

# A·BACHENGGIPA GADANGO SKIE RA·NA MAN·ANIRANG (Learning Outcomes)



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NCERT

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### **MESSAGE**

The Right of Children to Free and Compulsory Education Act (RTE), 2009 entitles every child in the age group of 6–14 years to quality education. Though there is a mention of Learning Outcomes in the RTE Act, it has not been properly defined. Keeping this in view, Learning Outcomes for Classes 1<sup>st</sup> to 8<sup>th</sup> have now been defined.

The document, *Learning Outcomes at the Elementary Stage* was developed by NCERT at the national level, with inputs from stakeholders at the state and district levels. Further, it was placed in the public domain for opinions and feedback. These inputs were considered before being incorporated in the document.

This document is meant for teachers, teacher-educators, educational administrators, as well as parents.

It aims to enhance the quality of learning in schools, by enabling teachers to ascertain learning skills more accurately and take corrective steps without delay and provide effective learning opportunities to all students including children with special needs.

This document has been developed in two sets, namely, the complete document which includes Curricular Expectations, Pedagogical Processes and Learning Outcomes for Classes 1<sup>st</sup> to 8<sup>th</sup> and the compact version with only the Learning Outcomes for each subject in each class. Based on the later, posters of the 'Compact Learning Outcomes' for display in school premises have been developed.

From the academic session 2017–2018, specific benchmarks related to learning levels of students from Classes 1<sup>st</sup> to 8<sup>th</sup> have now been included in the rules, and their implementation is mandatory. Based on the Learning Outcomes, National Achievement Survey (NAS) would be conducted in all classes at the elementary stage in all States/UTs. The learning gaps in various subject areas identified through these surveys would be addressed and appropriate interventions would be provided in consultation with SCERTs and officials of state education departments.

The learning outcomes for each class will not only help teachers to focus on teaching-learning, but also facilitate parents/guardians, community members and state functionaries in their role towards ensuring quality education in schools throughout the nation.

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**MESSAGE**

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The quality of education is a matter of global concern. In accordance with the Sustainable Goals at the global level, in India, the Right of Children to Free and Compulsory Education Act (RTE), 2009 was introduced that entitles every child in the age group of 6-14 years to quality education. In this context, the goals of education needed to be envisioned in a broader manner than merely the learning of subjects. The RTE Act would now include definitions of learning outcomes for Classes I to VIII.

The task of developing class-wise learning outcomes was entrusted to the NCERT by the Ministry of Human Resource and Development (MHRD), Govt. of India. The NCERT developed a document which includes learning outcomes in curricular areas at the elementary stage, in subjects such as Environmental Studies, Science, Mathematics, Social Sciences, Hindi, English and Urdu, linking these with the curricular expectations and also with the pedagogical processes.

In cognizance with the fact that a variety of learning situations/opportunities exist in India, in September 2016, both the documents (main and compact) were sent to all the States/UTs for their feedback. The feedback was analysed and suggestions were incorporated. In November 2016, a workshop was held in which representatives from various States/UTs (SSA officials, SCERT/SIE and DIET faculty) presented their views on the document. The NCERT faculty also had discussion with representatives of NGOs. Finally, it was uploaded on website for the public to provide their opinion and feedback, which were taken into cognizance before being incorporated in the document.

The document would be implemented from the 2017-18 academic session in all States and UTs, and would serve as a point of reference for conducting achievement surveys. The document aims to standardise the parameters for assessing the levels of learning of school students, and will thus be useful to teachers, parents and the entire system for improving the quality of learning in the elementary stage of school education. The NCERT at national level and SCERTs at state level will academically support all stakeholders in the proper implementation of learning outcomes.

I am sure that Learning Outcomes at the elementary stage will be instrumental in enhancing the quality of education in the country.

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New Delhi,  
6<sup>th</sup> April, 2017

## FOREWORD

Children enter school with their own learning experiences. The school undertakes the responsibility of building further learning on the child's existing experiences. Therefore, at no stage or class do we start from 'no learning', needs to be made aware about various pedagogies and also the progress in the child's learning. This is important for providing quality Education for All. This concern has been reflected in the Right of Children to Free and Compulsory Education (RTE) Act 2009; the Twelfth Five Year Plan of India; and the Sustainable Development Goals at the global level.

Quality improvement in education encompasses the all-round development of learners. The system of education, therefore, needs to ensure enabling conditions to allow each child to learn and progress. This requires a multi-pronged approach aiming at quality curriculum and its effective transaction in an enabling environment. The RTE Act 2009 emphasises Continuous and Comprehensive Evaluation (CCE) to help teachers to develop an understanding on the learning progression of individual children, identify the learning gaps and bridge them in time to facilitate their growth and development in a stress free environment. The NCERT has developed exemplar packages on CCE both at the primary and upper primary levels. These packages provide an understanding on CCE with suitable subject-wise examples on how to implement and use CCE during the teaching learning process. However, in the present scenario, besides students and teachers, parents, community members and educational administrators are also keen to know about the learning of students and thus, monitor the progress of learning of their wards. For this, they need and demand some criteria against which the extent of expected learning could be mapped or assessed. In view of the learning continuum, it is challenging to inform the system exactly what children have learnt, yet an effort has been made on the part of the NCERT to develop a document which includes learning outcomes in all the curricular areas at the elementary stage, linking these with the curriculum expectations and the pedagogical processes.

The expected learning outcomes have been developed class-wise (from classes I – VIII) for subjects such as Environmental Studies, Science, Mathematics, Social Sciences, Hindi, English and Urdu to help all stakeholders make their efforts; in the right direction to ensure learning among students, and help provide quality education. This will also help agencies at the district, state, national or global level to conduct various achievement surveys, and assess the health of the system to improve upon the policy directives. This has been shared with practising teachers, teacher educators and experts from the other institutions and NGOs. The suggestions have been suitably incorporated. The learning outcomes are not prescriptive and may be contextualised as per the local-specific requirement.

At the instance of Ministry of Human Resource Development (MHRD), Government of India, the NCERT undertook the task of developing class-wise learning outcomes. The document is a result of collective thinking of faculty members in different subject areas from the NCERT.

The Department of Elementary Education shouldered the responsibility of coordinating the collective work of different groups of faculty members. The efforts put in by all the contributing departments, divisions and cells from the NCERT are appreciated.

We welcome comments and suggestions to improve the quality and usability of this document.

New Delhi  
March 2017

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## PREAMBLE

### Ia Ge'ete Seaniko Maina On-a

Bilsi kolatchi skang , 'Education for All' (EFA) ba ' Skie Ra'ani Sakantinan' ine segipa ki-tapo skie ra'ani gadangko nambatatna krenganiko on-e seaha. Iako mongsongbate skul napananina, klass-o rakkirikanina aro chu-sokanina chanchibataha. Uana agreba uano, skie ra-enggiparangni man-na siggipa cholon bewalrang,skie ra'ani cholrang, skianio jakkalanirang/cholrang ,ki-tapni ning-ni bakrang, skulko chalaiani aro skie ra-anirangni giminba napchapataha. *Sarva Shiksha Abhiyan* (SSA), aro Right to Education (RTE) Act –ni ning-o, mongsongbate skie ra-aniko namdatatna jringnan cholrangko ra-gatenga. NCERT-ni tarigipa National Curriculum Framework aro uandake gipin mongsonggipa Sorkarini a-bachengatgipa kamrangoba skie ra-anio namdatatanina mongsongbate nisan on-bataha.

Uano bi-sarang sakanatian skie ra'ani a-bachenganiko skie ra-na nanga aro uamangni skie ra-aniko a-gilsakni songdongpagiparang gita jakkalna man-na nanga ine niksamsaniko on-aha. Iako dakna, rongtalgipa aro toachi u-ina mangipa nisanrangko dabia. Uni gimin, chu-gimik skia poraiani bidingko man-gopanio, ma-mongni/a-dokrangni skia porako maikai nambate dakna man-gen, skie on-enggiparangna, sason ka-enggiparang, niksame kam ka-enggiparang aro policy-rangko skia poraianina tarisamsoenggiparang baditana kingking rake kamko ka-engga, iani gimin u-iatna nanga. Adita porikka (Assessment Surveys National/ State level (NAS/SLAS) ra-e nianirangan iako dakanio a-bachengatgipa minga chol ong-a. Iana agreba, skulo aro songsaro donggipa manderangba skie ra-anio namdatataniko dakanio aditan jak dongpaa. Ru-utgija salrangna skang ong-katgipa Global Monitoring Report ( GMR) 2015 ni gita, bang-a silrorobaenggipa a-songrango, Indiako man-chape, bi-sa sakantina skia porako on-ani bidingo tang-doaniko nikna man-aha indiba, skie ra-aniko namdatatanide ra-biani ong-engkua. India, dingtang dingtang chu-sokaniko am-e nianirang jekai Annual Status of Education Report ( ASER)-ni am-e nikani gita, bang-a a-dokrangon, bi-sarangni a-bachenggipa skie ra'ani baksa chu-sokanio bang-en dingtanggrikanirang donga ine mesoka, jekon Klass III –ni National Achievement Survey (NAS) (MHRD,2014) oba mesokaha.

Joint Review Mission- rangni SSA ni gimin batanggimin bilsirango report on-anirango bi-sarangni skie man-anirangara, A-dokrang/UT rang krengbee somoi gita skiani- skie ra-anio nanga cholrangko on-oba, skigiparangko kraen watatoba aro jringjring nirok sandianirango dakgenchimoba , nangnika gadangona sokdoja ine mesokaha. Uano bi-sarangni poraina changani aro nomborrangko jakkale hisap ka-anirango komianganiko mesokbatataha jean da-ororo somoio mongsongbatgipa nina nanggipa ong-engga.

Iarangko gisiko done, skie ra-giminrangchi toe nie, mongsongbate sea jotani, hisap ka-ani aro janggi tanganina dingtang dingtang bilrangko u-ianichi skie ra'ani gadango namdapaniko dakna nangenga ine nikaha. Chi-gnigipa Bilsi Bongaprakna Tarisamsanio ( Twelfth Five Year Plan), mongsonggipa a-bachenge skie ra-anian primary gadangni miksonganiko aro porikka ra-jringaniko dake skie ra-anio namdatatanian dakna nanggni ong-a ine nikaha.

Ian GMR-2015 ni aro Sustainable Development Goal ni namnikpaani gitaba ong-a. Uni gimin, joltango, a-song gimiko aro gipin a-songrango skie on-anirango name dake nirok simsakania mongsonggipa ong-engga. Ia apsan somoion, bon-kambatgipa gadango dingtang dingtang iani bidingo kam ka-enggiparang jekai ma-a paarang aro songsarni manderang, uamangni chu-sokanina simsakatani u-ianiko on-gen aro uarangko kragipa gadangrango ra-gatanio ka-na miksonganiko on-gen.

Bang-bata somoion skigiparang maidakgipa skie ra-anirang nangchongmotgipa ong-a aro uarangko u-ina maikai porikka ra-na nanga uko ma-sirongja. Uamang textbook-rangko chu-gimik curriculum gita chanchia aro lesson-ni bon-kamao on-gipa sing-anirang aro daka rikanirango dakate, bi-sarangko porikka ra-a. Ki-tapo on-gipa dingtanggrikanirang aro skie on-anio ra-gatna nanggnirangna bang-e simsakaniko on-rongja, maina uarangko porikka ra-na mamung donsoani dongja. Skie ra-giminrang skigiparangna nangani kri skie on-na gita mesokaniko on-asan ong-aija indiba gipinrang jekai ma-a paarang/ nirok sandigiparang, School Management Committee (SMC)ni memborrang, songni manderang aro sorkario kam ka-giparangko gisik nange aro simsake uamangni kamtangtango ka-achi skie ra-anio namdatataniko ra-bachina didianiko on-a. Uni gimin, tik ka-gimin skie ra-giminrang, dingtang dingtang skie on-enggiparang aro skie ra-enggiparangna dingtang dingtang skie ra-na ka-dongsoani bakrangko name dilna aro gisik nange chu-sokatna dakchakaniko on-gen.



### Iako Maini Gimin Dingtangataha

The National Policy on Education 1986, jekon 1992 bilsio nipiltaiaha aro Programme of Action 1992-o Komibatgipa Skie Ra-ani Gadang ba Minimum Levels of Learning

(MLLs) –ko tarie donna nanga aro bi-sarangni skie ra-aniko, uamang NPE-ni donsoa nisan chong-motan ‘ pilak bi-sarangan jedakeba komibatgipa skie ra-ani gadangko man-enga’-ko chu-sokataniko dakenga ine u-ina gita , somoi gita porikka ra-na nanga.1992 bilsio Primary gadangni Klass ge-prakna aro subject ge-antina changa sapaniko nina tarigipa MLL bon-kamao skie man-atanina tarigipasa ong-bataia aro bi-sarangni chu-gimik skia man-aniko sandianinade chu-onga ong-ja. Iano, ja-pang ja-diloni dingtangbaani bilsio chikingmang ong-aha jeon, bi-sa an-tangarian skie ra-na u-ibagimin ong-e, chu-gimik skie ra-aniko dakanio, bi-sako jangchio done, skigipa skie on-anio deditimaigipasa ong-na nanga ine ra-baskaaha.Uni gimin, bi-sani u-ie man-baanirangara uamangni wilwilao donggiparango jensalo uamang sandirikita,ra-chaka, sandie man-a aro u-igiminoniko maiba namgnirango man-a, uarango skie ra-giminrangni a-selsa ong-a ine ra-chakbaaha.Uni ortode, da-ode skie ra-anionasa dingtangate ra-gatskaaha.Iano niksamsuania ma-sie ra-aani dontonggijagipa ong-a, chong-motan, gisik cholon bewalo ning-tubate sandiani, u-ianiko bariatano gisikni bilakatani,miksonganiko u-iani aro niksagaan gisiko chanchina aro nipiltaina changani ong-a. Right to Free aro Compulsory Education Act 2009, -o bi-sani man-na nanggni ine donsoani gita, bi-sani chu-gimik skia pora man-e dal-oroanian minganti policyko tarigiparangni mongsonggipa dakgni ong-enga. ‘Primary Gadango Komibatgipa Skie Ra-ani Gadang ‘ba’Minimum Levels of Learning at Primary Stage’ba iako janapa indiba uano be-enni bakrang( psychomotor) aro gisikni biding ( affective) rangko jakkalanio neng-nikanirang gnanng ine aganaha. Iani bidingo neng-nikani indake ong-a :gisikni bidingko tik ong-e porika ra-ani aro leka-penko jakkale porikka ra-aniara, nikna man-gijagipa aro kosakgilgil ning-tue chanchigija aro mikkang nie porika ra-anisan ong-an baksana uamangni chu-gimik chu-sokanina mamung miksonganiko on-anina chu-onggijani ong-a.Ia seani dingtangmanchagipa u-ianina man-dapanirango aro nanggipa cholrangko on-ani pal, uarango dal-oroanina tariani aro bi-sani cholon bewalko dingtangatni cholsan ong-a ine chanchie donaha. Ia chu-onggijanirango niani ja-manosa, gital dake chanchianirango ra-gatskae, dingtang dingtang skie ra-ani bakrangni gimin, skie ra-ani gadangrango ( Elementary Gadang KlassI-VIII ona) skie ra-na man-anirango nipiltaiaha.

### Ia Ge-ete Seanini Gimin Agandapani

Ia ki-tapo Klass I oni Klass V ona ge-anti klass-na tarisoanirango man-chapataha ( Mathematics, Environmental Studies, Hindi) . Ia ki-tap bi-sani skie ra-anio nangchappagipa jekai ma-a paarang, skigiparang , SMC-memborrang aro songni dilgiparang sakantinan ong-a.

Ia ki-tapni bakrangni gimin ka-mao talataniko on-atenga:

- Jakkaltogipa ong-na gita altugipa kattarangko jakkale seaha
- Skie ra-gni bak ge-antini ning-o, subject maidagipa bewalni ong-a uko talata, aro uni ning-o skie on-gni bakrangko skie ra-aniko man-na ka-dongsoanirang ( curricular expectations)rango donsoaha, jerangkon skie ra-enggipa bi-sarang adita somoirango man-na nanga aro uni giminan gadangni kri done tarisoaha.
- Klass ge-prakna tarisamsogipa skie ra-na man-anirang (learning outcomes) mingantian, dakna man-atgipa ong-a, jerangon bi-sarangni dal-oroanio,man-gope u-ina nanggnirango baditana kingking nama ba baita man-na kraa uko niroke,toa, porikka ra-anirango dakna donsoaha.
- Skigiparanga skie on-anio ma-sina gita aro skie on-gni bakrangko skie ra-aniko man-na ka-dongsoanirango chu-sokatna amna gita, skie on-ani cholrang ( pedagogical processes) ko skie ra-na man-ani ( learning outcomes) paksamsao mesoksoaha.

•Joltango donga bostu aro kragipa skie on-ani cholrangko aro tik ong-gipa skie on-anirango jakkale, skigiparang an-tangtangan tarie skie ra-ani bang-a cholrangko/obostarangko dingtang dingtang bi-sarangni nangnikani gita pilakon man-gope skina man-gipa klass-o ong-atna nanga.

• Skie on-ani cholrang mesokatanisan ong-aia aro paksogipa skie ra-na man-anirangna krae mingprakprakko mesoke on-anide ong-ja indiba uarango nigopna nanga.Skigiparang joltango altuae man-na amgipa bosturangko jakkale ba ra-gate an-tangtangan nangnikani gita tarie skina man-a.

• Pilak skie ra-na man-anirang,skie ra-gnirangni minganti bakrangon, bi-sarangni tik ong-gipa bilsina aro nangnikani kri tarianiko simsakbee donaha.



•Klass ge-prakni bakmangmangko niaigija nigope namdapatanina chanchie skie on-achi bi-sani chu-gimik dal-oroanina dakchakani ong-gen.

Sakanti bi-sarangko apsan napchimongate damsas skie on-aniara sakantina skie ra-na gita cholko man-atpaani ong-a.Sakanti bi-sani nangnikani gita apsan aro krae skie on-ani cholrangko on-genchimode,skie ra-na man-anirangara sakantinan apsan ong-aia. Special Educational Needs (SEN)ba dingtangmancha skie on-aniko nangnikani adita nangnikanirangni kri ong-katnaba gnang,be-en ba gisikni chu-sokpagijani a-selan mingsa nangnikanide ong-naba gnang.Uamangni nangani kri cholrangko on-na nanga jekai; re-a doanio dakchakani bosturang (chaka gnanggipa asongchakani ba wheel chair,pakkolo siksepe ga-chake re-na jakkalgipa sol-gimin bol,micron niggijagiparangni rama re.na jakkalgipa gol.dik ),nachil knaatna ganani ostro ba hearing aid, mikron nikbatatna ganani chosomarang,skianio dakchakna jakkalanirang jekai Taylor framerang aro abacus aro uamangni nangani kri skie on-ani bewalrangko dingtangate,bi-saskarangna uamangko dakchakpachina didianiko on-e,skie ra-anio bak ra-atpae uamangni nambatoroe skie ra-anina chanchina nanga. Dingtangmancha dakchakdapaniko nanggipa bi-sarangna skie ra-na man-na gita adita ka-mao dakna nangnirangko mesoke on-atenga:

### **Skie Ra-na Man-anirang: Dingtangmancha Dakchakdapaniko Nanggipa Bi-sarangna Skie On-anio Gisko Donna Nangnirang:**

- Chu-roke porikka ra-na amna gita somoirangko on-dapna aro nangnikani gita cholrangko on-ani
- Uamango dingtang dingtang neng-nikanirang dongani gimin chu-gimik skie ra-ani bakrangko dingtangate taridapani
- Dingtang dingtang skiani bakrangko ra-gate,dingtangate ba minggipin dake skie on-skana cholrangko donnani.
- Uamangni bilsa aro skie ra-ani gadangni kri lekka ki-taprang aro nangenggipa skie ra-ani cholrangko jaksoke man-ani
- Uamangni noko jakkalgipa ku-sik aro songsaro janggi tangani bewalrangko mande ra-na ba jegaljana ( jekai jatni dakrongbewal aro manironganirang)
- Krae klas-ko ka-dilani(jekai,bi-sarangni jikjakanirangko komiatani cholrang,nitatanirangko champengdilani aro uandake)
- ICT, video aro uandakgipa dingtang dingtang cholrangko jakkale skie on-ani

Subject ge-antiko skie ra-ani bakprakon maidake dakchakdapaniko nangenggipa bi-sarangna skie on-ani cholrangko ra-gatna nanga aro maidakgipa skie ra-na man-anirangko uamangoniko man-na ka-dongsogen uarang pilakkon mesoksomanaha.Skie ra-anio dakchakdapaniko nangnikenggipa bi-sa sakanitini neng-nikanirangko janapgiminrangni gimin simsake skie ra-na man-ani bak ge-antion skie on-anina chanchina nanga.Apale chanchibewalna man-gigjagipa aro chanchianio bilgrigipa bi-sarangni chu-sokanina dingtangmancha skie ra-na man-anirangko,nanga ong-ode, altue dingtangatna miksonge donna nanga.





## Hisab Ka-anio Skia Man-anirang

### A-bachenggipa Gadang

#### Talatchengani

Bang-a bilsirangonin State-rang/Union Territory-rang skia man-ani gadangko ra-dona jotton ka-beoba, bi-sarangni dingtang dingtang subjectrangko mongsongbate Hisab Ka Hisab Ka-aniko man-chape aniko man-e ra-anirang ka-dongsoani gita ong-jaenga ine Educational Survey-rango aro chimonggimin data-rango mesoka. Beben, bang-a somoirangon skigiparang ki-taponiko skie ra-gni bakrangko matchote skia, indiba dingtang dingtang subject-rangko Hisab Ka-aniko man-chape, maidake bi-sarang skie ra-a uarangko name ma-sija.

‘Skie ra-gni bakrangko man-na ka-dongsoanirang’-o,(curricular expectations) bi-sa maiko ma-sie ra-na nanga aro donsogimin somoio man-e ra-gnirangko name man-e ra-na aro chanchie ka-na nanganirangko talata. Skie ra-gni bakrangko man-na ka-dongsoanioniko skie ra-giminrangko bikota aro poraigni bakrang skie ra-giparangko, skigiparangko aro education departmentni gipin gadangrango kam ka-giparangko, miksonge donsogipaona man-e ra-gnirangko ma-sina dakchaka. Skie ra-gimirangko mongsongbate tik ong-gipa porika ra-e niani ba porika ra-e nina donsoani gadang dake ra-a.

Skie ra-anio bon-kame man-gipako bikote mesokaniara (poraiataniara) ma-sigija mikosto ka-mangmanganionasa sokataia. Indioba, hisab ka-aniko skie ra-anio, bon-kame man-gipako bikote mesokaniara, chong-motgipa ong-aniko aro algorithm-ko ma-sigija jakkalaniko gisik ra-na draata Unikoa, uan salantini janggi tangao, hisab ka-ani budirangko jakkalanio aro an.tangtangna ra-gatanio bi-sarangko chologijagipa (handicap) ong-ata. Samtangtango donggiparangni gimin skie ra-ani bakrang aro hisab ka-aniko ra-dimaha. Hisab ka-ani gimin skie on-engmitingo, skigiparang bi-sarangna skie ra-ani cholrangko on-na nanga, jedakode uamang an-tangtangni samtangtango donggiparangni gimin (an-tangni, noktangni,skulni aro uandakgiparangni) sandie nina aro nangrimatna man-gen. Skie on-ani cholrangoba iarangni gimin toe mesoka.

Skie ra-aniara bon.changgipa ong-ja. Skia man-giminrangara, skie ra-anichi/skie on-anichi poraigiparangko dingtangata aro indake bi-sarangni change sape ra-aniko bariata. Hisab ka-aniko jakkalaniera , skie ra-enggiparangko hisab ka-aniko skie man-giminko agangrikna, jakkalna, sandie nina aroba ui-e ra-na chol ong-a ine ma-sina ka-dongchaka. Uni gimin ia segimin lekkao Klas I oni VIII ona hisab ka-aniko skia man-giminrangko aroba skie on-ani cholrangkoba sulsul sea, jerangkon skie ra-na miksongoe donsogiminrangko man-atna gita ra-gate jakkalna man-gen. Ia skie on-ani cholrangara bang-dugagipa ong-ja; uarangara jakkalna didiani gita ong-bata, aro skie ra-enggiparangni nangnikani kri pangchake dingtangnaba donga. Gital gital budirangko bikote jakkalna changgipa aro daka-ka-anio changbegipa skigipa, iarangko jakkalachi, skie ra-na nanggnirangko man-atna aro bang-bata dingtang dingtang skie on-ani cholrangko jakkaldapna man-naba gnang.

#### Skie ra-gni bakrangko man-na ka-dongsoanirang ( Curricular Expectations)

Bi-sarangko iarangko man-e ra-atna ka-dongsoa:

- Salantini janggi tangao pangchakgipa obostarango aro hisab ka-ao chanchiani bidingo nangrimgrikaniko namdapatna
- Dingtang dingtang bimangrangko ma-sina aro uarangni nikna man-gipa gunrangni apsangrikanirangko aro dingtanggrikanirangko rongtale talatna (articulate)
- Salantini janggi tangao nomborrango jakkalani niamrangko (chandima, changala, chantaitaia, suala) ka-ani cholko an-tang tarina.

- Nomborrangko ka·ani tik ong·gipa algorithm-ko jakkale, ku·sikko aro chinrangko u·ianiko skie ra·na
- Minggni ba una batgipa nomborrangko ka·e man·aniko hisab ka·na aro uko salantini janggi tangao daka-ka·anirango jakkalna.
- Chu·gimikni bakko pe·raronani gita mesokna aro ramranggipa pe·raronanirangko ka·na skie ra·na
- An·tangtango pangchakgipa obostaragoniko ramranggipa data-ko chimongna, dake mesokna aro talate aganna aro uko salantini janggi tangao jakkalna.
- Bimangrangni aro nomborrangni ramranggipa bimangko (pattern) talate mesokna aro taridapna
- Bimango ong·taitaiani bakko aganna aro uarangni bariroroaniko bikotna budi man·na
- Bimangrang, jaksimachi su·dapgimin bimang, bolbijakchi su·dapgimin bimang aro nomborarang aro uandakgiparangchi ong·atgipa pattern-rangko taridapna
- Manderangoniko u·ianirango chimongna, see rakkina aro unoniko bikote adita chanchianiko dakna



## Klass-I ( Mathematics)

Skie On·ani Cholrang	Skie Ra·giminrang
<p><b>Skie ra·enggiparangna saksan/sakgni gni/dolprak prak dake skie ra·na cholrangko on·na nanga aro ka·mao mesokatenggiparangko didina nanga:</b></p> <ul style="list-style-type: none"> <li>➤ Dingtang dingtang klassni a.palo ba ning.o ong.enga obostarangko samtangtanganiko nie ra.na.Uamang ku.sikko jakkale, kosak-ka.ma, ning.o-a.palo, kokkimaosakosako,sepang-chel.a,skang-ja.man, ba.a-ritchaa, dal.a-chona aro uandake minganirangko didina</li> <li>➤ sepanggipa- chel.gipa,changrogipakan.dikgipa, ritthagipa- ba.gipa bosturangko sandina aro salna</li> <li>➤ Dangtapna rim·na man·gipa bosturangko aro modelrangko jakkalna aro uarangko bak dakna. Bim.romgipa bosturang jekai pita, robol uarangko bak dakna aro bim.romgijagipa bosturang jekai pencilni bakos</li> <li>➤ On·sogimin bakosoni bosturangko ra·ongkate 1 oni 9 ona channa , jekai, bijak jak 8/ripok rong4/ice- cream go.ol ge.6 aro uandake.</li> <li>➤ Donbringimin bosturantoniko ming 20 bosturangko ra.ongkatna</li> <li>➤ Tok gni dake dongipa bosturangko mingprak mingprak dake nianichi ,kattarang jekai na bata,na komia ba apsangrik inako jakkala.jekai 10 ,8 na bate dal·bata aro 7,5na bate komibata</li> <li>➤ Dingtang dingtang cholrangko jakkale, nombor ming 9 ona joljol channa aro u.igimin chandimani niamrangko jakkalna</li> <li>➤ Dingtang dingtang cholrangko jakkale, nombor 9 ona kingking, donbringimin bosturantoniko bikote chantaipil.e changalna</li> <li>➤ dingtang dingtang niamrangko jakkale, aggregateko,sandiani,joljol chanani, chandimani niamrangko jakkale, nombor 20 ona kingking chandime nina ( 20 na batgija)</li> <li>➤ dingtang dingtang niamrangko jakkale, noksarang ba bosturangko</li> </ul>	<p><b>Skie ra·enggipa:</b></p> <ul style="list-style-type: none"> <li>• Nombor 1 oni 20 ona chananiko skie ra.a</li> <li>• Bimang, dal.a ba chona aro gipin gunrangko nike ma.siani jekai romromaigipa/joksrongaigipani kri, niroke, bosturangko tok daka.</li> <li>• nombor rangko dangtape niachi, noksarangchi aro chinrangchi 20 ona minga aro chananiko daka</li> <li>• 1 oni 9 ona nomborrangko jakkale, bosturangko chana</li> <li>• 20 ona nomborrangko tosusaa. Jekai; klaso me·chik bi·sarang bang·batama me·a bi·sarang bang·bata</li> <li>• <b>salantio janggi tanganio 1 oni 20 ona nomborrangko jakkale chandima aro changalaniko jakkala</b></li> <li>• dangtapna rim·na man·gipa bosturangko jakkale, 9 ona kingking chandimaniko daka. Jekai; 3+3 ni chandimaniko u·ina , 3 oni ja·ku 3 mikkangchi ga·e, 3+3 =6 ong·a ine ma·sie ra·a</li> <li>• 1 oni 9 ona nomborrangko jakkale, changalaniko daka. Jekai; bi·sa ming 9 donbringimin bosturantoniko ming 3 bosturangko ra.ongkata aro dongrikkugipa bosturangko chane, 9-3= 6 ine ma·sie ra·a</li> <li>• chandima aro changalako nombor 9 ona jakkale salantini janggi tanganio neng·nikanirangko namata</li> <li>• <b>Nomborrangko 99 ona kingking ma.sia aro uarangko sea</b></li> <li>• <b>dotgimikgipa bimang/ bosturangko an.tang kattatangchi talate on.a. Jekai; robol romroma, bakos salruraa aro uandake</b></li> <li>• <b>apsangijagipa toanirang jekai jaksi, kru,mik aro ja.kurangko jakkale, hisap ka.a aro kan.dikgipa toanirangko toa</b></li> <li>• <b>Nomborrang aro bimangrangko nia, ro.dapata aro bikotdapa Jekai; bosturangko/ bimangrangko/ nomborrangko apsangrik dake dona, jekai;</b></li> </ul> <div style="text-align: center;">  </div> <ul style="list-style-type: none"> <li>• 1,2,3,4,5.....</li> </ul>



<p>ra.e changalna</p> <ul style="list-style-type: none"> <li>➤ chikingrang aro sarang 20 na batgipa nomborrangko tok dake channa jekai; 38 –o chikingni tokrang/katomrang ge.3 aro ge.8 sarang</li> <li>➤ apsangipa aro dingtanggrikigipa bosturangko dangtape ba niari tok dake donna</li> <li>➤ bimangrangni gunrangko/dingtang ba melianiko nigrike /dotgimikrangko tok dakani/bimangrangko ku.sikchi talatna</li> <li>➤ tangka bebe ong-gijagipa Rs 20 ona chape mesokna</li> <li>➤ uamangni samtangtanganiko apsan ong-gijagipa toanirang jekai, jaksi, kru, ba mik aro ja-kurangko jakkale kan-dikgipa bimangrangni ro-ani/chel-aniko sandina</li> <li>➤ klas-o nikenggipa bosturangni bimangrangni bidingo agangrikanirangko dake uamangko an-tangtangni u-ia gita talatanirangko dakatna. Bi-sarnng an.tangtangan sandie, ja-mano mai ong-bagen name talate on-china</li> <li>➤ adita ming bosturangko nikaoniko/obostaranganiko u-ie ra-na aro uarangni gimin chimmongna.</li> </ul>	<ul style="list-style-type: none"> <li>• 1,3,5.....</li> <li>• 2,4,6,.....</li> <li>• 1,2,3,1,2...,1...,3.....</li> <li>• <b>noksarangko ( noksarang /ongkorang) nie, dondime, altue ma.sie ra.e, uarangni gimin talataniko on.a. ( Jekai; Bagan damsaoniko bi.sa dingtang dingtang pulrangko nia aro badiaba rongni pulrangan bang.bata)</b></li> <li>➤ <b>zeroni gimin skie ra.a</b></li> </ul>
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
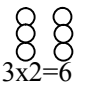

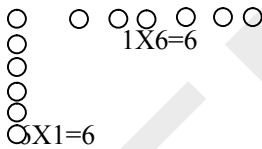
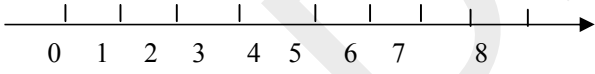
## Klas-II ( Mathematics)

Skie On·ani Cholrang	Skie Ra·giminrang
<p><b>Skie ra·enggiparangna saksan/sakgni gni/dolprak prak dake skie ra·na cholrangko on·na nanga aro ka·mao mesokatenggiparangko didina nanga:</b></p> <ul style="list-style-type: none"> <li>➤ Nombor-rangko tok dakengmitingo aro ma·sina joton ka·engmitingo uarangko tik biapo donna ma·sina</li> <li>➤ 99 – ona ong·gipa nombor-rangko jakkale ge.2 rasirangko, 9 ona kingking jakkale chandimaniko dakna</li> <li>➤ Nombor-rangko dintang dintang dakgipa cholrangko jakkale chandimna aro changalna</li> <li>➤ Basako aro bano nombor-rangko jakkale chandimna aro changalna nanga cholrangko am·na, jekai; tok ge·gnirangko dondimna , minggni ba una bata bosturangko chandime tokrangko apalbatatna</li> <li>➤ Chandimani/changalanio an·tangtangna ong·a obostarangko pangchake jakkalna</li> <li>➤ Nombor-rangko changni chang chandimna amna gita obostarangko/cholrangko tarina</li> <li>➤ Mitap 3 dake nikatna amgipa bosturangko uarangni mitaprangko am·e nie uarang baksa nangchapegipa mitap 2 ni bimungrangko minge mesokna</li> <li>➤ Lekkarangko tem·e/rate uarangni dintang dintang bimangrangni kri bimungrangko minge tok dake donna nie ra·e/dangtapaniko jakkale dintang dintang bimangrangko aro uarangni ong·baanirangko talatna</li> <li>➤ tangka bebe ong·gijagipa dintang dintang tangkani notrangko ra·e uarangko gong 100 ona chandimna</li> <li>➤ chel·aniko/ ro·aniko tona dintang dintang tomanchaani cholrangko ra·gija toe nina</li> <li>➤ jrianiko toanirangni gimin skie ra·aniko dakengmitingo, bi·sarangna ong·a obostarangni gimin agangrikna</li> <li>➤ an·tangtangan toanirangko tarie, uamangni wilwilao donggipa bosturangko toe u·ina</li> <li>➤ ge·gni ba una batgipa donchakanirango badita chaka uarangko tosusana</li> <li>➤ antini sal /dintangmanchagipa sal, jensalo uamang nokdangni manderang baksa nokni kamrangni gimin maikai somoiko re·atrima uarangni gimin</li> </ul>	<p>Skie ra·enggipa:</p> <ul style="list-style-type: none"> <li>• ge.2 rasirangko jakkala</li> <li>- 99-ona kingking nombor-rangko poraia aro sena man·a</li> <li>- ge.2 nombor-rangko tosusae tik ong·gipa biapo sena u·ia</li> <li>- dal·batgipa aro chonbatgipa ge.2 rasiko sena u·ia ( on·gimin aro on·kugijagipa rasirangko)</li> <li>- ge.2 rasini nombor-rangko jakkale, salantio chagrongenggipa ka·na nanggnirang/obostarangko chandime ka·na man·a</li> <li>- ge.2 rasini nombor-rangko jakkale, salantio chagrongenggipa ka·na nanggnirang/obostarangko changale ka·na man·a</li> <li>- king 3-4 ( apsangipa/dintanggipa) notrang aro tangka bisilrangko gong 100-ona channa man·a</li> <li>• mitap 3 (3D) aro mitap 2 (2D) gnanggipa bimangrangni gimin niari talatna man·a</li> <li>- mitap 3 gnanggipa bimang jekai cuboid,cylinder,cone aro sphere – rangko nie bimungrangko mingna man·a</li> <li>- mitap 3 gnanggipa bimangrangni kosako dondape mitap 2 –ni bimangko saldapna man·a</li> <li>- mitap 2 gnanggipa bimangrang ( rectangle,square,triangle, circle) ko bimung minge aganna man·a</li> <li>• <b>sronggipa aro gonggegipa ritingrangko dingtangatna u·ia</b></li> <li>• <b>sronggipa ritingrangko ( kosakoni tongtong,tujole,gitchingkale) salna u·ia</b></li> <li>• hisapchenge aro badita ro·a/chel·ako nichenge aro donchakanio badita chakgen uko nie, apsangrikgipa tochakani jekai go·ol/pencil/cup/chamos/ balti aro uandakgipa bosturangko jakkale toaniko dakna u·ia</li> <li>• ramram pala ba tochakanirangko jakkale badita jria/ cheng·a bosturangko tosusana u·ia</li> <li>• bilsini jarangko aro antini salrangko mingna u·ia</li> <li>• somoirang/salrang bakroa bakrojani kri sulsul obostarangko donna u·ia, jekai; bi·sa nokona bate, skulon somoiko bakrobate re·ata</li> <li>• ‘ Teng·meni noko gari jakkalanina bate Teng·salni nokon bang·bate garirangko</li> </ul>

<p>agangrikna</p> <ul style="list-style-type: none"> <li>➤ ong·atgimin bimangni changni chang ong·aniko aganna aro uaranko apalatani gimin sandie nina</li> <li>➤ dingtang dingtang bimangrang jekai jaksi dondape tapani, bijakko dondape tapani aro nombor segiminrangko tapanirangko jakkale bimangrangko apalatna</li> <li>➤ wilwilao donggipa manderangoniko ong·a obostarangni gimin chimonge, uaranko see rakkie, uaragoniko maikai ong·a uaranko ma·sie ra·na</li> </ul>	<p>jakkalbata' ine chimmonggimin data-oniko nie mesokna man·a</p> <ul style="list-style-type: none"> <li>• tangka not ba bisil gong 100-ona gamchatani badita gnang uko nie u·ia aro chandimna aro changalna u·ia.</li> </ul>
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**Klas-III ( Mathematics)**

Skie On·ani Cholrang	Skie Ra·giminrang
<p><b>Skie ra·enggiparangna saksan/sakgni gni/dolprak prak dake skie ra·na cholrangko on·na nanga aro ka·mao mesokatenggiparangko didina nanga:</b></p> <ul style="list-style-type: none"> <li>• 100, 10 aro sarang dake tok dake, dal·gipa nomborko samtangtango donggipa bosturangoniko channa.</li> <li>• nomborko (999 ona) sena aro dol gipin uko channa.</li> <li>• nombor ge·antini biapni gamchatani (place value) ko jakkale rasi damgittam donggipa dal·batsranggipa/chonbatsranggipa nombor-rangko sena. (apsan rasirangko setaina ba setaijanaba man·a)</li> <li>• dangtapna rim·na man·gipa bosturangko tarina aro dingtang dingtang dake chantaitaianiko dakna/on·sogimin nomborko dondime tarina. Jekai te·gatchu rong 6 ko indake tarina man·a.</li> </ul> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>1x6=6</p> </div> <div style="text-align: center;">  <p>3x2=6</p> </div> <div style="text-align: center;">  <p>1x6=6</p> </div> <div style="text-align: center;">  <p>6x1=6</p> </div> </div> <ul style="list-style-type: none"> <li>• 2,3,4,5 aro 10 ko jakkale dingtang dingtang dake chantaitaianiko tarina, jedake..... - Watchange chanani.</li> </ul> <p>A·bachenggipa</p> <div style="text-align: center;">  </div> <p>_ aro chandimroroaniko jakkale seani.</p> <ul style="list-style-type: none"> <li>• an·tangtangni u·iagita, hisab ka·ani niamo pangchake apsangrik سوالاني aro dol dake سوالاني ma·sie ra·na. Jekai bi·sarangna lemjusrangko apsangrik سوالاني.</li> <li>• samtangtango man·a amgipa mitap gittam gnanggipa bimangrangko (3D) nie ra·na aro uarangni mitapgnigipa bimangrang (2D) baksa apsan ong·anganiko aro dingtanggrikaniko u·ina agangrikna. Rakgipa lekkaoniko triangle, square, circle dakgipa bimangrangko ratna.</li> <li>• lekkako tem·e ba rate mitap gnigipa bimangrangko (2D) tarina.</li> <li>• mitap gni dongaigipa bimangrangni (2D) gunrangko kattatangchi ba ku·siktangchi talatna,</li> </ul>	<p><b>Skie ra·enggipa:</b></p> <ul style="list-style-type: none"> <li>• <b>Rasi ge·gittam donggipa nomborrangko ka·a</b> <ul style="list-style-type: none"> <li>- nombor ge·antini biapni gamchatani (place value) kri jakkale nombor-rangko 999 ona chana aro sea.</li> <li>- nomborni dongani biapni kri gamchatanio pangchake uarangni gamchataniko 999 ona tosusaa.</li> <li>- 999-na batgijagipa nomborrangko tok daktaie ba daktaigija, rasi ge·gittam donggipa nomborrangko chandimachi aro changalanichi ramranggipa salantio chagrongenggipa neng·nikanirangko namata.</li> <li>- salsalantini obostani hisabrangko ka·na 2,3,4,5 aro 10ni namotarangko sea aro jakkala.</li> <li>- salsalantini obostani kri tik ong·gipa nomborko (number operation) jakkalanio pangchake nipile nia aro ra·gate jakkala.</li> <li>- apsan dake tok dakachi ba bak ra·rone tikatanichi aro changaltaitaie سوالاني niamrangni ortoko ma·talata. Mesokna gita, 12÷3, ia سوالاني 12 ong·atna 3 ko badita chang jakkalna nanga talatna man·a aro 12 oniko 4 ko chang 3 changaltaitaia ine nika.</li> </ul> </li> <li>• tok daktaie ba daktaigija bang·gija tangkako chandima aro changala.</li> <li>• bostuni damko see donggipa tebilko aro ramranggipa bill-rangko taria.</li> <li>• <b>mitap gni dongaigipa bimangrangni (2D) gimin ma·sie ra·a.</b> <ul style="list-style-type: none"> <li>- sronggipa ritingrang aro uandakgiparangko jakkale su·tota gnanggipa grid-o lekkako tem·e ba rate, mitap gni dongaigipa bimangrangko ma·sia aro taria.</li> <li>- mitap gni dongaigipa bimangrangko badita ge sambengrang, noksikrang aro noksik ge·gniko nangdimatgimin ritingrang(diagonal) donga talata. Mesokna gita, ki·tapni bikapni bimango ge 4 sambengrang, ge 4 noksikrang aro noksik ge·gniko nangdimate saltonggipa riting ge·gni donga.</li> <li>- on·sogimin bimangni bakko pil·engrangko (tiles) jakkale watchanggija gapata.</li> </ul> </li> </ul>



jekai, bimango badita ge noksikrang aro rikkingrang gnang aro una agreba gipin bakrangko talatna.

- samtangtango donggiparangni dingtang dingtang bimangrangko uamangni nie ra-anio - a-pao, ramao aro uandake gipinrang, gimik bimangrangan apsan ong-ja ine mesoke agangrikna.
- bosturangko pale ba bree, maiba bostuko tangka dake kal-anio, jeon chandimani aro changalaniko bang-en jakkalna nanga, paltimgipa aro bretimgipa dake kal-na.
- uamangni samtangtango donggipa bosturangko skel (scale), toani budu (tape)ko jakkale tona. Skie ra-enggipa bi-sarangko skanggipa ro-aniko chanchichipe nichengchina aro ja-mano uko a-sol toanichi tochina didina.
- tik ong-gijagipa toanirang jekai chonchongipa rong-terang, bostuni katomrang aro uandakgipa bosturangni jrimako tosusana aro sandina ramranggipa palarangko(balance) jakkalna.
- dingtang dingtang ra-chakanirangni chakaniko toa aro indake dakanio uamangni u-ie ra-giminrang ma-talatna, jekai baltin te-sako gapatna badita jok (jug) chiko nanga aro jok te-sako gapatna badita glas chiko nanga sandiani.
- agangrikachi/golpo aganachi somoi aro kalendar (calendar) ni gimin kattako jakkalna.
- Gori aro kalendarko nina jotton ka-na.
- Geometryni aro nombor-rangni/ bimangrangko nie ra-na aro uarangni gimin agangrikna (Dolprakan dakmesoke talataniko klas gimikni mikkango dakatna nanga.)
- an-tangtangni u-ia gita data-ko chimongna aro see rakkina aro noksarangchi mesoke talatna. Mesokna gita, skulni barioni dingtang dingtang rongrangni bibalrang aro klas-o badita sak me-a bi-sarang aro me-chik bi-sarsang donga.
- Megejinrang(magazines) aro songbadrangoniko pe-e talatna, jekon klas kuturio tape mesokna man-a.

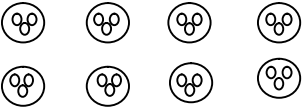
• **tik ong-gipa toanirang (standard units) jekai centimeter-rang ba metre-rangko jakkale bakroaniko aro chel-grikanirangko ma-sia aro toa aro uarangni nangrimgrikaniko mesoka.**

- tik ong-gipa toanirang jekai, gram aro kilogramrangko jakkale palao (balance) toa.
- tik ong-gijagipa toanirangko tona dingtang dingtang ra-chakanirangni chakaniko tosusaa.
- salsalantini obostao jakkalgnirangko tona gram aro kilogramrangko jakkale chandima aro changala.
- kalendarni sal aro tarikko ma-sia
- pakmani goriko/jako ganggipa goriko jakkale kontakto nina tik ong-e somoiko chana.
- ramranggipa bimangrang aro nombor-rangni noksarangko taria.
- Data-rangko jakkalna ma-sia
- tally markrangko jakkale data-ko see rakkia, noksachi mesoke talata aro bon-kamgipa chanchianiona ra-baa.



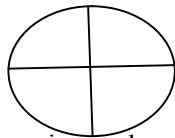


## Klass-IV ( Mathematics)

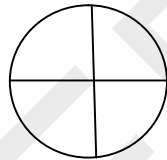
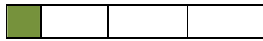
Skie On·ani Cholrang	Skie Ra·giminrang																					
<p><b>Skie ra·enggiparagna saksan/sakgni gni/dolprak prak dake skie ra·na cholrangko on·na nanga aro ka·mao mesokatenggiparango didina nanga:</b></p> <ul style="list-style-type: none"> <li>chantaitaiani niamrangko jekai, watchange chanani, hisab ka·na on·sogiminni bimango ka·rikrikani aro uandakgipa gipin ka·anirangko dingtang dingtang cholrangchi sandie ka·na aro sena. Jekai, ka·mao mesokani bimang gita 3 ni namotako tarina, bi·sarang watchange chananiko ba chandimrikrikaniko jakkalna man·na.</li> </ul> <table border="1" style="margin: 10px auto; border-collapse: collapse; text-align: center;"> <tr><td>1</td><td>2</td><td>3</td></tr> <tr><td>4</td><td>5</td><td>6</td></tr> <tr><td>7</td><td>8</td><td>9</td></tr> <tr><td>10</td><td>11</td><td>12</td></tr> <tr><td>-</td><td>-</td><td>-</td></tr> <tr><td>-</td><td>-</td><td>-</td></tr> <tr><td>-</td><td>-</td><td>-</td></tr> </table> <ul style="list-style-type: none"> <li>rasi ge·gni donggipa nomborko apalbatata aro chantaitaia. Jekai, ka·mao mesoka gita 23 ko 6 chi chantaitaie ka·na man·a:   <math>23 \times 6 = (20+3) \times 6 = 20 \times 6 + 3 \times 6</math>  <math>120 + 18 = 138</math></li> <li>chantaitaianiko jakkale salantini janggi tangao neng·nikanirangko, namatna ka·a aro taria, jedake pen ge·sani dam tangka gong 35 ong·ode, pen ge 7 ni dam badita ong·gen?</li> <li>chantaitaianina kragipa algorithmko aganchanchigrika aro taritaia</li> <li>sualani tokrangko daka, jekai <math>24 \div 3</math> ni ortoara</li> </ul> <div style="text-align: center; margin: 10px 0;">  </div> <p>jean 24, o 3 ni tokrang badita dongna man·a ba 3 badita chang 24 ong·a sandie niani.</p> <ul style="list-style-type: none"> <li>hisab ka·aniko janapanio pangchakgipa sing·anirangko taria, jekai ia janapani <math>25 - 10 = 15</math> ko dingtang dingtang skie ra·enggiparang dingtang dingtang dake sing·naba donga. Jekai, skie ra·enggipa saksa “Ango apple bite rong 25 dongachim. Uanoniko rong chikkungko</li> </ul>	1	2	3	4	5	6	7	8	9	10	11	12	-	-	-	-	-	-	-	-	-	<p><b>Skie ra·enggipa:</b></p> <ul style="list-style-type: none"> <li>salantio janggi tanganio nombor-rangko ka·ani niamrangko jakkala. <ul style="list-style-type: none"> <li>rasi ge 2 aro ge 3 donggipa nombor-rangko chantaitaia.</li> <li>dingtang dingtang ka·ani cholrangko jakkale, jekai <ul style="list-style-type: none"> <li>noksa mesokanichi, (su·totarangko salachi),</li> <li>apsan ong·e tok dakachi</li> <li>changaloroachi</li> <li>sualani aro chantaitaiani gisepo nangrimgrikaniko jakkalanichi</li> <li>hisab ka·ani mingbri niamrangko jakkale, ramramgipa ong·chongmotgipa janggi tangani obostarang ba ka·na nangnirango nangegipa bakrangko taria aro ka·a jean tangka jakkalani, ro·aniko, jrimaniko aro chakaniko toanirangko man·chapa.</li> </ul> </li> </ul> </li> <li>pe·raronanirangko ka·a <ul style="list-style-type: none"> <li>on·gimin noksani chu·gimikoni bakgnini baksako ba adhako bakbrini bak sako, bakbrini bakgittamko (lekkarangko tem·achi) aro bosturangko chimongachi mesoke agana</li> <li>chinrangko <math>\frac{1}{2}</math>, <math>\frac{1}{4}</math>, <math>\frac{3}{4}</math> aro channaniko jakkale pe·raronanirangni bakgnini-baksa ba ata, bakbrini-baksa, bakbrini-bakgittamko mesoke talata.</li> <li>pe·raronani ge·sa ge·gipin pe·raronanirang baksa apsan ong·aniko mesoka.</li> <li>an·tangni samtangtango donggipa bimangrangni gimin ma·sie ra·a. <ul style="list-style-type: none"> <li>circleni bijangchi, radius aro diameterko agane on·a.</li> <li>nokking ba a·pako pindapna gita (tiling) jakkalgipa bimangrangko sandie nika.</li> <li>on·gimin cuboid net rangko jakkale cube aro cuboidrangko taria.</li> <li>teng·chakanichi ong·atgipa bimangni apsan ong·aniko u·iatna, lekka tem·anichi, lekka ratachi, kalini rongrangko nongachi aro gipin uandakgiparangchi mesoka.</li> <li>Ramramgipa bosturangko kosak gita, mikkangchipak gita aro sambeng gita nikate sala.</li> </ul> </li> </ul> </li> </ul>
1	2	3																				
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cha-ahaode da-o badita rong apple-rang dongkugen?

- dol dake jinma daka-ka-anichi on-sogimin ka-anirango nangegipa ka-gniko tarina, jedake klas gimikni bi-sarangko dolgni dake suale pe-rarongipa nombor-rangko, jeon adha (half), bakbrini bak-sa, bakbrini-bakgittamrangko agan-chanchigrikna aro salantini janggi tangani baksa meliatna.
- noksarango/lekka tem-anio nangegipa daka-ka-anirangchi pe-rarongipa nombor-rangko mesokna Mesokna gita-noksani adhako gisimatbo.



ka-mao on-gipa noksarangoni badia gisimatgipa bak bakbrini-baksako  $\frac{1}{4}$  mesokja?



- dingtang dingtang bakrogipa radiusko ra-e compassrangchi circleko salna aro bimangni dingtang dingtang noksarangko sandie nina.
- uamangni nokrangno/ramarango/bang-a dal-dalgipa nokrangni a-parango tarigimin pil-engrangchi (dingtang dingtang bimangrangni) andapaniko nkgipa nie ra-aniko agan-chanchigrikna.
- uamang an-tangtangni pil-engrangko tarina aro uamangni tarigimin pil-engrangara name pindapama pindapja nina.
- klas dringni dingtang dingtang bosturangko dingtang dingtang dake nie, nkgimin bimangrangko salna. Mesokna gita, glassko mikkangchipakni niode dingtange niknaba donga. Sing-anirang jekai- "Kosakchipakni niatode ua glassko maidake nikgen?" ba "Ka-machipakni niatode uko maidake nikgen?" indakgipa sing-anirangko sing-na man-na.
- tangkako naia paisaona pe-na: jekai tangga gong 20 ko naia paisa 50 chi bodolode

- Ramrangipa geometryni bimangrang (jekae triangle, rectangle, square) ni area (apalani) aro perimeter (duule toani dal-ani) aro ge-sa on-gimin bimango badita ong-a sandie nika. Mesokna gita, tebil ge-sako badita king ki-taprangchi gipe pindapna man-gen.
- Metreko centimetre-ona aro uandake centimeter-ko metre-ona pe-skaa.
- Bostuni ro-ako, damgni biaprangni chel-grikako, dingtang dingtang bosturangni jrimako, jingjonggipa bostuni bang-aniko aro uandakgipa gipinrangko hisab ka-a aro uarangko asol toanichi toe nia.
- Salantini janggi tangani obostarango ka-na nangni jekae ro-ani, chel-grikani, jrimani, chakani aro somoi jean hisab ka-ani mingbri niamrangno nangchapgipa (man-chapgipa) (involving) ka-anirangko ka-a.
- Gorini somoiko nie konta aro minitrangko poraia aro somoiko pringchipak aro attamchipak ine paraka.
- Konta 24, o konta 12 ni bakko nangrimata.
- Somoini gisepgrikrangko/ janggi tangao ong-ronggipa ong-anirangni bakroaniko chandoe ba channone/ chandima aro changalako hisab ka-a.
- Chantaitaiani aro سوالانیکو seani bimang (pattern) ko aganna man-a (9 chi chantaitaiaona kingking)



<p>badita ge paisa bisilrangko man·gen.</p> <ul style="list-style-type: none"> <li>• bill-rangko tarina jedakode chatro-chatrirang bill-rangko tarianio chandima/changala/chantaitaia/sualani mingbri niamrangko jakkalna man·gen.</li> <li>• bostu mingsani ro·ani/ biaprangni chel·grikanirangko chanchichipe hisabna aro ja·mano tomanchae uarangni dingtanggrikaniko nina. Mesokna gita, uamangni palangni roani ba skul cholgugaoni klas dringona chel·aniko chanchichipe nina aro uni ja·mano uarangko tomanchae nina.</li> <li>• pala ge·sako tarie, tarigimin toani ro·ongrangchi tona. Tarigimin toani ro·ongrangko man·jaode, togimin katomrang jekai dal <math>\frac{1}{2}</math>kg ni katom, kari gram 200 ni katom, biskut gram 100 ni katomrangko jakkale tona man·gen.</li> <li>• maiba gital toaniko jakkale tona jekai, gram 500 ni katomko jakkalani biapo, gram 250 ni katomko katomgni jakkale, tona (ba uarang baksa apsan ong·e jrimgipa rong·terangko aro uandagipa gipinrangko jakkalna man·gen)</li> <li>• gipin ra·chakanirangni chakaniko tona uamang an·tangtangni tochakanirangko tarichina. Mesokna gita, jok te·sa ba donchakani te·sao badita chi donganiko u·ina gita milli litre 200 chakgipa botolko tochakani dake jakkalna man·gen.</li> <li>• kalendarko nie ra·na aro ning·tue chanchina aro jasao/bilsisao badita antirang donga chanchina. Bi·sarang jaantio/japrako badita sal dongani bimangko aro salrangara maikai jani tarikrang baksa nangrima, aro uandagiparangko am·rikkite nichina.</li> <li>• jemangan porairimgiparang baksa somoiko aganna/gorini konta aro minitrangko poraina ma·siman·aha, uamangni ma·sigiminrangko klas ning·o/a·palo u·ie ra·giminrangko jakkalna.</li> <li>• maiba obosta ong·anio somoini badeangako chanoroange ba changalani/chandimaniko jakkale am·e</li> </ul>	
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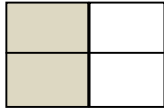


<p>nina.</p> <ul style="list-style-type: none"> <li>• uamangni samtangtango donggipa pattern-rangko/design-rangko (bimangrangko aro nombor-rangko jakkale) sandie nina aro uandagipa pattern-rangko tarina aro uarangko taridapna.</li> <li>• u-iatanirangko chimongna aro uamangni salantio janggi tanganio orto gnanggipa kamni biteko bikongkatna. Ia u-ie ra-giminrango pangchake, bi-sarangko data-ko jakkalanina miksonge daka-kanirango bak ra-atna.</li> <li>• data/bar graphrang, aro uandagiparangko songbadrangoniko/megejinrangoniko poraina aro uarangko agantalatna.</li> </ul>	
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## Klass-V ( Mathematics)

Skie On·ani Cholrang	Skie Ra·giminrang
<p><b>Skie ra·enggiparangna saksan/sakgni gni/dolprak prak dake skie ra·na cholrangko on·na nanga aro ka·mao mesokatenggiparangko didina nanga:</b></p> <ul style="list-style-type: none"> <li>• Nombor 1000 na badee jakkalna nanggipa segimin bakrango/ donsogiminrango pangchake agan-chanchigrikbo jedakode nomborko baririkrikate jakkalani bewal an·tantangan ong·bagen. Mesokna gita, 10kg-o badita chang gramrang, kilometer 20-o badita chang metre-rang aro uandake.</li> <li>• Nomborni biapni gamchataniko jakkale 1000 na badegipa nombor-rangko (100000 -ona kingking) see mesokbo jekae nombor-rangko skie ra·aniko hajal 9-na badee baririkrikatani, 9999-na sa batgipa nomborko maidake segen.</li> <li>• Tik dongimin algorithm-ko jakkale (chandimna aro changalanirang) dal·dalgipa nombor-rangko ka·bo. Iako algorithm-ko biap damsiona apalate ka·ani ine aganna/mesokna (identifies) man·gen.</li> <li>• Nombor-rangko سوالna dingtang dingtang cholrangko jakkalbo jedake apsangrik suale on·ani aro bikpile/bikpilgrike ka·gipa chantaitaiani bewal.</li> <li>• chong-motgipa chantaitaianichi, nomborni ritting (numberline) aro nombor grid-oniko watchange channachi nomborni bakrango bikotbo.</li> <li>• Tok gimik dakgipa dolni bakrango jekae ma·siatna gita, salantini janggi tangao daka- ka·anirangni biding ba obostarongoniko bikote anga-chanchigrikbo,</li> </ul> <p style="text-align: center;">Jekae te·rik bite ata dojin-o badita rong te·rikrang donga?</p> <ul style="list-style-type: none"> <li>• pe·raronanirangko dingtang cholrangchi tosusabo jekae lekkako tem·achi, noksarangko gisimatachi aro uandake.</li> <li>• pe·raronanirangni apsangrik ong·aniko u·iatna dingtang dingtang daka-ka·anirangko bikotbo. Mesokna gita, lekka tem·achi aro noksani bakrango gisimatachi:</li> </ul> <div style="display: flex; align-items: center; margin-top: 10px;"> <div style="border: 1px solid black; width: 40px; height: 40px; margin-right: 10px; background-color: #d2b48c;"></div> <div style="margin-left: 10px;"> <math>\frac{1}{2}</math> ara         </div> </div>	<p><b>Skie ra·enggipa:</b></p> <ul style="list-style-type: none"> <li>• dal·gipa nombor-rangko ka·a             <ul style="list-style-type: none"> <li>- an·tangni nanggiparangna jakkalanichi 1000-ona bate dal·batgipa nombor-rangko chana aro sea.</li> <li>- Nombor-rangni biapni gamchataniko ma·sie, hisab ka·ani mingbri niamrangko 1000-na badeaona ka·a.</li> <li>- Tik dongimin algorithm-rangko jakkale on·gimin nombor ge·sako nombor ge·gipinchi suala.</li> <li>- Chandime man·ani, dingtanggrikanirang, chantaitaie man·ani aro nombor-rangko sualgimin bakko hisaba aro apsankon dingtang dingtang budirang jekae tik dongimin algorith-rang ba nomborko pe·anirang aro unikoa hisab ka·ani niamrangko jakkale ka·e nia. Mesokna gita, 9450-ko 25-chi aro bon·kame 50-ko 25-chi suala aro suale napgipa bakrango chandime tik ong·gipa aganchakaniko man·a.</li> </ul> </li> <li>• pe·raronanirangni gimin ma·sie ra·a             <ul style="list-style-type: none"> <li>- chu·gimikgipako bak dakna gita nomborko sandia.</li> <li>- on·gimin pe·raronaniko apsan ong·gipa pe·raronanirangko ong·atna aro aganna man·a.</li> <li>- on·gimin pe·raronani bakrang jekae <math>\frac{1}{2}</math>, <math>\frac{1}{4}</math>, <math>\frac{1}{5}</math> -ko decimal chinrangko paraka aro bikpilgrike decimal chinrangoniko pe·rarongipaona donskaa. Mesokna gita, ro·aniko aro tangkani hisabko jakkalachi mesoka.</li> <li>- Tangka gong 10-ni atara tangka gong 5 ine paraka.</li> <li>- pe·raronanirangko decimalrangona aro decimalrangko pe·raronanirangona pe·skaa.</li> </ul> </li> <li>• Angle-rang aro bimanrangni ong·aniko andie nia.             <ul style="list-style-type: none"> <li>- Angle-rangko rignt-angle, acute-angle, obtuse-angle dake gadang daka aro apsankon salanichi mesoka.</li> <li>- Gro aro gipengsan dongaigipa bimanrangko (2D) an·tangni samtangtangoniko aganna man·a(identify) jean wilwilgrikani aro apsananggipa bimanng donga. Jekae</li> </ul> </li> </ul>



$\frac{2}{4}$  baksa apsan ong·a.

- decimal fraction rangni ortoko ma·siatbo.

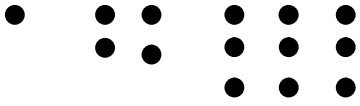
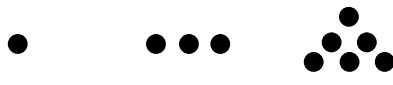
$(\frac{1}{10}$  gipa aro  $\frac{1}{100}$  gipa)

- angle ba ki·tikrang seng·gnang ma·siatanina uarangko talatna kam ka·bo/skie on·bo.
- Uamangni sambao nikna man·gipa angle-rangko nie ra·bo uarangko toanichi toenba tosusagrike nibo. Mesokna gita, angle-ara chonbatama, ba dal·batama ba ki·tapni noksik baksa apsanama, jean right-angle ge·sa ong·a; aro indake angle-rangko bak dakangkuna man·gen.
- Protactor-ko angle-rangko tona jakkalani bostu ine talatchenge on·bo aro uko tona aro angle-rangko salna jakkalbo.
- Apsananggipa bimangko (symmetry) lekka tem·aniko/lekka rataniko jakkale sandie nibo.
- Bimangrangko sandirikite nibo, jedakode uamang mitam bimangrangara chu·gimik wilwilatani ja·manosa/ adita wilwilatosa apsan ong·e nika ine u·igen.
- Uamangko tangkako hisab ka·e koros ka·atna (dingtang dingtang tangkani nod-rangko jakkale) aro badita tangka bangkiko (gitchaako) man·pilgen tarisamsobo (plan).
- Dokan chalaitimgiparang aro bregiparang dake kal·aniko dakdilbo jeon chatro-chatrirang bill-rangko taria.
- Tarigimin toani budu (tape)/metre skelko jakkale dingang dingtang bosturangni ro·ako tobo.
- dal·batgipa toani bakrangko chonbatgipa bakrangona pil·atna nanganiko namnikpae mesokbo.
- Chi botolo, nom·gipa ringanirangko chipgipa bikopo badita chakako chapa ka·gipa chananirangko u·ie ra·giminrangko agan-chanchigrikbo.
- Dotgimikgipa dingtang dingtang bimangrang, cube-rang, prism-rang, sphere-rang aro uandakgiparangko jakkale, on·gimin biapo gapatbo aro chatro-chatrirangko badia bimang krabata chanchina didibo.
- on·gimin bangbanggipa biapko gapatna badita teng cube-rangko nanga channe

alphabet aro bimangrang.

- Tarisogimin net design-rangko jakkale cube, cylinder aro cone-ko taria.
- ro·ako, jrimako, chakako tona jakkalronggipa dingtang dingtang dal·kalgipa aro chonkalgipa toani bosturangko nangrimata aro dal·kalgipa toanirangni bakrangko chonkalgipaona aro chonkalgipako dal·kalgipaona pe·skaa.
- u·igimin dotgimikgipa bimangni chakaniko toanirangchi toa. Jekae baltin te·sani chakaniera mog (mug) te 20-mang ong·a.
- tangka, ro·ani, bimang dal·ani, chakani aro somoini bakrangko man·chapgipa ka·anirangko ka·na, hisab ka·ani mongsonggipa mingbri niamrangko ra·gate jakkala.
- Triangular nombor aro square nombor-ni bimang ba pattern-ko ma·sia.
- Salantini janggi tangani obostao pangchakgipa data-ko chimonga, uko tebilni bimango aro bar graph-o taria aro uko agan-talata.



<p>chakaniko tobo.</p> <ul style="list-style-type: none"> <li>• Hisab ka·ani dingtang dingtang bewalrangko nombor-rangko seani bimang ba pattern-ko aro square nombor-rangni bimangrang gita chanchigopna sandie nibo.</li> </ul>  <ul style="list-style-type: none"> <li>• ka·mao mesokgipa traingualr nombor- baan bimangko ong·ata.</li> </ul>  <ul style="list-style-type: none"> <li>• u·iatanirangko (informations) chimongbo aro uko nokساني bimango done mesokbo. Mesokna gita, uamangni klasoni bi·sarangni changroaniko noksa sale mesokani.</li> <li>• Dingtang dingtang salgimin noksarangko/bar chart-rangko songbadrangoniko , megejinrangoniko chimongbo aro klaso agan-chanchigrikbo.</li> </ul>	
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### Dingtangman·cha nangani gnanggipa bisarangna (Mathematics)

Hisab ka·aniko skie ra·anio neng-nikanirangko namatna, mitam bi·sarangde dangtap-rim·dapachi skie ra·ani bostuko aro gipinrang dingtangman·chagipa skie on·gipa mandeko, geometryo aro hisap ka·anio nangchapgiparang jakkalni bostuko nanga. Mitamrang ramrambttagipa (altuagipa) ku·sik agananiko ba bang·bata noksarangko nanga. Gipin rang graph-o, table-o ba hisap ka·anio mesokani noksarangko (bar graph) dongimin chin ba bimangrangko pe·e agananiao dakchakaniko nangnaba donga. Ku·rangchi mesokanirangko pe·e agananiao ba gisiko hisap ka·anirangko dakmitingo dakchakaniko nanggipa bi·sarangba dongnaba donga. ICTko jakkalanichi chananio ba rasio nangchapgipa aro nikna man·gijagipa chanchianirango neng-nikanirangko namatna jakkalna man·a.

Dingtang dingtang neng-nikarango man·gipa bi·sarangni mitam nangteanirangko ka·mao on·enga (mesokenga), jean bi·sarangko bi·saskarang baksa skie ra·na dakchakna aro skie ra·na nanggiparango man·atna simsake jakkalna man·gen.

### Nikanio chu·onggijagipa bi·sarangna

- Biap, apalani aro gipani gnanggipa bimangrangko (spatial concepts) aro ia bimangrangni gisepo nangrimanirangni gimin u·i·ma·sianiko namdatpani;
- Mitapgittam toani gnanggipa bosturangni (three dimensional objects) mitap gni bimangrangona dingtang ong·baaniko u·i·ma·siani;



- Dingtangman-chagipa bewalrang ba chinrang jerangko hisap ka-anio jakkala, uaranko u-i-ma-siani;
- Hisap ka-anio kattachi seanirangko (jekai equation) ba uandakgiparangko knaachi chipe ra-anio neng-nikani;
- Jejerangko Braile-o<sup>1</sup> biaptangtang gita donani aro rongni chinrangni a-sel (dongani gimin), uarangko hisap ka-ani bidingo kattachi seanirangko poraianio aro uarangko sejotskaanio neng-nikani ;
- Nemeth ba minggipin hisap ka-ani bidingo Braile-o segipa chinko skie ra-ani (Mathematical Braile Code).

### **Knaanio cho-unggijagipa bi-sarangna**

Ku-sikko skie ra-anio dal-roroanio ja-manchakani, jakkalrongggipa kattarang donggijani aro dingtangman-cha hisap ka-ani bidingo jakkalronggipa kattarang dongjani asel ja-manchakani (jekai apsan apsan dakgipa/ bikpilgrikgipa ba reciprocal<sup>2</sup>, gro-gipengni riting ba linear uandakgiparang

- Kattachi hisap ka-anirangko u-i-ma-siani (chong-motan ortorangko ma-talatna u-iatna bang-a kattarangko jakkale talatani)
- Jeje kattarango bang-a ortorang donga, uarangko ma-ekatani ba dingtanggrikatani, jekai sut (interest), table, bakki ba on-na ba gamna nanggipa tangka-paisani biding (credit), noksik (angle), dam (rate), chakani (volume), bil (power) sutotani (point),
- Chatro-chatrirangni ku-rangchi poraengmitingo, hisap ka-anio jakkalgipa kattarangko dingtanggrikatani (jekai chikking aro chikkingogiparang, sotlandok aro chidok)
- Nangchapgipa u-iataniko aro neng-nikanirangko namatna nangchongmotgipa bewalrangko basena, gisikni bilrangko bariatani bewalrangko nanga gitasan jakkalani.

### **Apale chanchibewalna man-gigjagipa aro chanchianio bilgrigipa bi-sarangna**

- Sul sul cho-one donani, neng-nikanirangko gadang gadang namatani aro gamchataniko tik biapo donanio raknikani;
- Hisap ka-anirang (computations), bikpilgrikgipa rasirang, neng-nikanirangko segatani aro uandake, chinrangko jakkalanio jajaanirang, jekai '+' ko 'x' na aro ka-ani ba jakkalanirangko sulsul mingpilanio ba gisik ra-atpilanio raknikanirang,
- Geometry-o skie ra-gnigipa dingtang dingtang bimangrangko aro bachipak mai donga uarangko basee mesokani;
- Algebra aro chugimik rasirango (integers) jakkalgipa nikna man-gigjagipa bimangrang<sup>3</sup> (abstract concepts)
- Kattaoneng-nikanirangko u-i-ma-siani.

<sup>1</sup> Braile: Dingtangmancha mikgrirangna sea jotaniko dakani, jerangko uamang dangtape ba dangame poraia.

<sup>2</sup> Je rasiko Ichi سوالون apsan rasiko manpila ( Any number is equal to the same number divided by one).

<sup>3</sup> Jerangko sea aro chanchianirango jakkala.





## ENVIRONMENTAL STUDIESKO SKIE RA-ANIO BI-SARANGNI MAN-GNI

### A-bachenggipa Gadang.

#### Talatchengani:-

A-bachenggipa gadango samtangtango donggiparangni gimin skie ra-aniara bi-sarangko uamangni wilwilao donggiparangni gimin chong-motgipa obostarangko u-i-ma-siatna rimongkatbana ka-dongsoaniko ra-baa, jedakode uamang da-ororo ong-enggipa samtangtango donggiparangni gimin chanchignirangni bidingo (ong-telaigipa ba natural, nikna dangtapna man-gipa ba physical, songsaro nangchapgipa ba social aro janggi-tangbewalo nangchapgipa ba cultural) mikasale u-ina, ra-chakna aro mikkaoataniko on-na dakchakgen. NCF 2005-o janapani gitade, mingsa man-gopgipa aro kattabichongo pangchake skie on-ani bewalko (integrated and thematic approach) chugimik a-bachenggipa gadango skie on-na aro skie ra-na nanggipa ong-a ine mesoka, chong-motan class III oni V ona dingtang ma-eke skie ra-gni bak dake (separate curricular area) ra-na ge-etaha aro klas I aro II-rango nanggipa bakrangko (related concerns) ku-sikko skie ra-ani aro hisap ka-ani baksa chanchapa. Bi-sani sepangbatgipa wilwilao donggiparang (natural, social, physical and cultural settings) jean bi-sa an-tango, uni noko, skulo aro a-bachenggipa gadangrangni nokdango aro indake apalbatgipa samtangtango (noksul songsulrangkoba apalbate) a-bachengroroe, Samtangtango donggiparangni gimin skie ra-aniara (EVS) bi-sako an-tangni samtangtangkosan ma-tale u-itaigija, indiba uarang baksa stitgrike melianikoba bariatna dakchaka. Bi-sarangni obostani kri uamangni skie ra-ani chol ba obostako bikot-biksale on-naniara, Samtangtango donggiparangni gimin (EVS) skie ra-anio nangchongmotgipa ong-a. Maming dakat-ka-atani gri u-iatanirangko, mainiba gimin dokbadalanirangko aro talatanirangkomang-mang joljol on-aijanirangko gelna jotton ka-na nanga, iarangko dakani pal bi-sarangko bi-sa skarang baksa, dal-batgiparang baksa aro sakgipin u-ibatgiparang baksa bakrimate, uamangni samtangtango donggiparangni gimin bak ra-ate, am-sandiate skie ra-atachisa an-tangtangni u-i-ma-siani bilko bariatna cholko bikote mesokna jotton ka-atna nanga. Ia gadang gadang sulsul kamrangko ka-engmitingo, klas-o ra-enggipa ki-taprangna agreba uamang dingtangdingtang u-i-ma-siani bilni japangrangko sandie ra-na cholko mesokgenchim aro dingtang dingtang skie ra-ani biaprangko klas-o skie ra-anina agreba am-sandie-am-rikite skie ra-ani cholko on-genchim. Chong-motgipa a-gilsakko bi-sarangna oprake on-anichi dingtang dingtang songsarni obostarangko ba chanchina nanggnirangko (me-a me-chik basegrike neng-nikgrikaniko ba gender bias, onchepe ra-aniko ba marginalisation, dingtang dingtang obostao ga-akgipa manderangni bidingo ra-bianiko, chong-motan jemangan ja-del-bolchagimin aro sae dongenggipa manderangko man-chape ba differently abled) aro ong-telaigipa bakrangna simsakna nanggnirangko (jedake ong-telaigipa gamrangni nosto ong-gnioniko chelchakani, rakkiani aro ripingani) chagrongna bi-sarangko dilgenchim. Skigni bosturangna agreba, klas-o skie ra-ani obosta aro skiani bewalni kamrangkoba man-gopatna simsakna nanga, chong-motan bi-sarangni bilrang, gisikni bilni namdaporoani, skie ra-anio ta-rak-ka-snani (pace), bewal (style) aro uandake, iarango pangchake dingtang dingtang rokomni bi-sarangna skianiko on-na nanga. Bi-sarangko gong-e skie ra-anio bak ra-ataniko on-engon, uamangni skulo u-i-ma-sie ra-giminko uamangni dakgimale u-i-ma-sianirang baksa nangrimatna bi-sarangko dakchakna nanga aro iarangan nangchongmotgipa ong-a ine ra-chakna aro cholko on-na nangchongmota. Uni gimin, apalgipa skie on-ani bewalrang (approaches), chu-sokatna daksamsoanirang (strategies) aro nanggipa bosturangko skie ra-ani obostarango man-chapatna nanga, jedakode (dingtang dingtang obostao ga-ake neng-nikgiparang aro tangka-paisa, lekka poraanio chol man-sokgijagipa skie ra-gipako man-gope) nike-nie ra-na, chanchiatangko parakna, aganchanchirimna, sing-sandina, chanchirikitna, jeko man-na ama uko dakpana (improvise) aro che-em che-em talatna, skie ra-gipa sakprakan nama chol ba somoiko man-pagen,



chong-motan saksantang aro doldol dakate bang'a u-i-ma-siani bilrangko<sup>4</sup> jakkale dingtang dingtang skie ra-ani kamrangko uamangko bak man-atna man-a.

Bi-sani namdapaniko nigop-nikgopaniko dakna aro uni Samtangtango donggiparangni gimin skie ra-anio (EVS) badia bakrangko silro-ro-namrobaani gning uarangko rongtale mesokna, tarisamsogimin skie ra-gnio ka-dongsoani gita (curricular expectation), klas ge-prakna Samtangtango donggiparangni gimin skie ra-na man-anirangko (EVS) rongtale che-em che-eme talataha. Bilsini kri tiktak namsrange aro nangchapgipa skie ra-ani bewalni obostarang (contextual learning situations), skie ra-anio nangnikanirangko chanchiningani aro skie ra-giparangni skie ra-ani bewalrangko bikotna, skiani bewalrangni kamrangko nanga (pedagogical processes), jedakode skigiparang /ja-del-bolchagiminrangko uamango dongggipa cholrang ba butirangko simsakbee am-sandina aro uamangni u-i-ma-siani bilrangko, changa-sapanirangko, gamchatanirangko, gisik nanganirangko aro kam bewalrangko bariatniko apalbate donna man-gen. De-e-minge on-gimin skiani bewalni kamrang klasni kri ka-mao mesokgimin tebil gita, dingtang dingtang skie on-ao bak man-pagiparang, dingtangman-cha skigiparangna skie ra-ani obostarangna maidakode namgen, uarangni gimin mitam dakchakanirangko on-enga. Iarangan uamangko skie ra-anio dakgnirangko tarisamsona dakchakgen aroba man-gopgipa skie ra-ani obostao (inclusive classroom) baditana bisarangni skie ra-ania silro-namdaprorobaachim , urangkoba porika ra-na man-gen.

### **Skie on-gni bakrangko skie ra-aniko man-na ka-dongsoanirang( Curricular Expectation)**

Samtangtango donggiparangni gimin skie ra-aniko (EVS) skie on-na tarisamsosani gitade, a-bachenggipa skie ra-ani gadango (primary stage), bi-sarangko kamao janappgimin gita ong-na ka-dongsoa:

- Dingtang dingtang katta bichongrangni gimin, jerangan uamangni salantio jannggi tanganio nangchapa jekai Nokdang baku, Sambolrang, Matburingrang, Cha-ani, Chi, Songre-songbatani, aro Dongchak-ma-chakani, iarangni bidingo bi-sarang an-tangtangan nike-nie dakgimale u-i-ma-siatachi sambaogipa/ samba ketchi wilwilao dongiparangni gimin apalbate mikaoatani man-atna;
- Ong-telaigipa bakrangni gimin u-i-ma-sie ra-na skaniko aro samba ketchio donggiparangi gimin gisikni noksarangko bikotna sapani bilrangko bariatna aro simsakchina didina;
- Dingtangtang kamrang ba changa sapanirang jedake nike-nie ra-ani, agan-chanchirimani, ma-talatani, dake-ka-e mesokani, nangnikani kri a-selko bikotna man-ani bil, iarangko samba-ketchio donggiparang baksa u-i-ma-sianiko onachi namdapatna;
- Samba ketchio donggipa ong-telaigipa, bimang gnanngipa bosturang aro nanggipa manderangni gun ba gamchataniko u-itaniko on-an baksa mikaoatna;
- Chanchina nanggnigiparangni gimin jedake gadango ba jakkalgni bilrangko apsan ong-ani (equality), kakket bichal kaani (justice), mandeni mikkim aro bilrangko mande mingani, iarangni gimin de-doe mesokna;



### Klass-III (EVS)

Skie On-ani Cholrang	Skie Ra-giminrang
<p><b>Skie ra-enggiparangna saksan/sakgni gni/dolprak prak dake skie ra-na cholrangko on-na nanga aro ka-mao mesokatenggiparangko didina nanga:</b></p> <ul style="list-style-type: none"> <li>• samtangtango donggiparangko name nie sandina gita cholrangko on:gen, jekai; nok, skul aro noksulrangoniko dingtang dingtangbosturang/sambolrang/matburingrang /do-orang (bimang gnanggiparangna)/dangtapna rim-na man-gipa/altugipa niari u-ina man-gipa a-gilsakni mongsongbatgipa bimangrangko (dingtanggrikani, bimang, mojimani, dongchakram/man-na amani, bewalrang, nanganirang, dakbewalrang aro uandake)</li> <li>• uamangni nok/nokdangni manderang jerangmung uamang donga, uamangni kamrang, a-gilsakni bakrangming uamangni nangrimanirangko aro bewalrangko aro u-ie ra-giminrangko dingtang dingtang cholrangchi nie ra-na aro sandina</li> <li>• sepang joloniko re-na dona jakkalgiparang gimin, re-a doani cholrang aro manderangni kamrangko nie sandina</li> <li>• cha-ani bosturang, cha-chak ringchakanirang, chankol, to-rang aro song-a ritani bewalrangko ma-sina nokni/skulni babilsi ko nie ra-na</li> <li>• baoniko an-ching /do-orang/matburungrang chiko, cha-aniko (sambolrang/ matburungrang, badia gipa sambolni bakko anching cha-a aro uandake gipinrang,) sawa babilisio kam ka-a, sawa maiko cha-a, sawa bon-kame cha-a uko dal-batgiparang baksa agan-chanchigrikna aro sandina</li> <li>• wilwilao donggipa dingtang dingtang biaprangchi jekai; antidamo maikai pala/brea, chitti watani nokoni chittiko maidake nokona sokbaata, chiring chibisik aro uandakgiparangko u-ie ra-na re-na.</li> <li>• sing-anirangko sing-na aro tarina aro ripengskarang aro dal-batgiparangni sing-anirangna kengija aro jajagija aganchakna</li> <li>• u-igiminrangko/nie ra-giminrangko noksa salachi /chinrangchi/saldapachi/jak be-en aro mikkangrangni moatani chinrangchi (gestures), bang-gija kattarangko jakkale ku-siktangchi / altugipa sentencechi parakgrikna</li> <li>• bosturangni dingtanggrikano/ apsangrikano pangchake nikna nina man-gipa bimangrangko tosusana aro uarangko dingtang dingtang dake ma-ekatna</li> <li>• salantio jakkalenggipa bosturang jekai, ganding chinding, cha-chak ringchakanirang, wilwilao donggipa manderangni kamrang, kal-anirangni gimin, ma-a parang/nirok sandigiparang/ atchu ambitangrang/songsaro songdonggipa dal-batgiparang baksa apsan agan-chanchigrikna</li> </ul>	<p><b>Skie ra-enggipa:</b></p> <ul style="list-style-type: none"> <li>• samtangtango donggipa sambolrangni bijakrang, bitong aro bigilni ramranggipa nikna man-gipa bakrangko ( jekai: bimang, rong, rokom, biba) ma-sie ra.a.</li> <li>• samtangtango donggipa ramram do-o matni bimangrangko ma-sie ra-a (jekai: il-eng-siksakani, bano man-a/dona, cha-ani bewal, mikoani).</li> <li>• nokdangni manderangni saksa sakgipin baksa aro uamangni gisepo nangrimaniko ma-sie ra-a.</li> <li>• noko/skulo/wilwilao donggipa bosturangko, chinrangko (songchak-chanchakani bosturang, changkolrang, re-a-doani, re-a-doani cholrang, signboard-rang aro uandake); biaprang ( nokni rokomrang/nokrang, gari donchakram, petrol pump aro uandake) daka-rikanirangko ( manderangni kam, song-a ritani bewalrang, uandake.) ma-sie ra-a</li> <li>• dingtang dingtang bilsini kri manderangni cha-na nanganiko, do-o-matrang, cha-ani aro chiko man-na amani aro noko aro samtangtango chiko jakkalani bidingo talata</li> <li>• nokdangni manderangni dakgnirang aro nokdangni bilko jakkalanirang (cholonrang/ bimangrang/ dakbewalrang/ dakrongbewalrang), apsan janggi tarimna nanganiko aganachi/ seachi aro gipin cholrangchi talata</li> <li>• dingdingatang u-iani bilrangko jakkale bosturang, do-orang, matburingrang, bimangrang, daka-ka-anirangko dingtanggrikani / apsangrikani aro kri dol daka. (jekai: bimang/ dongram/ cha-ani/ il-eng-siksakani /namnika- namnikgijani/ aro uandake gipinrang)</li> <li>• da-oni aro skangni (dal-batgiparangni somoio ong-gimin) bosturang aro daka-rikanirangko dingtangata (jekai: ba-rarang/ song-chak chanchakanirang/ kal-susaanirang/ manderangni ka-gimin kam).</li> <li>• chinrangko jakkale/ agangrike ramranggipa map-rango ( nokni/ klasni/ skulni), bosturangni aro biaprangni bachipak onganiko, bano donganiko mesoka.</li> <li>• Bosturangni aro salantio dak-ka-anirangni gunrangko chanchipe agana, aro uarangni bang-a bang-gijaniko hisapa aro chinrangko/ tik ong-gijagipa toanirangko (kruchi toanirang, chamos/ mokrang aro uandakgiparang) jakkale toe mesoka</li> <li>• bosturangni/ daka-ka-anirangni/ nikkimin biaprangni gimin nika-nie ra-anirango, u-ie ra-giminrangko, uitanirango pangchake dingdingtang dake see rakkia aro patterngangko (jekai jajongni bimang, sal karirang) agansoa</li> <li>• bosturangni, noksarangko, design-rangko, motif-rangko, modelrangko, bosturangni kosak, mikkang, sambengko, ramrammgipa maprangni</li> </ul>

<ul style="list-style-type: none"> <li>• samsamtangtango man-gipa bosturangko jekai, ro-ongrang, ri-pokrang, ga-akgimin bi-jakrang, do-grangrang, noksarang, aro uandakgiparangko, chimongna aro sulsul tarina aro maiba gital dake jekai, dan-dake, dokra dake (pouches) aro katome sulsul tarina</li> <li>• ong-enggipa obostarangni gimin, nie agansamsona aro uarangko cham-pengani/ong-a aro ong-gijako sandie niani/porikka ra-e niani cholrangko name dake chanchichipna aro tarina. Jekai badia rama ba bachipak (jakasi/jakra/mikkangchipak/janggilchipak) uko ja-rike sepanggipa bostuona/ biapona sokna man-gen; badia chi donchakanio chi bang-bata; moksao chiko gapatna badita chamos/ baltin sao gapatna badita mok chiko nanga aro uandake gipinrang.</li> <li>• dangtape, cha-tote, gingsike, nike, knae u-iani bilrangko (senses) jakkale an-tangtangni changa sapani gita, nie /gingsike/cha-tote/nangdike / knae bosturangko aro uandake gipinrangko ma-sina, tok dakna aro dingatangatna, ramranggipa daka kaanirang/ kae nianirangko ka-na</li> <li>• dake/ka-e nianichi ma-sigiminrangko/ u-igiminrangko chimongna aro uarangko aganachi/ jak be-en aro mikkangrangni moatani chinrangchi (gestures), ramram salanichi/ tebilrangchi/ altuagipa sentencerangko jakkale seachi talatgrikna</li> <li>• noksa salanirangko, modelrangko, designrangko, tape tariani (collage) aro uandakgiparangko tarina aro namdapatna, altue man-gipa aro galgimin bosturangko, sigimin ga-akgipa bi-jakang/pulrang, a-ste, kilding ba ba-ra, rong-srek, rongrangko jakkalna. Jekai, jakkalgimin dislai bikoprangoniko, rakgipa lekka aro uandakgiparangoniko me-dikrang/ ra-chakanirang, matburingrang, do-orang, garirang, asongchakanirangko tarina a-steko jakkalna</li> <li>• wilwilao donggipa mikmalgipa jilanirang ba gipin do-omatrang/ matburingrangni dolsa dol gipin baksa nangrimgrikani gimin uigiminrangko agan-talatna</li> <li>• jinma apsan kam ka-anichi gipinrangna simsakna, sakgipinrangko ma-sichakgrikna, jinmako dilna, bimchipe bak ra-na aro dakdilna, jekai dingtang dingtang nokningo/a-palo/wilwilao, somoini kri kamrangko ka-na ba kal-anirangko kal-dilna, gipin ka-gni kamrangko ka-dilani (projects), jekai sam bolrangna simsakani, aro</li> </ul>	<p>( klas dring, nok/ skulni kutturirang, aro uandakgiparang) aro slogan-rang, poedorang, aro uandakgiparangko taria aro sala</p> <ul style="list-style-type: none"> <li>• kal-susaani (songo-noko, nokningo, a-palo kal-anirang) niamrangko mania aro uandakgipa gipin kamrangko ka-a</li> <li>• nokdango aro skulo me-a-me-chik baseani, cha-ani aro chiko jakkalsretani/ simsakgija galani bidingo, nokdango ka-rongbewal/ kalrongbewal/ cha-rongbewalrangni gimin nama namja ine an-tangni chanchianiko parake agana</li> <li>• Sam bolrangna, matburunrangna, dal-batgiparangna, kora kempa manderangna aro wilwilao donggipa rokom rokom nokdangrangna simsakaniko mesoka.</li> </ul> <p>(mikkang bimango dingtanganirang, changa- sapanio dingtanganirang, baseanirang-namnika namnikgijani, aro salantio nanganirangko jedake cha-ani, dongchakani aro uandakgiparangko man-na amani)</p>
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<p>bosturangna simsakani, do-orangna /matburunrangna adal on-ani aro wilwilao donggipa bosturangna simsakani</p> <ul style="list-style-type: none"> <li>• apsanaigipa (stereotypes/ basetegipa kamrangni (discrimination) gimin, uamangni uigiminrangko noko, skulo, wilwilao ong-a obostarang baksa namrimatna gita singaniko sing-na, agan-talatna, name dake chanchina aro ra-gatna, jedake, me-a aro me-chikrangni kamrang, cha-aniko man-ani, an-seng baljokani, skulchi re-na man-ani, ja-del-bolchagiminrangni nanganirang aro dingtang dingtang simsakaniko nanggipa manderang aro uandake</li> <li>• noksarangko, postalrangko, signboard-rangko, kitaprangko, knaatna-nikatna mangipa bosturangko (audio-video), dangtapna man-gipa bostuko/ tang-doa gita dake nikatgipa bostuko (raised material)/ songbadoniko rate tapanirangko, golporangko/ poedorangko, internet-o man-gipa seanirangko, documentary-rangko, library-oniko sandina/ poraina aro textbook-na agreba gipin seanirangko jakkalna</li> </ul>	
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Klass-IV (EVS)

Skie On·ani Cholrang	Skie Ra·giminrang
<p><b>Skie ra·enggiparangna saksan/sakgni gni/dolprak prak dake skie ra·na cholrangko on·na nanga aro ka·mao mesokatenggiparangko didina nanga:</b></p> <ul style="list-style-type: none"> <li>➤ bi·sani samtangtang jekai;nok-jam, skul aro noksul songsulo donggipa dingtang dingtang bosturangni/pulrangni/ matburunrangni/sam bolrangni /do·orangni niari u·ina amaigipa bimangrang (dingtanggrikani, bimang, mojimani ba il·eng-siksakani, dongchakram, cha·ani bewalrang, uarangni nanganirang, bitip dakani, jinma jinma roani aro uandake) sepangbatgipa samtangtangrangko nie aro sandirikite ma·sina</li> <li>➤ badiaba nokdangrango nokni manderang maina apsan donga aro badiabarango chel·grike donga, uarangni bidingo nokni manderang baksa agangrikna aro sing·e nina, chel·ao songdonggipa ma·drangrang aro ripengrang baksa uamangni dongchakggipa nok/re·ruraani cholrang aro janggi tangani bewalrangni bidingo sing·anirangko sing·na aro agan·chanchigrikna</li> <li>➤ songsul/nokjam/babilsil/antidam/chimmongram /buringni matburunrangko donchakram/a·barang/chibisikrang/ dolongrang/ rikenggipa biaprang/songni karkanarang/chel·ao songdonggipa ma·drangrang, ripengrang/ jakchi noksa salani, carpet dokani, jakni kamrangna mingsinggipa biaprangko nina re·angchina</li> <li>➤ manderang (pul palgiparang, me·su palgiparang,bija jilgiparang,malirang,a·ba gangiparang, gari chalaigiparang,an·seng baljokanina kam ka·giparang aro a·songko warachakgiparang aro uandake) ko gronge uamang baksa uamangni kam ka·ani bidingrang, changa sapanirang/ jakkalani ostrorangni gimin agangrikaniko dakna</li> <li>➤ somoini kri nokdangrango obostarangni dingtangani gimin, nokdangni dingtang dingtang manderangni kamrangni gimin ja·del·bolcha giminrang baksa agan·chanchigrikna, apsanagipa (stereotypes/ basetegipa kamrangko (discrimination)/ manderangko, matburingrangko, do·orangko noko/ skulo/ noksul·songsulo kragija jakkalni gimin uamangni u·igiminrangko aro chanchianirangko parakgrikna</li> <li>➤ sing·anirangko sing·na/ tarina aro mamung</li> </ul>	<p><b>Skie ra·enggipa:</b></p> <ul style="list-style-type: none"> <li>• samtangtango donggipa bolrangni (<i>jedake, bimang, rong, biba jeon uarang dal·roroa/ba una agre gipinrang</i>) bibal, ja·dil aro biterangni bimangrangko nika niachi u·ie ba ma·sie ra·a.</li> <li>• samtangtango donggipa do·o· matrangni bimang jekai, ku·sik, ja·skil, nachil, kni, bitip/ ma·chakani ba una agreba gipinrangko nianichi u·ia.</li> <li>• nokdangni manderang baksana ma·drang mahari baksa meli·nangrimaniko nika nie u·ia ba ma·sia.</li> <li>• songsaro donggipa manderangni dakbewalrangni dingtanganirang (jekai atchianichi, bia ka·anichi ba biap damsaoi damgipinona songreanichi dingtanggrikaniko talatanirang; matburunrangni janggi tangani bewal jekai chibrim, bijaa aro mongmarangni janggi tangani dakbewalrango dingtanggrikaniko aro do·o matrangni bitip rikani bewalrangni dingtanggrikaniko talata.</li> <li>• salantio mandeni janggi tanganio dakna rikna changani jekai, ge·a gamanio, rika·cho·anio, wata·chenganio; atchu·ambirangoniko skie ra·rikrikbagiminrangko aro skie on·giminrangko agan·talata.</li> <li>• salantio nanggipa cha·a·ringanirang, ge·a gamanirang jekai cha·ani, chi, ganding chindingrang, uarangko man·ani bewalrang maikai chimongchakramrangoniko nokona ra·bana man·gen ba bikotgen uarangko talatanirang. Jekai a·baoniko man·gimin mi·misirangko nok ba jamona rikabaani, chi man·ram biap chidare/chiakoloniko chiko name rongtale rakiani cholrangko ra·e nokona ba noksul·songsulrangona sokbaataniko talatani.</li> <li>• skango ong·gimin aro da·o ong·enggipa bosturang ba uamangni dakarikarangni dingtanggrikani jekai, songresonggabatasi, tangka paisa aro dongchakani nok, bosturang aro rata·tetani bosturang, change sape ge·a gamani, nokrik·nokdakani aro uandakgiparang..</li> </ul>

<p>jajaani/kenani gri uamangni u-igiminrangko ra-gatna</p> <ul style="list-style-type: none"> <li>• uamangni u-igiminrangko/ nie ra-giminrangko noksa salachi /chinrangchi/saldapachi/jak be-en aro mikkangrangni moatani chinrangchi (gestures), bang-gija kattarangko jakkale aganachi aro adita sentencerangko seachi/paragraphko altuae seachi parakgrikna</li> </ul> <p>➤ nie nike ma-sina amgipa dingtangrikani ba apsangrikgipa bosturangko tosusana aro uarangko dingtang dingtang gadangrang dake tok dakna</p> <p>➤ songsaro songdongpagipa ma-a paaming/nirok-sandigiparangming /atchu ambirangming/ jadel-bolchagiprangming aganchanchirimna aro skang chasongni aro da-ororoni janggi tangani bewalrangko (ganding chinding, cha-chak ringchakanirang, manderangni kamrang, kal-anirangni), dintangmancha simsakaniko nanggipa bisarangko manchape agan-chanchigrikna</p> <p>➤ samtangtango donggipa bosturang jekai ga-akgimin bibalrang, ja-dilrang, mosilarang, bitchilrang, dalrang, do-kimilrang, songbadrang, megejino segiminrang, separakatanirang, noksarang, tangka bisilrang, stemrangko( stamps) chimongna aro uarangko dingtang dake nitoe sulsul donna</p> <ul style="list-style-type: none"> <li>• dangtape, cha-tote, gingsike, nike , knae u-iani bilrangko (senses) jakkale, bi-sarang uamangni changa sapani gita, nie /gingsike/cha-tote/ nangdike / knae bosturangko ramramgipa daka ka-anirang/dake nianirangko ka-na, chong-motan,chio gnanggipa dingtang dingtang bosturangko nina, chioniko kari aro chiniko dingtangatna, sosigipa ba-ra (salo, kutturio, dem-e, badale, bangka wate ba watgija) ding-ako aro ka-sinako spoe uarangko nie maikai ta-rake ran-na ma-sie ra-na</li> </ul> <p>➤ salantio ong-a obostarangko, ontelaigipa obostarang, daororo ongenggipa obostarang nie nike ma-sina aro u-igiminrang parakgrikna jekai ja-dil aro bibalrang maikai dal-roroa,</p>	<ul style="list-style-type: none"> <li>• matburunrang, do-orang, sambolrang, bosturang, galgimin bosturangko nikna mangipa bakrangko nie bak dakani. Jekai (nikrangra nachil, kni, kusik, wagam, an-gil ba be-enni bimangrang) ong-telani ba ong-baani bewal, (jekai nokni/buringni, biterang/me-susamjakrang/bitchilrang/mosolarang aro una agre naljoke donani , jakalanirang, jekai cha-togipa, sam, nitoatani ba una agre gipinrang, jakkalpiltaiani bewalrang (jekai biba, cha-totani aro gipinrang).</li> <li>• bostuni gunrang, uarangni ong-baani obostarang, bang-a ba bang-gijako toe mesokani (chel-ako toani, jrimako toani, somoiko mesokani aro somoini bakroako mesokani aro uarangko tona jakkalani bosturang (kilo, mik aro kru) aro biba chadoani, bibarangni tin-dakani, uarangni jrongani, uarangko salopani; chel-a aro sepangko, bosturangni bimang aro dalrooaniko; bibalrangni balgaoani, biteni ong-baani aro me-susamjakrangni janggi tangani bewalko chanchichipna man-a.</li> <li>• bosturangni/daka-ka-anirangni/ nikgimin biaprangni (mela, maniani, itihaso mingsinggipa biap) gimin nike-nie ra-anirango, u-ie ra-giminrango, u-iatanirango pangchake dingtang dingtang dake see rakkia aro patternrangko agansoa</li> <li>• bosturangni chinrang, dongchakram aro biaprang, bano donga uko mesokanirang, jekai skulni biap, noksul-songsul ba ugita dakgiparangko nike-nie ma-sia aro meponiko mesokna man-a.</li> <li>• maikoba mesokna see donanirang, seachi talatanirang, tangka (tangka not aro bisilo) seanirang, rel tikito somoiko aro biapko seanirangko u-ia aro uarangko nanganina jakkalna changa.</li> <li>• songo-noko man-gipa/jakkalspa bostur rangoniko dingtang dingtang noksarangko tapchimonge ba ra-chimonge bimang taria, modelrang, rongrangchi bimang ong-atgiparang, posterang, albumrang aro ramramgipa meprangko (skulni, songsul-noksulni, saljoljolgipa noksarangni aro uandakgiparangni) taria.</li> </ul>
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chakkako jakkale ba jakkagija jrimako de-doani aro ramrangipa dake nianirangchi/ daka-ka-anirangchi ong-a ong-gijako tomanchae nina cholrangko raa

- rel garini/bus garini tiketrangko aro somoirangko tik ka-e segipako poraie ma-sina,tangka notrangko nie u-ina aro parakataniko mesokgipa pil-eng (signboards) aro meprango (maps) biaprangko sandina
- songo-noko man-gipa bosturang ba jakkalspa bosturantoniko dingtanggipa gital bimang, salanirang, tarigimin bimangrang (models), donbringimin noksa (motifs) lekkaoniko tapgimin bimang (collage) poedo/golpo/slogan-rangko tarina. Mesokna gita, a-steko ra-e me-dikrang/ song-chakchanchakanirang, do-o-matrang, garirang, rel gari tarina aro dislai bikoprang ,leka rakgiparang jakkalspa bosturang aro gipinrangoniko asongchakanirangko tarina songo/skulo/noko dingtang dingtang jatni/ a-songni/samtangtangko rakkianina manianirangko maniano bak ra-na, jekai; pringo/ jinma skulo tomrimanio/ kae mesokanio (exhibition) Diwali-o/ Onam-o aro eart day, Id uandake gipin manianirang jekai chrokani, chrokmesaani, tamasa dakani , dingtang dake seani ( jekai dia (diya)/ rangoli/lekka do-reng tariani/chugipa nokrangko /dolongrangko rikanina chone tarigimin bimangrang (models) uandakgiparangni aro u-igiminrangko golpo seanirangchi, poedo seanirangchi, slogan-rangchi, ong-a obosta talate report seanirangchi parakgrikna aro gipin dingtang namnamgipa ka-anirangko ka-na
- noksarangko, postalrangko, signboard-rangko, kitaprangko, knaatna-nikatna mangipa bosturangko (audio-video), dangtapna man-gipa bostuko/ tang-doa gita dake nikatgipa bostuko (raised material)/ songbadoniko rate tapanirangko, golporangko/ poedorangko, internet-o man-gipa seanirangko, documentary-rangko, library-oniko sandina/ poraina aro textbook-na agreba gipin seanirangko jakkalna
- ma-a paarang,skigiparang, troskarang aro dal-batgiparantoniko sing-e-sane, uamang baksa noko,skulo aro songsaro, bosturangko indin galaniko komiatna aro galgimin bosturangko jakkalpil-taianio, jinmani songni nokni bosturangko simsake ka-sae

- nokdango, skulo, songsul-noksulo, obosta ong-anirang jekai apsan apsan onganirang (an-tangni nangnikanigita baseani, ong-gniko chanchiani, neng-nikanirangko namatani),basetee jakkalani jekai MDM سوالانئو, chi aro jinmani biapko jakkalanio, jinma cha-rimanio aro bi-sarangni bilrangni (skul napanio, bi-sarangko kragija jakkalani, sasti on-ani, drae kam ka-atani) gimin an-tangtangni chanchiatangko aro u-iatangko agan-janape mesoka.
- rongtal-an-tale dongna, bosturangko nangagitasan jakkalna, jakkalpil-na, jakkaltaitaina, sambolrangko, matburunrangko, bilsil brigimin aro be-enni gita bilgrigipa manderangna aro mandena dakchakaniko on-gipa chi, cha-ani aro sorkarini bosturangna simsakchina aro ka-sachina gipinrangna cholrangko agane on-a.





jakkalania,matburunrangna ka·sae  
dakania,chiko simsakania, aro an·seng  
baljokanina,rongtal an·talanio bi·sarangna  
ong·a obostarangni gimin agan-chanrimna aro  
gisik gnange chanchie nipiltaianiko dakna

- sualgrikgimin kam ba kal·grikanirango,  
me·chikrang baditana kingking bak ra·paa  
uarangko sing·e·sane nina, mande jinmarangni  
jakkalronggipa biaprangko badita  
bi·sarang/manderang (be·en ba gisikni  
bilgriani gnanggipa manderang/komigipa  
jatrang/budepa buchumarang) jakkalronga  
uarangko sandie nina
- jinma apsan kam ka·anichi gipinrangna  
simsakna, sakgipinrangko  
ma·sichakgrikna, jinmako dilna, bimchipe  
bak ra·na aro dakdilna, jekai dingtang  
dingtang nokningo/a·palo/wilwilao,  
somaini kri kamrangko ka·na ba  
kal·anirango kal·dilna, gipin ka·gni  
kamrangko ka·dilani (projects), dakdil  
ka·dilani, jekai sam bolrangna simsakani,  
aro bosturangna simsakani, do·orangna  
/matburunrangna adal on·ani aro gisik  
be·en komigiparangna simsakaniko on·na



## Klass-V (EVS)

Skie On·ani Cholrang	Skie Ra·giminrang
<p><b>Skie ra·enggiparangna saksan/sakgni gni/dolprak prak dake skie ra·na cholrangko on·na nanga aro ka·mao mesokatenggiparangko didina nanga:</b></p> <p>Skie ra·giparangna (jora/jinma/an·tangari) dingang dingtang cholrangko mesoke on·gen aro didianiko on·gen</p> <ul style="list-style-type: none"> <li>• Matburunrangni dingtangmancha aro nikrongijagipa nik·ani, gingsikani, nik·ani, tu·siani aro uamangni teng·ana, ding·ana, gam·ana aro uandake gipinrangna ra·chaka ba ku·chakaniko nirike aro sandie ma·sie ra·na chol on·gen.</li> <li>• Chiring chibisikni nakataniko ba ong·ba·aniko wilwilaoniko sandina chol on·gen, aro maikai bite ongba·a, mesurang, mi misirang, chirangko nokona sokata aro maidakgipa jakkalanirangko jakkale mi misiko attaona aro attako roti ona ongata, maikai chiko rongtalata aro uandake gipinrang.</li> <li>• An·tangtangni u·ie ra·giminrangko aro chimonge dongimin ui·anirangko ba ripengska, skigipa aro dalbatgiparangming niggimin biaprangko talate ba agangrike on·na gita cholko on·gen.</li> <li>• Ge·sa biaponi ge·gipinona maidake sok·gen una rama tarie mesokna gita man·gen.</li> <li>• Matburunrang jemangon blongen matsramgipa kna·ani, gingsikani aro nikani uiani donga, dingtang dingtang a·ani bimangrang jekai a·kawe(plain), a·bri(hill), a·gisirang aro gipinrang ni gimin noksarangniko/dalbatgiparangniko/lekkarangniko/s ongbadrangniko/ megejinrangniko/web rangniko/chimongram biaprangoniko(museum) aro uandake gipinrangni aro sambolrang·matburunrangni rokkomrangko, manderangni indakgipa biaprango songdonggiparangni janggi tanganirangko u·ie chimonge don·na chol on·gen.</li> <li>• Skigiparangmin aro dalbatgiparangming uamngni janggi tangani, cah·ani, dongchakram, chi chuonge mana, janggi tangani cholrang, somoini kri, biapni kri dak·a rik·ani bewalrang ko noksarangoniko, chimongram biaprangoniko(museum) chi re·e u·ie ma·sie chimonge ra·e ma·sibatna ba talbatatna apsan chanchigrikna cholko on·gen.</li> <li>• Petrol pumprangchi re·e ni·e, ongtelaigipa agilsako donggiparangko u·i ma·si rachakram biaprangchi re·e(nature centre), science park rangchi, chi chekchakram biap(water treatment plant), bank, health centre, wildlife sanctuaries, cooperative, gisik ra·na rikgimin biap(monument), chimongram(museum), aro man·a ongode chel·a biaprangchi dingtang dingtang a·ani bimangrang, janggi tangani bewalrang, aro uandake gipinrangko ni·e ma·sie ra·na ato uno songdonggipa manderangming belbele, antangtangni ma·sianirangko dingtang dingtang cholrangchi parake on·na gita cholon·gen.</li> <li>• Ong·telaigipa ong·anirangko(phenomenon) jekai maidake chi biba chadoa(how water evaporates),tin·kaa(condenses)aro maidake dingtang dingtang bosturang dingtang dingtang pangchakani ba obostao jrongatako man·a, aro</li> </ul>	<p><b>Skie ra·enggipa:</b></p> <ul style="list-style-type: none"> <li>• matburunrangni dingtanggipa u·iani bilrang, nikrongijagipa bimangrang (nikani, biba man·ani, knaani, tusiani, gam·ani aro uandakgiparang) aro uamangni teng·anina, gam·anina, cha·anina aganchakanirangko talata</li> <li>• salantio janggi tanganio gitalgipa bosturangko jakkalaniko aro nangchongmotgipa bosturang jedake cha·ani, chi aro uandakgiparangko man·ani cholrang (jekai a·bao cha·ani bosturangko ge·ani, chong·motan mi·misirangoniko rutiko tariani, uarangko mikkangchina simsake donani cholrang aro chiring·chibisikrangko name simsake donaniko talata.</li> <li>• matburunrang, sambolrang, aro manderangni pangchakgrike donganiko talata (<i>jekai matburingrango pangchake janggi tangani cholko dakgipa manderang, bitchilrangni giprooangani aro uandake</i>)</li> <li>• dingtang dingtang institute·rangni salantini kamrang aro kam ka·anirangko talata (jekai bank, panchayat, cooperatives, police station aro uandakgiparangni gimin).</li> <li>• a·ani rokom, sin·a·ding·ani, gam·jin (cha·ani, chi, dongchakani, janggi tangani chol) aro songsalo janggitangrangni nangrimgrikaniko tik ka·e dona (jekai chel·begipa/ neng·nikgipa biaprango chong·motan ding·gipa/ ka·singipa a·gisirango janggi tangani )</li> <li>• bosturang, tarigimin bosturang, daka·rikanirangko uarangni bimangrangko/ gunrangko jedake bimang, su·ua ba su·ugijani, rong, rinokani ba skakani, gam·ani, bewalrangni kri tok daka</li> <li>• skangni aro da·oni karongbewal, jatni daka·rikanirang, ragate jakkalani budirangni (techniques) dingtanganirangko tangka bisilrang, rongchi salgimin noksarang, gamchatgipa ripinge rakkigipa rikanirang, gamchatgipa bosturangko chimongram sandia (jekai ge·a gamani, ripingani, manianirang, ganding·chindingrang, re·a·doani cholrang, bosturang/jakkalani bosturang, kamrang, nokrang/dal·gipa nokrang, song·a·chanani, cha·ani kam ka·ani bewalrang).</li> <li>• bostuni gunrang, ong·telaigipa obostarangni gimin chanchichipa, bang·a·bang·gijako ba</li> </ul>

<p>maidake chaani nosto ong-a, maidake bitchil bimik nabaa aro bipangni badia bakgita ja-dil, bi-mik na-a uarangko nik-e ni-e, an-tangni u-igiminko aro altubegipa dakmesokanirangko dake nianichi uarangko masina chol on-gen.</p> <ul style="list-style-type: none"> <li>• Altugipa dak-e nianirangchi bosturangni/bitchilrangni/chi/indin kamgri bosturangni aro uandake gipin bosturangni dingtanganiko sandie ni-na chol on-gen.</li> <li>• Wilwilako ni-e nik-e, aro maidake bitchil ge-sa biaponi ge-gipinona sok-a, maidake sam-bolrang darang gejaoba mitam biaprango an-tangari cha-na man-a uarangko nam-e dak-e sandie masie ra-na gita man-gen, jekai., burunrang(forest), sawa uarangna chi ru-e dalata aro uarangara sani ong-a.</li> <li>• Songregiparangni ma-chakram ba waltuchakram baiprangchi, tambu pin-e donggiparangni baiprangchi, budepa-buchuma rangko ma-chakram baiprangchi re-ange ni-e aro uamangming aro gisikni aro beenni bilgrigiparangming(differently abled) agangrike-sawarang uamangni janggi tangani gadangrangko dingtangataha uarangko masie ra-na, manderang baoni ba maina antangtangni dongchakram biapko wate katachim uarangko ma-sina, uamangni magitcham pagitchamrang bano songdong acha-achim, manderangni ge-sa oni ge-gipin biapona katani ja-pangko aro uandakgipa wilwilao ong-anirangko a-gan talatanichi u-ie ra-na chol on-gen.</li> <li>• Nokni ma-a-parangchi ba songsarko dilgiparangchi-skigiparang/ripengskarang aro dalbatgiparangchi bisrangni noko, skulo aro sepango donggiparangni bidingo uamangni ni-e dong-e ma-sie ragiminrangko nam-e chanchianichi aro singsandianochi tal-bate nam-e ma-sie ra-na chol on-gen.</li> <li>• Ripengskarangming, skigiparangming and dalbatgiparangming gi-siko sanaba chakani ba sakoba nam-nikgijanirangko(biases), an-tang indin ma-sichengija chanchipanirangko(prejudice) saksa sakgipinna mesokanirangchi(examples) maming champengna ken-nani gri a-gan griknacholko on-gen.</li> <li>• Wilwilao donggipa kam ka-chakram baiprangchi re-angna chol on-gen. jekai., bank, jal board aro sagiparangko dongipa biap(hospital) aro disaster management body rangchi reange uno kam kagipa manderangming bel-bele aro uarangni bidingo se-e dongimin rangko pe-e poraina chol on-gen.</li> <li>• Dingtang dingtang a-ani bak rangko aro ua biaprango janggi gnanggiparangni donganiko, ski-e raram baiprangko jerangan songsarni nanganina dakchaka, matburunrangni bewalrangko, chi chuonggijaniko ba china dil-anirangko, aro uan dake gipinrangko videos ni-anirangchi ma-sie ra-na chol on-gen. Uniko-a uarangni gamchataniko aro dingtang dingtang biaprango dake rike cha-ani</li> </ul>	<p>chel-a-chel-gijako (chel-grikani, apalani, chakani, jrimani aro uandakgiparang) aro somaiko ramram dake chananirangko hisapa aro uarangko ramram jakkalani bosturangchi toe nia. (jekai balboani/ napsrimani/ brinani/ biba chadoani/ bimik nabaani/ soangani/ rang-sitani/ su-ua ba su-ugijani)</p> <ul style="list-style-type: none"> <li>• nie ma-sigiminrangko/ u-igiminrangko/ u-iatanirangko (jekai tebilrango/ ramram salanirango/ bar graph-rango/ pie chart-rango) sulsul sea aro pattern-rangko daka-kaanirangchi/ ong-telaigipa obostarangchi (jekai balboani/ napsrimani/ brinani/ biba chadoani/ bimik nabaani/ soangani/) a-selni ja-pang aro biteni nangrimaniko mesokna agansoa</li> <li>• chinrang, direction-rang, dingtang dingtang bosturangni dongani/ badia song ba gittimni chin/ nikgimin baiprangko meprangoniko mesoka aro dingtang dingtang baiprangko bachipak donga uko mesoka</li> <li>• songo-noko man-gipa bosturang/ jakkalspa bosturangko jakkale poster-rang, design-rang, model-rang, rikanirang, songo-noko tarigimin kap-perisrang tala-batirang, ramram salanirang, meprang (songni/ nikgimin baiprangni) jakkalspa aro songo altaue man-na amgipa bosturangchi taria aro poedorang/ slogan-rang/ baiprangko nianina dilani lekkarangko sea</li> <li>• songni nokni neng-nikanirango an-tangtangni chanchianirangko on-paa (jekai basetee onchepe ra-ani, bosturangko a-kangani, apjitani/ alok galani, bi-sarangni bilrang)</li> <li>• rongtal-an-talani, an-seng-baljokani, jabolrangrangko simsake donani, obosta/nanggitika somoirang aro gam-jinrangko (a-a, anaingni torang, buring bolgrimrang) name rakkianina cholrangko mesoke ba agane on-a aro beenni aro gisikni bilgrigipa/ jat komigipa manderangna simsakaniko mesoka.</li> </ul>
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<p>gimin agan chanchigrikna chol on·gen.</p> <ul style="list-style-type: none"> <li>• Altua dakanirangko dake nina, aro nik·e u·igimin rangko se·e don·na –table/sketch/bar graph/ pie chart/oral/written forms, aro sandie man·giminko pe·skana chol on·gen.</li> <li>• Janggi gnang giparang (sambolrang aro matburunrang)ni a·gilsanigita uamangni a·gilsako dongna man·na nangni niamrang(rights) aro matburunrangko nam·e jakkalani bidingo a·gan chan chanchigrikna chol man·gen.</li> <li>• Mandreangni jinmani namgnina on·kange kam ka·ani rangko aro uamangko maia ba sawa indake kam ka·na gita didianirangko on·na uarangko agan parake on·gen.</li> <li>• Manderangna ka·sana, uamangna u·ichakna ma·sichakna aro jinmani kamrangko an·tangari jak·o ra·e ka·dilna cholrangko mesokgen. Jekai., dingtang dingtang a·palo/ninga·o/local/ contemporary activitiesrangko dakdilna/ role play·do·orang/matburunrangna adal on·na/bosturang/dalbatgiparang/been bi·mangni gita bilgrigipa manderangna ka·sana.</li> <li>• Gitik gitdak rangsan on·na amgipa obostarangko(disaster) champengsona tarisamsona gita mock drillrangko ong·atgen.</li> </ul>	
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## **Dintangmancha nangani gnunggipa bisarangna ( EVS & Science)**

Samtangtango donggiparangni gimin skie ra·ani (EVS) aro Scienceko skie ra·anio, mitam chatro-chatrirangde daka-ka·anirango ba gipin kamrango jerangko barangao aro nokningo dakachim, uarango bak ra·naba dakdap-kadapna sapanirangchi dakchakaniko on·na nangnaba gnung. Chatro-chatrirang ra·srogimin ba bodolgrikna man·gipa ka·gnirang, ra·srogipa bostu, ICTko jakkalani, bilsok-jaksokgimin ba chasongska-tro gandani dakchakani, ra·dapgipa somai (additional time) aro skigni bakrango dakchakani jean bi·sarangna uamangni be·en aro gisikni gita chu·ongpagijani a·sel jaksokjachim, iarangko jakkalanichi bi·sarang namgniko man·a. Ka·mao janapgimin mitam dintangman·cha nangtegipa nanganirangna simsakdapaniko ra·na man·a.

### **Nikani chu·onggijagipa bi·sarangna**

- Nikna man·gijagipa aro rakgipa bimang ba chanchianirang
- Dintangtang man·cha be·enni gita naljokaniko nanggipa, dake-ka·e mesokanirang,
- Bang·a somaiko Nangani
- Nikna man·anirangko on·na man·anirang jedake blackboard, maikai ong·a uko kamchi dake-mesokanirang, tarigimin noksarang aro bimangrangko jakkale agan-mesokanirang

### **Knaani chu·onggijagipa bi·sarangna**

Dangtapna ba nikna man·gijagipa kattarang aro dangtapna aro nikna man·gijagipa bimangrangni, u·i·ma·siani, gisikni chol butirangni; (science·ni bimangrang jekai salni somaio maikai tangsekgipa sambolrang cha·aniko tariani, dongchak·ma·chakani, mikronchi nikna man·gijagipa janngi gnunggipa jo·ongrangni uandake, jerangkon bi·sarang nika·niani ba mesokanirang gri agan· talatanio u·ina·ma·sirikna neng·achim indakgiprangko) iarangni gisepo nangrimgrikaniko u·i·ma·siatani;

- Maikai ong·baa aro daka uarango dake ka·e mesokanirang (experiments)
- Mingsasan bakna (one dimension) batgipa neng·nikanirangko ka·e namatnani; jekai bang·a mitapgipa bimangrango pangchakgipa bosturangko tosusaani jedake rasi, badita dal·a chona (size), maidakgipa bimang (shape), rong, iarangko mingsasan bimang (dimension) jeon chona ba dal·ani bimangsan dongaia, uko tosusagipa baksa nigrikode, u·ina·ma·sina rakgipa ong·naba man·a.

### **Apale chanchibewalna man·gijagipa aro chanchiani bilgrigipa bi·sarangna**

- Scienceni bidingo jakkalgipa kusikko u·i·ma·siani
- Bimangrangni gisepo orto gnunggipa nangrimaniko noksa salani [ jekai sinjetani bil (pressure) aro bilni (force) gisepo nangrimanirang]
- Tarisamsoani, tiktak damsan donani, sulsul donani aro agangopani
- Nikna man·gijagipa ba dangtapna man·gijagipa bimangrangko u·i·ma·siani
- Scienceni bidingo dake-ka·e mesokaniko dakdil·ka·dilani

## ELEMENTARY LEVEL -O HINDI KU'SIKKO SKIE RANA MANANIRANG

### Aganchengani-

Bi-sarang dingtang dingtang u-ianirang gnang skulona re-baa jekai, man-gimin ku-tang, a-gilsakni gimin dingtang dingtang nike nie u-ie ma-sianirang. Bi-sarang an-tangtangni nokdang aro wilwilaoni je nie nike ma-sianirang baksa skulona rebaa uan uamangni chanchianirangko namdaproroatna dakchaka. Ia nie nike ma-sianirangko aro man-gimin ku-tangko uamangni skie ra-anio chongmotan skie on-anio jakkalskana nanga. Skanggipa changna skulona re-baenggipa bi-sa kattarangni ortorangko aro kattarangko jakkalaniko u-igimin ong-a. Seanirangna jakkalgipa chinrang aro uni gam-anirangan bi-sarangna mongsongbatgipa ong-a, uni gimin orto gnanggipa skie onani cholrangchi (pedagogical processes) miksongani gnang skina a-bachengna nanga. Ia skie on-ani cholrangchi bi-sarangko kusi ong-e knatimatna aro skie ra-atna man-a. Ka-sne - ka-sne bi-sarangna ku-siktangchi seaniko skie onaniara jamano samtangtango/wilwilao seanirangko poraie u-ina skaniko ong-atna man-a. Ku-sikko skie ra-anian bi-sarangna mongsongbatgipa u-ie ra-ani ong-a, jechin bi-sarang a-gilsakni gimin an-tangtangni ui - ma-sianiko mangrakbatatna man-a. Bi-sarangko drae skianichi ongija indiba uamangni chanchiani aro uie ra-na nangnikani kri skie ra-anichisa u-ianiko mangrakbatatna man-a. Uni gimin bi-sarangna kragipa namgipa skie ra-ani samtangtango (learning environment) nanga jeon uamang mamungba champengani gri an-tangtangni nangnikani kri sandirikite nina man-gen. Ia u-ina skani bi-sarangni ku-sikko man-dapanio namgipa ranta ong-a. Skulona re-baon bi-sarang bang-bata changon an-tangni chanchianirangko parake aganna kenronga maina je ku-sikchi uamang u-ibagimin gita an-tangni nangnikaniko, chanchianiko, skaniko aganna gita skengachim uako bang-bata changrangon skulo chu-ongnikrongja. Skulo bi-sarang dingtang dingtang ku-sikko aganenggipa nokdangrangoni ong-ani gimin, nigope uarango pangchake skianiko dakna nanga. Klaso uamangni agananirangko ra-chakgijaniara uamangko jegalani gita ong-a. A-bachenggipa gadango (Elementary level) ku-sikko skiani - skie ra-anian mingsa mongsongbatgipa ong-a maina bi-sarangni dingtang dingtang rokomrangni gimin u-igiminrang aro u-ikugijao pangchake, uni kri kattarangko jakkalna man-gen. Bi-sarang ni u-ibagimin gita, gisiko chanchichipani, chanchie aganna/dakna changani aro kattarangko jakkalani bewalrangko rokom - dake seanio jakkalna man-gen. Uamang u-ibagimin gita, gisiko chanchichipani, chanchie aganna ba dakna changani aro kattarangko jakkalani bewalrangko rokom rokom dake seanio jakkalna man-gen. Poraiani, knatimani, seani, aganani- ia mingbri changa-sapanirang uamangni u-isogimin kattarangni ortorangko chanchina aro aganatenggipa kattarangni ortorangko ta-rake u-ina man-gen. Ku-sikko skiani namgniara poraianio rakbate kam ka-anichi ki-tapko poraina man-asan ong-a, indiba namgipa bewalrangni gimin skie ra-ani mingsa cholba ong-a. Poraiani, poraie u-iani/chanchiani aro dingtanganiko ra-baonian mingsa namgipa dakbewal ong-a. Minggipin kattachi, indake aganna man-gen je poraianio mingsa mangrakbatgipa orto gnanggipa dakbewal ong-a. Indakeba agana man-gen chongmotan ortoko nambate masina ma-na gita chapa ka-gimin seanirangko poraie ortoko chanchipe u-ina jotton ka-na man-a. An-ching badiaba kitapko poraiengmitingon badiaba bakko uipilna nangnikode uko poraipiltaia. Indake poraipiltaianiara ortoko namedake ma-sina dakchaka. Poraimitingo, kattarangni ortorangko ma-siania nangchongmotgipa ong-a maina sentenceo kattarangni miksonganiara ua sentenceko poraianiosan ong-a, indiba chu-gimik lessonko poraianio uni donmitapgimin ortoko namedake ma-sina dakchaka. Poraina jakkalgnirang (reading aids) nambatsranggipa seanirangko u-ie ortorangko uibatna dakchaka.

Seani mingsa orto gnanggipa dakbewal ong-na man-gen, jensalo bisa antangni kusiktangchi chanchichipe uianikko jakgitele sena man-na. Skigiparangni blackboardo seanikoson ong-aigija, bisarang an-tangtangba nangnikani kri ba changani kri uamangna sena cholko ra-na nanga. Skie ra-anio poraina-sena changani aro lessonrangko poraie ma-sie uano donggipa sing-anirangko aganchakna manaianisan



mongsongbatgipa miksongani ongaija, indiba uamang salantio an-tangtangni janggi tanganio dingtang dingtang nanganirangna poraie u-ian baksa uaranko jakkalna changgen. Poraina sena skiani bewalo dingtang dingtang miksonganirangna poraiani aro seani bewalrango dingtanggrikani donga ine u-ie ra-na nanga. An-chingni poraiani miksonganiara maia, uarang poraiani bewalo pangchaka. Parakataniko (advertisement) aro ui-atani (notice) ko poraiani bewalrango dingtanggrikani donga. Seaniko seengon sawa poraigen aro sana seenga ian mongsongbatgipa bak ong-a. An-ching skulo kal-susaaniko ong-atna u-iataniko(notice) seode, ian skulni bi-sarang, skigiparang aro uno kam ka-giparangsang ong-aigen. Indiba ia apsan u-iataniko (notice) songsarna(community) aro bi-sarangko nirok sandigiparangna (guardian) on-ode, iako poraisogipa mande pilakan re-batokgnok. Uni gimin seanirangko dakmitingo dingtang dingtang kragipa katta rangko jakkale chanchie sena nanga. Skulni notice boardo skulni manianirangni gimin uiataniko on-genchimode nangni mongsongbate poraie nina nanganiara iarang onngen jekai-maniani basako, bano ong-atenga, somoi aro uandaken. Na-a badiaba golpoko poraiode uni mongsongbatgipa ong-a obostarangni gimin chanchigenchim, jekai, golpoo maidake indake ong-a, indake ong-jaode golpoara mai ong-genchim aro uandaken. An-ching poraianio aro seanio nangnikani kri apalbate poraina aro sena man-a.

Elementary gadango bi-sarang uamangni skie ra-anio chanchianirangko namdapanina sing-anirangko sing-na man-a aro an-tangtangni u-i ma-si giminko aganpana ka-dongani ngang. Bi-sarangni ku-sik aganachi uamang baditana kingking ma-sia uko u-ina man-a. Bi-sarangna Grammarni gimin name u-iatna, uni dingtang dingtang bakrangko ki-tapo pangchake aro wilwilaoniko ra-dape u-iatna nanga. Ku-sikni gimin name u-iate kattarangko tiktak ong-e jakkalani gimin bi-sarangna u-iatna nanga. Ku-sikko skie on-anio kragipa nangipa skie ra-ani samtangtango aro pangchake nigrike nangani kri ge-sa gadango (klaso) skiani bewalko ge-gipin gadangoba jakkalna man-a. Gadangni kri gisiko nangatgipa lessonrangko basee skina nanga, jechin bi-sarango hindi ku-sikni dingtang dingtang seani bewalrango u-iatna aro uaranko nambate jakkalani cholko mesoke on-na man-gen. Ku-sikko skie ra-anio mingbri nangchongmotgipa man-na nanggnirang jekai—knaani, aganani, poraiani, seani jerangan mingsa minggipin baksa nangrimrika aro mingsa minggipinko namdapatna dakchaka, bi-sarangko gisiko nangatna segimin ki-tapangan (children's literature) mongsonggipa ong-a. Iarangko dingtang dake nina nangja. Iano iako u-ie ra-na nangchongmota je hindi ku-sikni gimin skie ra-na nanggnirango on-gipa bakrang ge-sa ge-gipin baksa nangrimrika aro ku-sikni gunrangko nikna man-a. Badiaba seanirango, knae ba poraie uani gimin ning-tue agan-chanchiani, an-tangtangni chanchianiko seachi parakani, sing-anirangko aro knae agananikoba man-gopa. Ia gimikko man-gope skie ra-na man-a ka-dongsonganirangko kamao mesokatenga. Ia skie ra-aniko man-na ka-dongsoanirang (curricular expectations) mongsongbatgipa bak ong-enga. Ia skie ra-aniko man-a ka-dongsoani gri nama biteko man-na amjawa.

Skie ra-na man-a ka-dongsonganirang -

Skie ra-na man-a ka-dongsonganirangko a-song gimikni bi-sarangna chanchie, 1<sup>st</sup> Language aro IInd Language-ni bako hindi ku-sikko poraigiparangna tariaha.

Klas I oni V-ona

- Sakgipinni agananirangko gisiko nange knatimna.
- An-tangni chanchichepe u-ianirangko seachi parakna.
- Dingtang dingtang poraiani bakrang pangchake an-tangni kattarangchi aganna jotton ka-na. (aganachi/mesokachi/chinko jakkalachi/noksa salachi)
- Gadangni kri, golpo, poedo aro gipinrangko gisik nange knatimna aro mingpana.
- Nigginim knagimin aro poraigiminrangni gimin chanchie an-tangni u-iani gita kandike aganachi aro seachi mesokna.
- Poraigimin golpo aro poedoarangko ma-sigiminoniko chanchie on-dape sena man-na.



- Gadangni kri golpo ba poedo ba chanchianiko obostani gimin chanchina cholko on-na.
- Seani oikorrangko nike uarangni gam-aniko u-ie sena jotton ka-na.
- Noksaoniko nie aro agangiminrango pangchake chanchie poraina.
- Poraina man-aniko salantini janggi tangnio, skulo ba a-palo nangnikani kri jakkalna jekai—klas aro skulo bimungtangko sena, an-tangni namnikgipa ki-tapko poraina.
- Poraigimin, knagiminranganiko aganpana aro sena.
- Noksarangchi an-tangni chanchiako parakna.
- Library aro dingtang dingtang poraie rona dongimin biaprangoniko (reading corner, dingtang dingtang bosturangni kadepgipa, bi-sarangko gisiko nangatna segimin ki-taprang, chinchi mesokani, braille seani, aro uandake) an-tangni namnikgipa ki-taprangko sandie poraina.
- Dingtang dingtang lessonrangni miksonganiko sena.
- Gisikoniko chanchichipe golpo ba poedoko sena.
- Dingtang dingtang chinrangko tiktak biaprango jakkalna.
- Seani miksongani kri, kattarangko basee sentenceo jakkalna.
- Gitalgipa kattarangko noksa gnanggipa/dictionary-oniko sandina.
- Kattarangko ma-sie uko tiktak biaprango on-dape jakkalna.
- Noko agangipa aro skulo jakkalgipa ku-sikrangni nangrimaniko u-ina.





## Klas I Hindi

Skie On·ani Cholrang	Skie Ra·giminrang
<p><b>Skie ra·engqiparagna saksan/sakgni gni/dolprak prak dake skie ra·na cholrangko on·na nanga aro ka·mao mesokatengqiparanko didina nanga:</b></p> <ul style="list-style-type: none"> <li>• an·tangni ku·tangchi jakgitele golpo agangrikna chu·gimik cholko on·na aro didina.</li> <li>• bisarang dingtang dingtang ku·sikrangko jakkalgenchimoba ua kusikrangko hindi aro gipin kusikrangona peskae agana gita klaso cholko on·na. Iako dakanichi pilak kusikrangna dalnikaniko on·gen aro ua chimonggimin kattarangko klaso jakkalpilna man·gen.</li> <li>• golpo, poedo aro gipin mingatani cholrang on·e aro uarangni gimin agangrikna cholko on·a.</li> <li>• hindi ku·sikchi knagimin kattarang, poedorang, kal·anio ringgipa gitrang, golpo aro uandakgiparanko an·tangni changa gita aro an·tangni ku·sikchi aganna·knatimna cholko on·na.</li> <li>• sing·aniranko sing·e an·tangni kattarangko on·dapna cholko on·a</li> <li>• klas ba skulo ki·tap donramo (Library) man·ani kri dingtang dingtang rokok ba ku·sikrangchi segipa ki·taprang, (bi·sarangni an·tangni ku·sikchi/hindi aro uandake) gisiko nangatgipa seanirang, jekai, bi·sarangna segimin lekkrang, salgimin noksarang, knana aro nikna man·gipa jakkalanirang (audio visual aids), braille ki·taprang, be·en aro gisik bilgrigipa bi·sarangna dal·dal·gipa oikorrangchi segimin jakkalaniranko on·na.</li> <li>• rokkom rokkom golporang, noksachi mesokgipa poedoranko chanchie poraina cholko on·na.</li> <li>• golpoko poraie golpoo mai ong·a obostarngko sandirikkite, nigrike aro chanchiate an·tangni salantini janggi tanganio ong·a obostarngko nangrimate tiktak donna.</li> <li>• knagimin niggimin agangrikaniranko an·tangni changa gita sena cholko on·na.</li> <li>• bi·sarang oikorrangni bimangrangko nitoe sena changjaoba uamangni jedake seaniko ra·chakna.</li> <li>• bi·sarangni banan sena man·ania, ku·sikko skie ra·anina bak mingsa ong·a ine u·iatna.</li> </ul>	<p><b>Skie ra·enggipa:</b></p> <ul style="list-style-type: none"> <li>• ku·siktangtangchi aro skulo aganna jakkalgipa ku·sikchi an·tangtangni miksonganiranko agangrikanio jakkala, jekai· poedo, golpo aganna, u·ie ra·anina singanirang, an·tangtangni ma·sianiranko agana.</li> <li>• knabaman·giminoniko (golpo, poedo aro uandake) an·tangni chanchianiranko agana aro sing·aniranko sing·a.</li> <li>• ku·siktangchi ring·anirang aro katta rike kal·aniranko kal·a, jekai - Dimsisa nasisa mikka rata garata anda manda kanda.</li> <li>• segimin ba chapa ka·gimin aro chapa ka·kugijagipa jekai; salgimin noksa ba chong·mot dake niggipa noksako dingtanggrikata.</li> <li>• mesokenggipa noksarangoniko niksenggipa aro niksenggijagipa bakrangko che·em. che·em name nie ra·a.</li> <li>• noksarangko ong·a obostarangni kri sulsul tarie golporanko sea aro an·tangtangni seaniko namnika.</li> <li>• poraigimin golpo, poedorang aro uandake seani chinrangko/kattarangko/sentenceranko nie uarangni gam·aniranko knatime u·ina aro ma·sina man·a.</li> <li>• wilwilao chapa ka·gimin seanirango orto aro miksonganiko chanchina aro poraina man·a, jekai - chocolate/lollipop·ni biklapo seaniko nike uko mingna man·a.</li> <li>• segimin ba chapa ka·gimin oikorrang, kattarang aro sentencerangni bakrangko ma·sia. Jekai; “Angni bimung Silchi ong·a.” Ia seaniko bano nika? Aganbo: Ia seanio ‘bimung’ bano? Bimungko jaksi ote mesoka.</li> <li>• u·igimin/u·ikugijagipa seaniranko dakna (jekai Mid·Day Meal ni chart, an·tangni bimung, klas·ni bimung, namnikbatgipa ki·tapni bimung aro uandake) gisik nange mesoka. Agangrikna aro ortorangko sandina dingtang dingtang cholrangko jakkala. Jekai·noksarangko nianichi chanchipa, oikorrangni gam·aniranko jakkala, kattarangko u·ie ma·sigiminoniko chanchichipe aganna man·a.</li> <li>• hindi oikorrangni bimangrang aro gam·aniko u·ia.</li> <li>• skulni a·palo aro ning·o ki·tap donramoniko an·tangni namnikgipa ki·tapko ra·ongkate poraina jotton ka·a.</li> <li>• sena skiani bidingo an·tangko noksarangni gita gongge·gongdang seani oikorrangni bimangrangko an·tang banan ka·e (invented spelling) aro an·tang u·ie seani (convensional writing) chi knagimin aro chanchianiranko</li> </ul>



	<p>an·tangari sena jotton ka·a.</p> <ul style="list-style-type: none"> <li>• an·tangni salgimin noksarangni bimungranko sea (labelling) jekai; Jakni noksako sale uni ka·mao 'Jak' ine sea.</li> </ul>
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## Klas II (Hindi)

Skie On-ani Cholrang	Skie Ra-giminrang
<p><b>Skie ra-enggiparangna saksan/sakgni gni/dolprak prak dake skie ra-na cholrangko on-na nanga aro ka-mao mesokatenggiparangko didina nanga:</b></p> <ul style="list-style-type: none"> <li>• an-tangtangni ku-tangchi agan- golpogrikna chu-gimik jakgitele cholko on-na.</li> <li>• hindichi golpo poedorangko an-tangni knagiminrangoniko an-tangni changa gita ku-siktangchi agane -knaate/singaniko singna aro an-tangni kattarangko on-dapna cholko on-na.</li> <li>• bisarang dingtang dingtang ku-sikrangko jakkalgenchimoba ua kusikrangko hindi aro gipin kusikrangona peskae agana gita klaso cholko on-na. Iako dakanichi pilak kusikrangna dalnikaniko on-na aro ua chimonggimin kattarangko klaso jakkalpile namdapatna cholko on-na.</li> <li>• klas ba skulo ki-tap donramo (Library) man-ani kri dingtang dingtang rokom ba ku-sikrangchi segipa ki-taprang, (bi-sarangni an-tangni ku-sikchi/hindi aro uandake) gisiko nangatgipa seanirang, jekai, bi-sarangna segimin lekkrang, salgimin noksarang, knana aro nikna man-gipa jakkalanirangko (audio visual aids), on-na.</li> <li>• noksarangko nie chanchichipe, dingtang dingtang golporangko poedorangko poraina cholko on-a.</li> <li>• golpoko poraie golpoo mai ong-a obostarngko sandirikkite, nigrike aro chanchiate an-tangni chanchianiko on-dape, aro golpoo donggiparangni gimin an-tangni namnika ba namnikgijaniko aganna man-na.</li> <li>• golpo, poedo-ko poraie agan-chanchigrikna cholko on-na.</li> <li>• knagimin nkgimin agangrikanirangko an-tangni changa gita noksa salachi ba sentence ba kattarangchi sena cholko on-na.</li> <li>• bi-sarangni oikorrangni bimangrangko sena changbaaniko ra-chakna aro klaso didina .</li> <li>• bi-sarangni banan sena man-ania, ku-sikko skie ra-anina bak mingsa ong-a ine u-iatna.</li> <li>• ki-tapni miksonganio pangchake jakkalgipa</li> </ul>	<p><b>Skie ra-enggipa:</b></p> <ul style="list-style-type: none"> <li>• ku-siktangtangchi aro skulo aganna jakkalgipa ku-sikchi an-tangtangni miksonganirangko aro chanchianirangko agangrikanio jakkala. jekai-u-ie ra-anina singanirang aro an-tangtangni ma-sianirangko agana.</li> <li>• agangimin kattarangko, poedo aro golporangko gisik nange knatime an-tangni ku-siktangchi agangen/knatimatgen.</li> <li>• nkgimin, knagimin poedo, golpo aro uan dakgiparangni gimin an-tangni chanchianiko agangen.</li> <li>• an-tangni janggi tanganio aro samtangtango pangchake chanchianiko agangrikanio on-dape jakkalgen. Jekai-golpo, poedo poster parakatani</li> <li>• ku-siktangchi ring-e kal-anirango katta ma-rapgiparangko on-dape katta rikgen jekai-anga bi-sa chonenga, ka-sanisan ong-enga.....</li> <li>• an-tangtangni chanchichipe tarigipa golpo aro poedona kattarangko on-daproroa.</li> <li>• skigipani ge-eta ba bi-sa an-tangni kusi gita oikorni ratgimin bimangrangko an-tangari banan ka-e sea.</li> <li>• mesokenggipa noksarangoniko niksenggipa aro niksenggijagipa bakrangko che-em. che-em name nie ra-a.</li> <li>• noksarangko ong-a obostarangni kri sulsul tarie golporangko sea aro an-tangtangni seaniko namnika.</li> <li>• u-igimin/u-ikugijagipa seanirangko dakna gisik nange mesoka, jekai - chapa ka-gimin noksarangko nie chanchichipe, oikorrangko nie jakkalna u-ia, kattarangko nie ma-sina u-ia. .</li> <li>• segimin ba chapa ka-gimin oikorrang, kattarang aro sentencerangni bakrangko ma-sia. Jekai; “Angni bimungko Rakbat minga.” Ia sentence batita ming kattarang donga? ‘Bimung’ kattao badita ge oikorrang donga. Aganbo?</li> </ul>



<p>kattarangko aro sentencerangko basee kattarangko rikna cholko on·na.</p>	<ul style="list-style-type: none"> <li>• hindini alphabetni oikorrangni bimang aro gam·aniko ma·sia</li> <li>• skulo aro a·palo (Library)oniko an·tangtangni namnikgipa ki·taprangko basee poraina jotton ka·a.</li> <li>• skigipani ge·eta ba bi·sa an·tangni kusi gita oikorni ratgimin bimangrangko an·tangari banan ka·e sea.(convensional writing)</li> <li>• an·tangni knamangimin ba an·tangni gisiko chanchianirangko dingtang dingtang cholrang jekai- noksa salachi, kattarangchi/sentence rikachi see paraka.</li> <li>• An·tangni janggi tangani aro samtangtango pangchake chanchie seaniko dakgen.</li> <li>• an·tangni chanchiachi golpo, poedo aro uandake seanirangko apalata</li> </ul>
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## Klas III (Hindi)

Skie On·ani Cholrang	Skie Ra·giminrang
<p><b>Skie ra·enggiparangna saksan/sakgni gni/dolprak prak dake skie ra·na cholrangko on·na nanga aro ka·mao mesokatenggiparangko didina nanga:</b></p> <ul style="list-style-type: none"> <li>• an·tangtangni ku·tangchi agan· golpogrikna chu·gimik jakgitele cholko on·na.</li> <li>• hindichi golpo poedorangko an·tangni knagiminrangoniko an·tangni changa gita ku·siktangchi agane -knaate/singaniko singna aro an·tangni kattarangko on·dapna cholko on·na.</li> <li>• bisarang dintang dintang ku·sikrangko jakkalgenchimoba ua kusikrangko hindi aro gipin kusikrangona peskae agana gita klaso cholko on·na. Iako dakanichi pilak kusikrangna dalnikaniko on·na aro ua chimonggimin kattarangko klaso jakkalpile namdapatna cholko on·na.</li> <li>• skulo poraina dongipa noksik (reading corner) ba ki·tap donramo (Library) man·ani kri dintang dintang rokom ba gisiko nangatgipa seanirang, jekai, bi·sarangna segimin lekkrang, posterrang knana aro nikna man·gipa jakkalanirang (audio visual aids), jakkalanirangko on·na.</li> <li>• dintang dintang golporang, poedorang, noksarango seanirangko pangchake u·ie ra·ani cholko man·na.</li> <li>• dintang dintang miksonganirangko gisiko done klaso apalbate poraiiani cholko on·na jekai - badiaba golpoko sandirikite u·ina, golpoo ong·a obostarangni gimin an·tangni chanchianiko ra·ongkate on·pana.</li> <li>• nike knagimin kattarangko ku·siktangchi sena cholko on·na.</li> <li>• an·tangni ku·tanganiko (gital katta /sentenceo parake seani) on·dape seani cholko on·na.</li> <li>• on·sogimin kattarangoniko basee miksonga gngang sentenceo jakkale sena cholko on·na.</li> <li>• on·sogimin katta bichong, jekai “angni nokdang, angni skul, angni gittim, angni kalchakram” ba an·tangtangni gisikoniko namnika katta bichongko basee see parakna cholko on·na aro segiminrangko saksak sagipin baksa mesokgrikna cholko on·na.</li> </ul>	<p><b>Skie ra·enggipa:</b></p> <ul style="list-style-type: none"> <li>• aganatenggipa golpo, poedo kattarangko gisiko nange knatime, ma·sie an·tangni chanchianiko agana.</li> <li>• golpoko aganano aro poedo minganio kattarangko aro gam·atanirangko sul gngang knatoe, katta ma·rape minga.</li> <li>• knagimin aro segiminrangoniko chanchiani ja·pang, obostarangko agangrike sing·aniko sing·e an·tangni chanchianiko agane ku·tangchi sea.</li> <li>• samtangtango dintang dintang ong·gipa obostarangni gimin chanchie agangrike sing·aniko sing·a.</li> <li>• songbad, megejinrangko poraie ma·sie sing·anirangna an·tangni chanchianiko porairimska baksa agnchanchigrike seachi paraka.</li> <li>• ki·tap poraio dintang dintang gital kattarangni ortorangko ma·sie ra·a.</li> <li>• golporang, poedorang/ki·taprangko poraianio kattarangko name nie (jekai -sentenceo poraipiltaie/noun/pronoun, chinrangko jakkalani) u·ia aro kragipa biaprango jakkala.</li> <li>• dintang dintang dakgipa seanirangko (songbad, katta japangrang etc.) poraie ma·sie sing·aniko sing·e/an·tangni chanchiako/skigipa aro porairimskarang baksa agan·chanchigrika.</li> <li>• skigipani mingatenggipa kattani bananko an·tang u·ie sea (convensional writing)</li> <li>• dintang dintang miksonganirangna seanirango kattarangko basee krae ja·pangni kri sea (jekai·ripengtangna chitti seani, Editorna chitti seani)</li> <li>• dintang dintang seanirango chinrang jekai·full stop, semi·colon, sing·ani chinko tiktak one jakkala.</li> <li>• songbad, bi·sarangna segipa lekka, katta japangrang aro gipin seanirangko poraie ma·sie sing·anirangna aganchakaniko on·a aro seachi/brailleo seachi on·a.</li> </ul>



- saksá sakgipinni seanirangko poraigrike nie an·tangtangni chanchianirangko on·dape apalbate sena cholko on·na.



Klas IV  
Hindi

Skie On·ani Cholrang	Skie Ra·giminrang
<p><b>Skie ra·enggiparangna saksan/sakgni gni/dolprak prak dake skie ra·na cholrangko on·na nanga aro ka·mao mesokatenggiparangko didina nanga:</b></p> <ul style="list-style-type: none"> <li>• dintang dintang katta japangrang, obostarang, chanchianirang, golporang aro poedorangko an·tangni ku·tangchi aganna/sing·na aro kattako on·dapna cholko on·a.</li> <li>• ki·tap donram (library·o) gadangni kri dintang dintang ku·sikrangchi gisiko nangatgipa jakkalani ki·taprang jekai – bi·sarangna ki·tap seani, bi·sarangna jaanti segipa ki·taprang, songbadrang, posterrang, knana aro nikna man·gipa jakkalanirang (audio visual aids) donna.</li> <li>• dintang dintang poedo golpo posterrangko poraie u·ie ma·sie an·tangtangni chanchianiko sing·na cholko on·na.</li> <li>• dintang dintang miksonganirangko gisiko done classo apalbate poraiani cholko on·na jekai badiaba golpoko sandirikite u·ina golpoo ong·a obostarangni gimin an·tangni chanchianirangko matchotate on·na.</li> <li>• nangani kri ku·tangko on·dapna jekai, gital katta, sentence, gital chanchiani aro uko jakkalna cholko on·na.</li> <li>• an·tangtangni chanchianirangko ba u·ianirangko on·dape apalbate sena cholko on·na.</li> <li>• seanio nangani kri kattako ku·tangchi on·dape jakkalna</li> <li>• sakgipinrangni chanchiaoni dintang chanchianiko agananichi, jagitele seachi mesokna.</li> <li>• wilwilao ong·enggipa obostarang biding, jekai· chingni nokoni maina skul nokko nikatja? Bolona bilbaronggipa do·o bachi bilangaha? Ia sing·anirangko porairimska baksa agan·chanchigrikna.</li> <li>• klaso ripengskarangni agananirangko</li> </ul>	<p><b>Skie ra·enggipa:</b></p> <ul style="list-style-type: none"> <li>• sakgipinni agangipa kattarangko knatime antangni chanchianiko parake sing·aniko daka.</li> <li>• knagiminrangoniko katta japang, ong·a obosta, noksa, dakmesokgiparangni gimin agan·chanchigrike sing·aniko sing·e chanchianiko on·a</li> <li>• golpo aro poedoko an·tang ku·tangchi kattarangko on·dape agana.</li> <li>• kattarangko name nie ku·tangko on·dape jakkala.</li> <li>• dintang dintang seanirango (jekai songbadni katta ja·pangrang, bi·sarangna segimin lekkrang) aro wilwilao ong·telaigiparangni gimin u·ie agan· chanchigrika.</li> <li>• segimin lekkrango poraiman·gimin rangni bidingo antangni chanchianiko aganachi/seachi paraka.</li> <li>• poraiani ki·tapsan ong·aigija songbadni ja·pang kattarang, bisarangko gisiko nangatna segimin lekkrangko poraina u·ia.</li> <li>• dintang dintang seanirango gitalgipa kattarangni ortorangko chanchie u·ia.</li> <li>• libraryo an·tangni nangnikgipa ki·tapko baseo poraia</li> <li>• poraigimin ki·tapni katta ja·pang, ong·a obostarangni gimin an·tangni chanchianiko on·paa</li> <li>• gadangni kri subjectrango jakkalgipa kattarangko u·ia</li> <li>• ku·sikko jakkalnio name u·ina nangnirang jekai· kattarangko tik ong·e jakkalani, pronoun, adjective, gender, plural, iarangni gimin sena u·ia.</li> <li>• badiaba katta ja·pangni gimin see kattarangni dintanggrikaniko u·ie seao jakkala</li> <li>• dintang dintang obosta aro miksonganirangko(bulletin boardo on·gipa uiatani, golpo, poedo,chitti aro uandake,) chanchie sea</li> <li>• skigipani geetachi bi·sarang an·tangari sea aro ua kattarangko cheke poraiao namdapata.</li> </ul>



<p>knatime ua kattarango ku·tangchi agan skana, jekai te·gachu, bite, do·o.</p> <ul style="list-style-type: none"> <li>• katta ja·pangrango chanchie kattani miksonganirango ma·sina.</li> <li>• dingtang dingtang subjectrangni nangani kri kattarango jakkalna.</li> <li>• poraiani ki·taprango nangenggipa bakrangni gimin agan-chanchigrikna cholko ra·na.</li> </ul>	<ul style="list-style-type: none"> <li>• dingtang dingtang seanirango chinrang-jekai fullstop, semi colon, singani chinrangko tiktak ong·e kattarango aro sentencerango jakkala. Antangni chanchienggipa golpo, poedo, talataniko seao krae jakkala.</li> </ul>
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## Klas V

Skie On-ani Cholrang	Skie Ra-giminrang
<p><b>Skie ra-enggiparagna saksan/sakgni gni/dolprak prak dake skie ra-na cholrangko on-na nanga aro ka-mao mesokatenggiparangk didina nanga:</b></p> <ul style="list-style-type: none"> <li>• dingtang dingtang katta japangrang, obostarang, chanchianirang, golporang, poedorangko an-tangni ku-tangchi (aganna/sea/chin dake agananirangchi) sing-na aro kattako jakgitele on-dapna cholko on-a.</li> <li>• ki-tap donram (library-o) gadangni kri dingtang dingtang ku-sikrangchi gisiko nangatgipa segimin ki-taprang, parakataniko mesokgipa pil-eng (sign board), songbadrang aro wilwilao niko nie ra-e uani gimin agan chanchigrikna cholko on-na.</li> <li>• dingtang dingtang golpo poedorango aro posterrango pangchake poraie ma-sie ra-ani cholko on-na.</li> <li>• uamangni knagimin, poraigimin ba agangrikgiminrangni gimin an-tangni ku-tangchi sena cholko on-na</li> <li>• nangarangni kri an-tang ku-tangchi kattarangko (gital kattarang/sentencerang/chanchianirang) jakkalna cholko on-na</li> <li>• saksa sakgipinni seako poraie ma-sie an-tangtangni chanchiako on-dape sena cholko on-na.</li> <li>• wilwilao ong-a obostarangko nie niko uarangni gimin sing-sandie agan-grikna cholko on-na.</li> <li>• on-sogipa katta japango pangchake uarangko niam gita u-ie ma-sie jakkalna on-na.</li> <li>• gitalgipa kattarangko noksa gnannggipa/gri-gipa dictionaryoniko nie sandina cholko on-na</li> <li>• dintang dingtang subjectrango (jekai, math, science, social science, art, health education aro gipinrango) jakkalenggipa kattarangko ma-sie uarangko nangani kri salantini janggi tanganio jakkalna cholko on-na</li> <li>• lesson mangmangkosan ong-aigija samtangtango donggiparangni giminba agan-chanchigrikna cholko on-na</li> </ul>	<p><b>Skie ra-enggipa:</b></p> <ul style="list-style-type: none"> <li>• dingtang dingtang obostarangni gimin seanirangni (kadingatna seani, ka-donganiko mesoke seani, songsarni gimin seani aro uandake) gimin agan-chanchigrike sing-grika aro an-tangtangni gisikni chanchianirango on-paa.</li> <li>• an-tangni wilwilao ong-enggipa obostarangni gimin name nie an-tangni chanchianiko seachi aro sing-achi paraka.</li> <li>• gipin ku-sikni gimin name chanchie nie ku-tangko aganano namdapata.</li> <li>• dingtang dingtang lekkarangoniko golpoko poraie (songbad, article, poster, headings) u-iani ja-mano uarangoniko ma-sirikaniko daksningpaa jekai – “angaba babako hal gamna dakchakgen”</li> <li>• obostarangko parakatna see dongiminrangoniko (bulletin board) an-tangari segatna changa.</li> <li>• an-tangni lessonkosan ong-aigija gipin seanirangoniko (songbad, poster, bi-sarngko gisiko nangatna seanirang) ja-pang kattarangko poraie ma-sie agana</li> <li>• dingtang dingtang obostarangni gimin seanirangni (kadingatna seani, ka-donganiko mesoke seani, songsarni gimin seani aro uandake) gimin agan-chanchigrike sing-grika aro an-tangtangni gisikni chanchianirango on-paa.</li> <li>• u-igijagipa kattani ortoko dictionary oniko sandia.</li> <li>• skigipani geetachi bi-sarang an-tangari sea aro ua kattarangko cheke poraiao namdapata jekai, badiaba obostani gimin skulni megijino segatgen aro uko an-tangni ripengtangna chitti seachi u-iata</li> <li>• kattarangko gisiko nange nie ra-e uarangko an-tangni seanirango ku-tangchi/brailleo sea.</li> <li>• grammarni bakrangko (verb, tense, bikpilgipa katta aro uandake) ma-sie seanirango jakkala.</li> <li>• chinrangko bano jakkalna nanga miksongako u-ie seanirango jakkala jekai fullstop, semi colon, sing-ani chin.</li> </ul>



	<ul style="list-style-type: none"> <li>• dintang dingtang subjectrango (jekai, math, science, social science, art, health education aro gipinrango) jakkalenggipa kattarangko ma·sie uarangko nangani kri seanirango jakkala</li> <li>• wilwilao ong·a obostarangko nie nike uarangni gimin sing·sandie uko seanirango paraka</li> <li>• an·tangni chanchichipachi poedorang, golporang, chittirangko apalbate sea.</li> </ul>
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