

HOW ARE GRADE 5 CHILDREN LIKE?

It is important to know your child well. This helps you understand and relate to him/her better. It also enables you to support his/her learning in the best way he/she can learn.



Fifth graders move from acting mature and independent to immature behaviour when they want the comfort they are often afraid to ask for. They spend much of their day learning the complex and ever-changing social rules of interacting with their peers. This can make it tough for teachers, who have to steer them back to the academic tasks of the classroom. It can also make it tough for some fifth graders, who may need to switch their focus from classroom social dramas to good study skills and time management.

Fortunately, by this stage, fifth graders have developed the ability to think logically about concrete problems. This means that when they look at a problem, they can pull out the necessary facts and strategies needed to solve it. However, they still require support to look at each other's perspective.

THE PRESSURES OF A GROUP

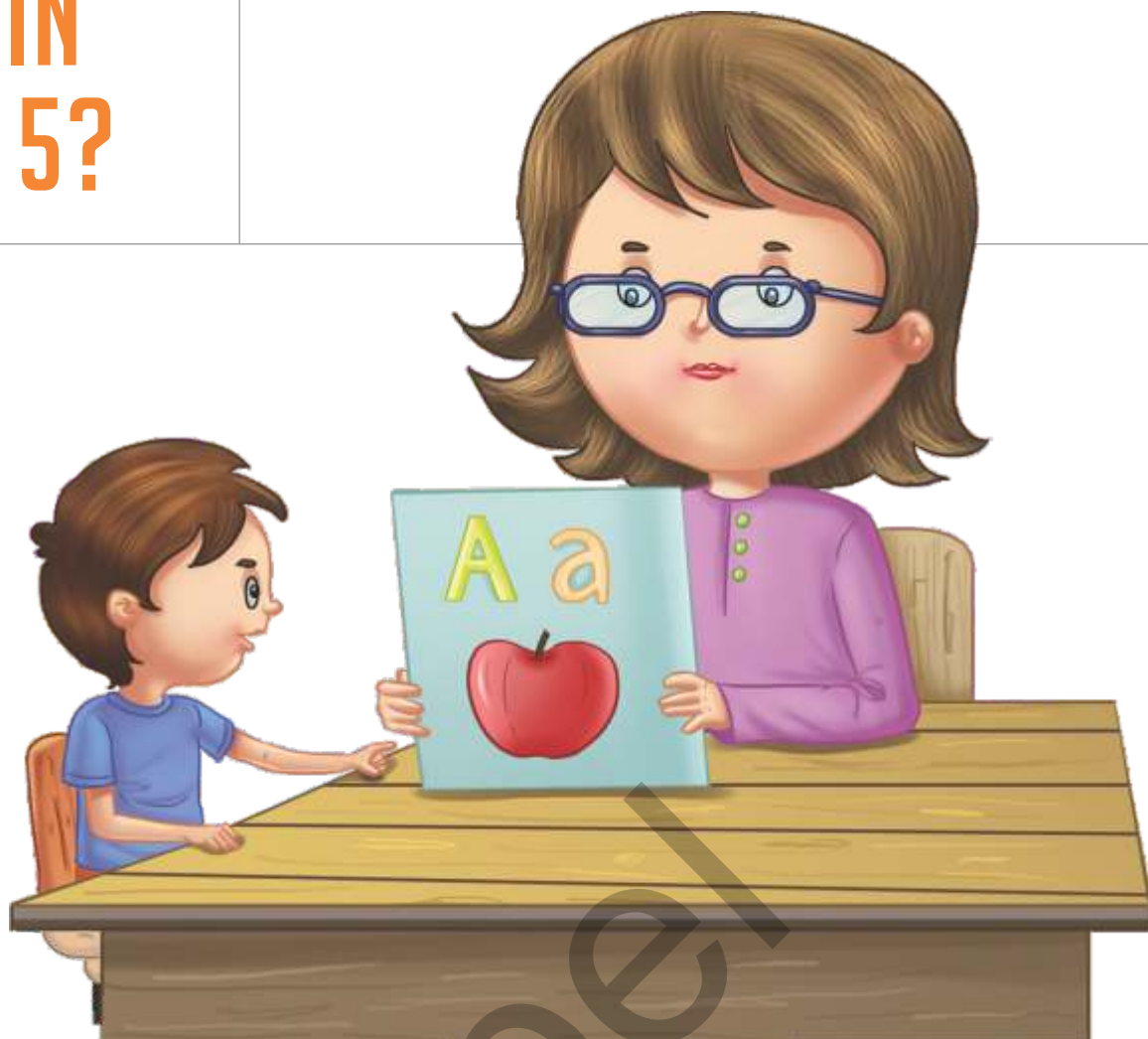
Being a part of a group, what their friends think of them, and what they think of their friends are very important issues for the fifth graders. Both, boys and girls, become more self-conscious and somewhat insecure about how they appear and whether they 'fit in'. Occasionally, students who excel in certain subjects try to downplay their intelligence in order to fit in.

It's important for parents to build upon children's strengths to help them with their weaker areas. It's also good time to look at children's passions to find extracurricular activities in areas in which they can excel. This can give them a sense of confidence in their accomplishment, and broaden their peer group to include friends who have common interests.

WHAT DOES YOUR CHILD LEARN IN GRADE 5?

Each grade has a syllabus. This is what students learn in each subject area.

Teachers use the curriculum to help your child learn.



ENGLISH LANGUAGE

The fifth graders become sophisticated readers. They read more complex texts and learn to analyse characters, make inferences, present opinions, offer alternatives and recognise an author's purpose of writing. Extensive reading fosters their love for reading and builds their vocabulary. The fifth graders become independent writers and have their own style of writing. They put their feelings, imagination and experiences on paper. They write their own pieces of fiction and edit them individually or in collaboration with their peers. The fifth graders take turns as good speakers and readers to improve their skills of speaking and listening. Peer discussions help boost their confidence.

हिंदी भाषा

पाँचवीं कक्षा के विद्यार्थी साहित्यिक विधाओं, जैसे— पोस्टर, यात्रा वर्णन, डायरी इत्यादि के माध्यम से अपने भावों, विचारों व भावनाओं को प्रभावी रूप से प्रस्तुत करना सीखते हैं। इसके लिए वे व्याकरण की अवधारणाएँ, जैसे— काल, वाक्य के भेद इत्यादि सीखकर उनका प्रयोग भी करते हैं। पाठ्यवस्तु का अर्थ समझने के लिए वे विभिन्न युक्तियाँ जैसे— कल्पना करना, पाठ्यवस्तु के साथ संबंध बनाना, पाठ्यवस्तु की विभिन्न घटनाओं व पूर्व ज्ञान में संबंध स्थापित कर निष्कर्ष निकालना भी सीखते हैं।



SCIENCE

Students learn various processing skills like experimenting, observing, recording data, forming hypotheses and testing them. They learn about the human body, materials and changes around them, tools and machines, natural resources like water, air, etc., and how to conserve them.



SOCIAL SCIENCE



Students learn about the relationship between people, places and the environment. They also build sensitivity and responsibility towards the environment and everything around. In this grade, students engage with concepts such as techniques of water management, essentials of farming, types of forest and tribal life, discovery of farming and its impact and eco-friendly houses. They actively develop skills like drawing inferences, making observations, conducting analyses, map reading and plotting.

MATHEMATICS

The fifth graders generalise their understanding of place value to 10,00,00,000. They learn and apply their understanding of properties of operations such as BODMAS, distributive, commutative and associative on multiplication and addition. They solve sums of fractions and decimals and learn about prime numbers. They solve problems about factors and multiples and explore geometry formulas for determining perimeter, area and volume, and for measuring angles.

They develop fluency in calculating sums and differences of fractions, and make reasonable estimates of them. They apply the skills of estimation, problem solving and reasoning in real world situations by solving problems about volume, factors and multiples. They not only read line and circle graphs, tables and charts, but also create them from the data they have collected.



PROJECT BASED LEARNING

Students engage themselves in integrated projects. They work on two projects—Food Preservation and Lake. These projects give students the opportunity to learn concepts and skills from all subjects. The first project includes the role of microorganisms in spoiling food and methods to preserve food. It also includes the video editing skill and mathematical concepts of profit and loss. The Lake project includes a lake ecosystem, formation and pollution of aquifers; water pollution and factors contributing to it; and how to protect a lake. The project includes language skills such as writing formal letters, invitation cards and advertisements.



Proper

HOW DO TEACHERS ASSESS STUDENTS' WORK?



TEACHERS ASSESS STUDENTS' WORK IN MANY WAYS



ENGAGEMENT OF STUDENTS IN CLASS



STUDENTS' CLASSROOM WORK



HOMEWORK AND ASSIGNMENTS



UNIT-END AND TERM-END ASSESSMENT

WHAT CAN YOU DO TO HELP YOUR CHILD LEARN BETTER?



CONNECT TO THEIR WORLD

Take an initiative to learn about what your child is currently learning at the school. Spend time making friends with your child, and becoming part of his/her world. It is not enough to know what the child is doing at school. As a parent, you need to know what the child thinks and feels about the experiences he/she is going through in school. Encourage your child to stick with it whenever a problem seems difficult. This will help your child realise that everyone can learn.

Praise your child when he/she makes an effort and share in the excitement when he/she solves a problem or understands something for the first time.



TALK WITH THEM

Talking with children about their experiences motivates them to learn!

Here are some questions that you could use:

How was your day at the school?

Was there anything new and interesting in the school today?

What did you learn today?

Can you teach that to me?



BE A RESOURCE

Students conduct first-hand research. They may need to make observations when travelling on a family vacation, or 'interview' you or others on a certain topic. Act as a resource ONLY when your child needs one. Use everyday objects to allow your child to explore the concept being learnt in the school.



ENCOURAGE INDEPENDENT TIME

Provide time for your child to read independently.

Ask your child what he or she learnt from reading and how that knowledge can be used in real life. Be sure your child has access to a library. Children should select books they are interested in to develop a passion for reading. You could use technology for this, too.



TRUST THE TEACHING

We are continuously researching and learning from research and practices from around the world so that the school can give your child the very best of learning environment.



We are there for you all the time. Just remember that our goals, yours and the school's, are the same—to nurture the genius in your child.

BE IN TOUCH WITH WHAT IS HAPPENING IN SCHOOL

Attend all parent-teacher interaction meetings. These include PBL culminations in every term, term-end student report meetings, class-wise parent meetings, etc.

Read every circular and diary note that is given to your child.

Keep checking the school website for any updated information or to download worksheets and practice assignments for your child after the unit has been taught. Use the unique ID given to your child for the parental access to the website resources.

There may be ambiguity at times about what your child is doing in the school. Don't panic. Call up the class teacher and seek clarity.

In case of queries or concerns, contact the class teacher and share your concerns.







HRM
GLOBAL SCHOOL

GRADE 5

ANNUAL LEARNING PROGRESSION

TERM-1

ENGLISH

Reading and Writing

- Story – The Unicorn
- Poem – Space Adventure
- Writing – Paragraph Writing
- Poem – The Dentist and the Crocodile
- Writing – Character Setting in a story

Speaking and Listening

- Practising speaking skills
- Narrative sharing

Grammar

- Adjectives
- Abstract Nouns

हिंदी

श्रवण व पठन

- कविता - बूढ़ा का जूता
- कविता - कठपुतली का राजा सजता
- कविता - ताऊ जी भी हँस करते हैं

वाचन व लेखन

- शब्दकोश
- प्रतिपुष्टि प्रपत्र

व्याकरण

- काव्य तत्व - अतिशयोक्ति
- काव्य तत्व - अनुप्रास
- संज्ञा के भेद

MATHS

NUMBERS

- Place value of numbers up to 9-digits – Grouping, expanded form and standard form
- Comparison of numbers - Predecessor and successor; ordering numbers
- Number names
- Place value in the international numeration system
- Difference between the Indian and International numeration systems
- Patterns in triangular, square and rectangular numbers
- Roman numbers till M (1000)

NUMBER OPERATIONS

- Addition and subtraction of 8-digit numbers
- Mental math strategies to add, subtract, multiply and divide

SCIENCE

THE WORLD OF LIVING – ANIMALS

- Classification of animals – Exploring animals and grouping them based on similarities in their structure and behaviour—reptiles, amphibians and mammals
- Key characteristics of each class—Study of 4–5 key characteristics of animals from the three different classes such as habitat, body heat regulation, skin type, reproduction and rearing of the young ones



SOCIAL SCIENCE

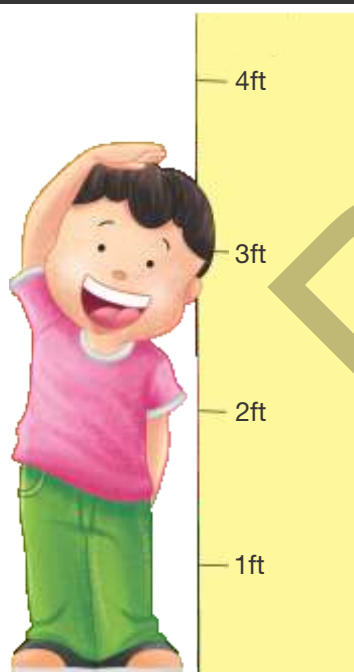
WATER

Water Management – Its need and techniques used

- Water management at different geographical locations
- Idea about the agencies involved in urban water management
- Holistic view of water management that includes planning, development and optimisation of water resources
 - Community efforts in water management
 - Connection between geographical conditions and water management techniques
- Multi-purpose water projects – Dams
- Location of major dams and associated rivers on the map of India
- Awareness of the impact of constructing dams on local people and the environment

FARMING

- Seasons of Farming
- Irrigation Methods
- Tools of farming
- Types of Farming
- Subsistence and Commercial Farming



PBL

LEARNING TO NOT WASTE FOOD

Cause of spoilage of food items

- Growth of microorganisms
- Causes for the growth of microorganisms: Moisture and warmth
- Role of bacteria in setting curd
- Observing bacteria under a microscope and learning about it through the interactive board

Understanding the role of yeast in baking bread

- Learning to bake bread
- Observing the role of yeast in baking
- Reading and comprehending instructions from non-fiction text
- Creating an interview schedule
- Working in groups to develop interview schedules



ENGLISH

Reading and Writing

- Poem – Space Adventure
- Writing – Vocabulary Building Imagination
- Story – Beginning, Middle, End in a story
- Writing – Paragraph Writing

Speaking and Listening

- Various tasks based on comprehension

Grammar

- Capitalisation and Punctuation

हिंदी

श्रवण व पठन

कविता – भूखा मुझे उठाया है

कविता – दोनो चुपके से सो जाओ

वाचन व लेखन

कविता लेखन

व्याकरण

काव्य तत्व – व्यंग्य

MATHS

NUMBER OPERATIONS

- Multiplication of 5-digit numbers with 3-digit numbers
- Error analysis
- Estimation of product and quotient
- Word problems involving basic operations
- Division of 5-digit by 3-digit numbers

SCIENCE

THE WORLD OF LIVING – ANIMALS

- Study of some animals that have unique senses, belonging to the above classes

NATURAL RESOURCES – WATER

- Processes of evaporation, condensation and precipitation in the context of water cycle



SOCIAL SCIENCE

FARMING

- Irrigation methods in India
 - Factors affecting irrigation methods
- Tools for farming
 - Advancement of tools over a period of time
 - Impact of advanced tools on farmers and crop production (Covered in PBL – Grade 4)
- Need and importance of food preservation (Covered in PBL Grade 5)

PBL

Knowing ways of preserving food

- Conducting an interview
- Similarities and differences between different methods of food preservation
- Multiple ways of finding information
- Drying as a technique of preservation
- Reading fiction text related to drying
- Reading non-fiction text related to drying:
 - Lijjat papad: Knowing the employment opportunities that get generated

Knowing freezing and pickling as methods of food preservation

- Freezing as a method of food preservation
- Pickling as a method of food preservation
- Reading fiction and non-fiction texts related to freezing and pickling:
 - Preservation of peas
 - Missing home
 - Pickling
 - Pickles and relishes
- Role of key ingredients in pickling



ENGLISH

Reading and Writing

- Story – Summer Soup
- Poem – The Dentist and The Crocodile
- Writing – Sharing Opinion
- Writing – Paragraph Writing

Speaking and Listening

- Various tasks based on comprehension

Grammar

- Abstract Nouns

हिंदी

श्रवण व पठन

कविता – किताबें बुनती हैं सपने
 कहानी – समुद्र का पानी नमकीन क्यों
 कहानी – पाँच चीनी भाई
 कहानी – घर में अकेला

वाचन व लेखन

कहानी के तत्व – पात्र की समझ
 कहानी के तत्व – देश, काल, वातावरण की समझ

व्याकरण

मुहावरे

MATHS

- Order of operations (BODMAS)
- Framing of word problems
- Divisibility rules of 2, 3, 4, 5, 6, 9 and 10
- Properties of numbers – Associative, commutative and distributive

FRACTIONS

- Reduction of fractions to lowest terms
- Comparison of unlike fractions using equivalence and cross product
- Ordering unlike fractions using equivalent fractions

OPERATIONS ON FRACTIONS

- Addition of unlike and mixed fractions
- Subtraction of unlike and mixed fractions
- Multiplication of fractions with whole numbers and fractions

SCIENCE

NATURAL RESOURCES – WATER

- Factors that affect evaporation and condensation
- Forms of precipitation

THE WORLD OF LIVING – PLANTS

Seeds

- Seeds of different plants
- Structure of a seed - Seed coat, cotyledons, embryo
- Seed dispersal
 - Dispersal of seed
 - Agents of dispersal
- Seed germination
 - Conditions for germination – Water, sunlight, air
 - Process of germination from an embryo
- Ways of growing new plants:
 - From stem
 - From root
 - From leaf
 - Through transplantation of a sapling

Soil erosion

- Effect of water on soil erosion
- Ways of preventing soil erosion



SOCIAL SCIENCE

FORESTS

- Layers of Forest
- Types of forests and their characteristics
 - Thorn
 - Coniferous
 - Evergreen
 - Deciduous
 - Mangrove
- Tribes of India and their relationship with forests
- Contemporary issues that impact the environment and people: Industrialisation
- Building sensitivity towards forests and their conservation

EARLY LIFE

- Emergence of agriculture and its effect on early human communities about the following:
 - Beginning of a settled life

PBL

Learning about pasteurisation

- Sugaring and salting as methods of food preservation
 - Food drying basics
 - Visit to the dairy: Understanding pasteurisation
- Market survey to find out prices of products in the market
- Formal letter writing
- Observing wrappers for understanding the importance of manufacturing and expiry dates
- Creating a byline for the product
- Using MS Publisher to create labels for the product
- Learning about packaging



ENGLISH

Reading and Writing

- Story – The Enchanted Palace
- Poem – Sarah Cynthia Sylvia Stout
- Writing – Script, Dialogue
- Story – Making connections and Prediction

Speaking and Listening

- Various tasks based on comprehension

Grammar

- Past Perfect Tense
- Past Perfect Continuous Tense
- Degrees of Adjectives

हिंदी

श्रवण व पठन

- कहानी - जूता आखिर आया कहाँ से
- कविता - बात सही
- लेख - बाल कमाल
- कहानी - ढूँढ़ते रह जाओगे
- लेख - सूरखो वाला घड़ा

वाचन व लेखन

- कहानी का तत्व - भाव
- कहानी का तत्व - कथानक की समझ
- कहानी लेखन
- लेख संग्रह

व्याकरण

- विलोम शब्द
- एकवचन-बहुवचन
- विशेषण के भेद

MATHS

OPERATIONS ON FRACTIONS

- Division of fractions by whole numbers and fractions

ANGLES

- Angles – Ray, vertex, degree of turn
- Types of angles – Right, straight, complete, acute, obtuse, reflex, interior and exterior
- Measurement and drawing of angles using non-standard and standard tools
- Estimation of angles
- Types of triangles – Equilateral, isosceles, scalene, acute, right and obtuse
- Measurement of angles in a triangle

SCIENCE

HUMAN BODY

- Exploring the human body
- Structure and function of systems in our body – Skeletal, digestive, circulatory and respiratory systems
- Exploration into each system, some experimentation and basic information and tips on how to keep these systems healthy
- Food and nutrition in connection with the digestive system, different types of nutrition and their basic test, introduction to balanced diet and its importance
- Body mass index, its significance in determining overweight and underweight persons
- Exploring the structure and function of systems in our body – Circulatory and respiratory systems

SOCIAL SCIENCE

EARLY LIFE

- Emergence of agriculture and its effect on early human communities
- Domestication of animals
- Inventing the technique of making pottery
- Inventing advanced tools

SHELTER

- Features of an eco-friendly building
 - Idea of energy conservation in the house
- Impact of natural environment on shelter
- Landforms in India and their characteristics
- Vernacular architecture and its unique features
 - Optimum utilisation of available natural resources
 - Structures that suit the climatic conditions

PBL

Letter Writing

- Selecting appropriate materials for packaging
- Learning language to be used in a cookery show

Making video

- Making a video
- Learning video editing software
- Creating invitations

Presenting learning through culmination

- Creating advertisements
- Calculating profit and loss
- Giving profit for community service



USING YOUR CHILD'S GRADING TO HELP HIM/HER LEARN

This month your child will do revision and undergo assessment. The five steps below show the five-point scale of student performance. They also describe what they mean, what teachers do with them and what you can do to support.



DESCRIPTION OF EACH SCALE AND HOW TO USE THEM

1/D

DESCRIPTION

Student has not yet displayed awareness of the content/skill being asked.

WHAT TEACHER DOES

Helps the child 'join the game', re-orientates the child to engage with the learning experience. The teacher ascertains the child's previous knowledge so as to be able to adjust the new knowledge to make it connectable.

WHAT PARENTS CAN DO

Appreciate the child for each accomplishment, however tiny it may be. Remember, it is possible that your child's talent may lie in other subjects!

2/C

DESCRIPTION

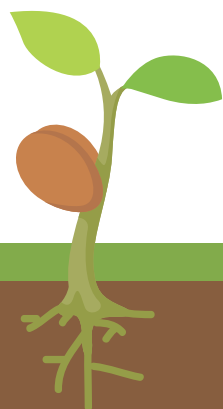
Student's answer is based on only one relevant aspect or fact of the question. He has just begun to know the subject matter.

WHAT TEACHER DOES

Concentrates on consolidating the basic and preliminary knowledge and skills, building a store of knowledge, and encouraging students 'to do more' with their knowledge base.

WHAT PARENTS CAN DO

Keep in touch with the teacher to know areas of struggle and support the child in doing tasks set by teacher.



3/B

DESCRIPTION

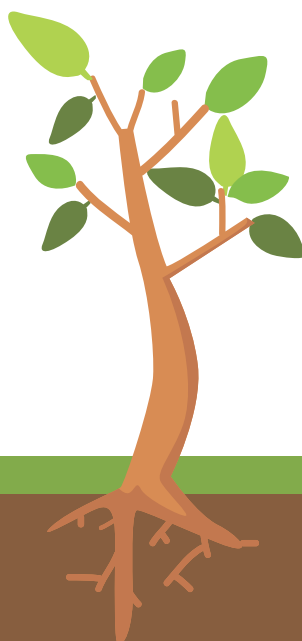
Student shows several aspects of the data which are consistent, but does not understand connection between them.

WHAT TEACHER DOES

Encourages the child to connect two objects or concepts, and facilitates their integration into a coherent system wherein the parts are inter-related.

WHAT PARENTS CAN DO

Encourage your child to share with you his/her learning. This strengthens his/her grasp over knowledge or skill.



4/A

DESCRIPTION

Student knows most or all of the facts of the answer and also understands the connections amongst them.

WHAT TEACHER DOES

Encourages and inspires the child to work hard to master abstract concepts and relationships which allows him/her to derive generalised principles and transfer them to new tasks and situations.

WHAT PARENTS CAN DO

Discuss with child the higher goals that teacher might have set. Encourage him/her to do better.



5/A+

DESCRIPTION

Student shows not just all the data and their relationship but also presents hypotheses about a new situation that is not given in the question. He/she surpasses what has been taught.

WHAT TEACHER DOES

Increases the challenge for the child in terms of complexity, as well as providing a variety of new tasks in multiple contexts.

WHAT PARENTS CAN DO

Provide opportunities for higher challenge that teacher might have recommended. Encourage humility in the child for his successes and perseverance on his failures.



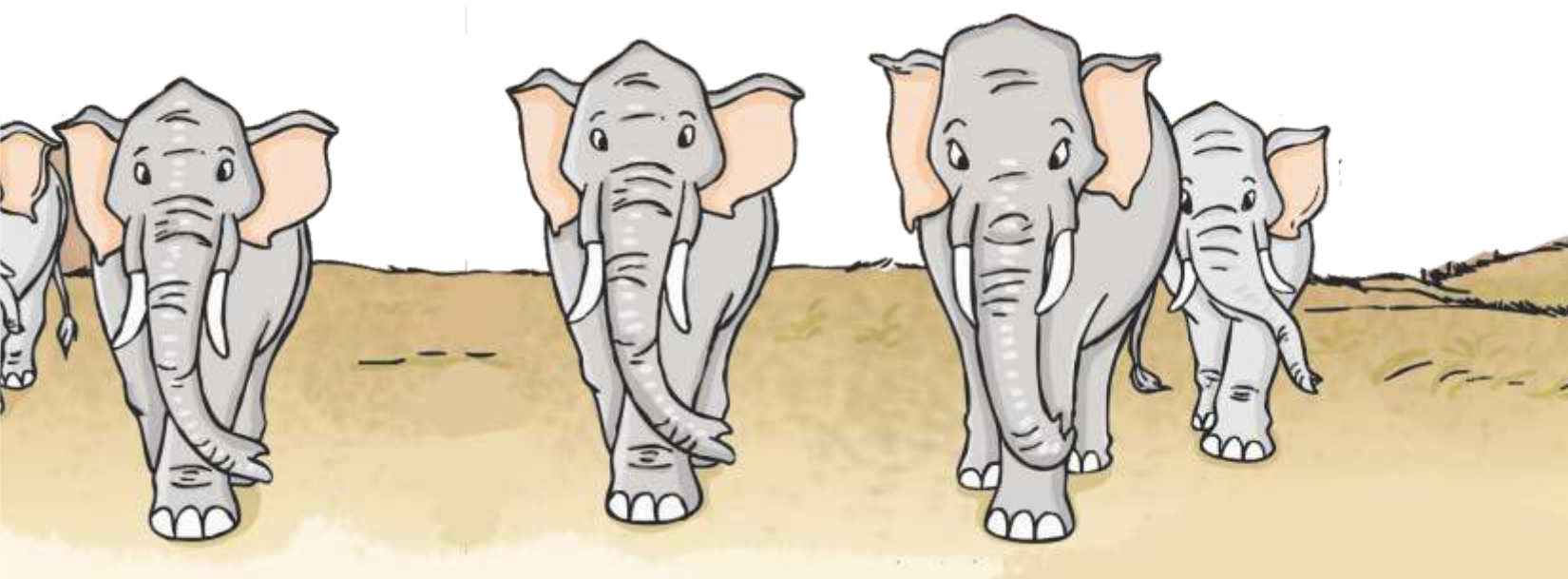
HRM
GLOBAL SCHOOL

GRADE 5

ANNUAL LEARNING PROGRESSION

TERM-2





ENGLISH

Reading and Writing

- Story – The Cherry Tree
- Poem – Dandelion
- Writing – Expression and Experience

Speaking and Listening

- Various tasks based on comprehension

Grammar

- Future Perfect Continuous
- Metaphors

हिंदी

श्रवण व पठन

- कविता - आओ हम चित्र बनाएँ
- यात्रा वर्णन - मेरी अविस्मरणीय यात्रा
- यात्रा वर्णन- मनाली के मनमोहक दृश्य
- कविता - छोटी सी हमारी नदी

वाचन व लेखन

- अनुभव आधारित अनुच्छेद

व्याकरण

- काल

MATHS

DECIMALS

- Introduction to decimal numbers
- Place value of decimal numbers – Comparing and ordering
- Representation of a decimal number – Standard and expanded form, number name
- Decimal numbers on a number line
- Types of decimal numbers – Like, unlike and equivalent
- Conversion of fractions into decimals and vice versa

DECIMAL OPERATIONS

- Word problems involving addition, subtraction, multiplication and division of decimal numbers

SCIENCE

MATERIALS – STATES OF MATTER AND CHANGES AROUND US

States of matter and changes around us

- Characteristics of the three states of matter – Solid, liquid and gas

- Molecular structure of solids, liquids and gases and how it determines their properties (shape, compressibility and rigidity)
- How matter changes its form: Impact of heat and cold
- Physical and chemical changes
- Reversible and irreversible changes

SOCIAL SCIENCE

MIGRATION

- Migration and the reasons for it
 - Developing the skill of conducting an interview
- Natural disaster
 - Struggles faced by migrants due to natural disasters
 - Agencies involved in managing natural disasters
 - Individual preparedness before the occurrence of a natural disaster
 - Impact of natural disasters on environment and people
- Disaster management techniques – Before, during and after a disaster
 - Effective disaster management – Case study of Phailin cyclone in Odisha
 - Significance of early warnings in the case of disasters

PBL

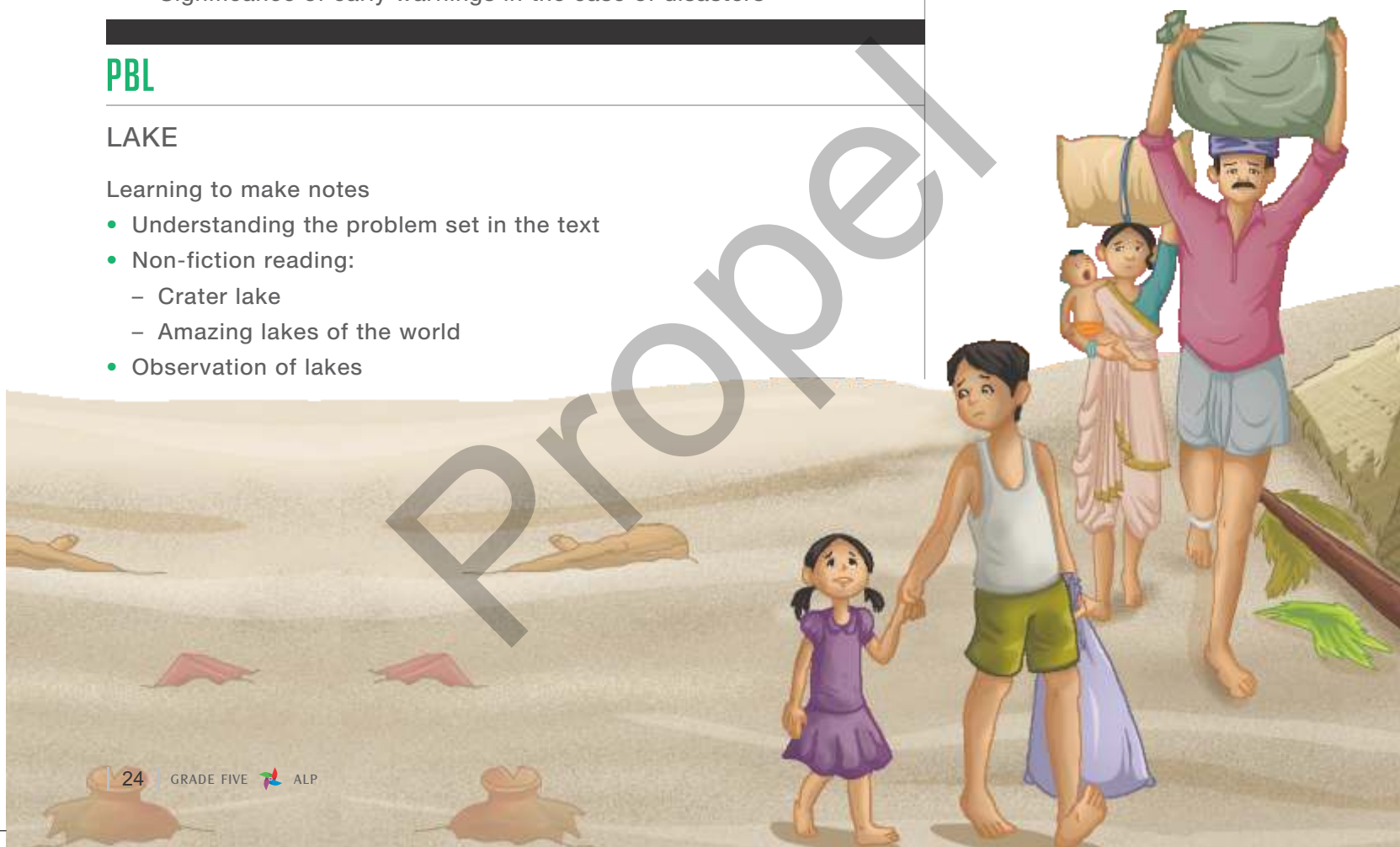
LAKE

Learning to make notes

- Understanding the problem set in the text
- Non-fiction reading:
 - Crater lake
 - Amazing lakes of the world
- Observation of lakes

Interview schedule

- Creating an interview schedule
- Conducting an interview
- Comprehending a report
 - Delhi has lost 21 lakes since 1997-98
- Collecting information about various water bodies



ENGLISH

Reading and Writing

- Story – The Dragon Rock
- Poem – The Bird Came Down to Walk
- Writing - Poetry Writing

Speaking and Listening

- Listening Modules – Mother Teresa
- Experience sharing

Grammar

- Types of future tenses
- Revising Adjectives
- Synonyms and Antonyms

हिंदी

श्रवण व पठन

- लेख - पानी-एक गंभीर समस्या
- घटना वर्णन - जंगल शहर में
- नाटक - चंगू और मैगू

वाचन व लेखन

- कविता लेखन
- पोस्टर लेखन
- समस्यात्मक अनुच्छेद

व्याकरण

- वाक्य के प्रकार

MATHS

PERCENTAGE

- Introduction to percentage
- Relation between fractions and percentage
- Relation between percentage and decimal
- Word problems related to percentage

AREA AND PERIMETER

- Units of area and perimeter
- Relationship between area and perimeter
- Deduction of formulae for area of a square and a rectangle
- Word problems involving calculation of area

SCIENCE

HOW THINGS WORK – TOOLS AND MACHINES

- Tools and machines used in our daily life to make our work easier, simple machines, exploring how lever and pulley work
- Need of machines and their significance in our life
- Relationship between force and tools/machines
- Exploring how an inclined plane and a wedge work
- Exploring how a screw and wheel and axle work



SOCIAL SCIENCE

TRANSPORT

- Modes of transportation and their advantages
- Infrastructure for transportation
- Highways and their uses
 - Role of Highway in connecting various states and places in India.
 - Role of Highway in facilitating the business of dhaba, hotel and petrol pumps.
 - Knowing about By pass roads and expressway and their importance
 - Role of highways in connecting various states and places in India
 - History and importance of GT Road.
 - Significance of interstate transportation of goods through highways

LIFE AND LIVELIHOOD

- Local industry and the different kinds of employment it provides to people
 - Local skills and crafts flourishing around cultural sites, e.g., appliqué and stone carving work of Odisha

PBL

Writing a letter

- Letter writing in Hindi
- Understanding the way water gets absorbed into the ground to create aquifers

Comprehension strategies to read non-fiction

- Reading non-fiction
 - Formation of lakes
 - Difference between natural and man-made lakes
 - Flora and fauna at Damdama Lake
 - Nainital Lake
- Using various strategies for comprehension and learning about them





ENGLISH

Reading and Writing

- Story – Organ Player
- Poem – The Butterfly Flutters By
- Writing – Sequencing of Events
- Story – Aliens Visited Earth
- Writing – Report Writing

Speaking and Listening

- Various tasks based on comprehension

Grammar

- Revising Conjunctions
- Simple and Compound Sentences
- Alliterations Tenses

हिंदी

श्रवण व पठन

- नाटक - हाथ मोटापा, हाथ मोटापा
- नाटक - पानी बचाओ
- वीडियो - साक्षरता पर नाटक
- यात्रा वर्णन - एक यात्रा ऐसी भी

वाचन व लेखन

- डायरी लेखन - कछुए को देखने की चाह में
- यात्रा वर्णन

व्याकरण

- पोस्टर

MATHS

VOLUME

- Introduction to volume
- Measurement of volume using non-standard and standard units
- Relationship among different measuring units
- Deduction of formulae for measuring volume of a cube and a cuboid

SHAPES AND SYMMETRY

- Introduction of prisms and pyramids
- Nets of prisms and pyramids
- Reflection symmetry in 3D shapes
- Introduction of rotational symmetry
- Rotation of one-half, one-fourth and one-sixth

MONEY

- Profit and loss using word problems (Done in PBL)

SCIENCE

NATURAL RESOURCES- AIR

- Composition of air
 - Gases – Oxygen, carbon dioxide, nitrogen and water vapour
- Air Pollution
 - What is air pollution, its causes and ways to prevent air pollution
- Global Warming- cause, effect and solutions

SOCIAL SCIENCE

LIFE AND LIVELIHOOD

- Various ways of earning livelihood
- Developing sensitivity towards the dignity of labour
 - Real-life incidents of great personalities

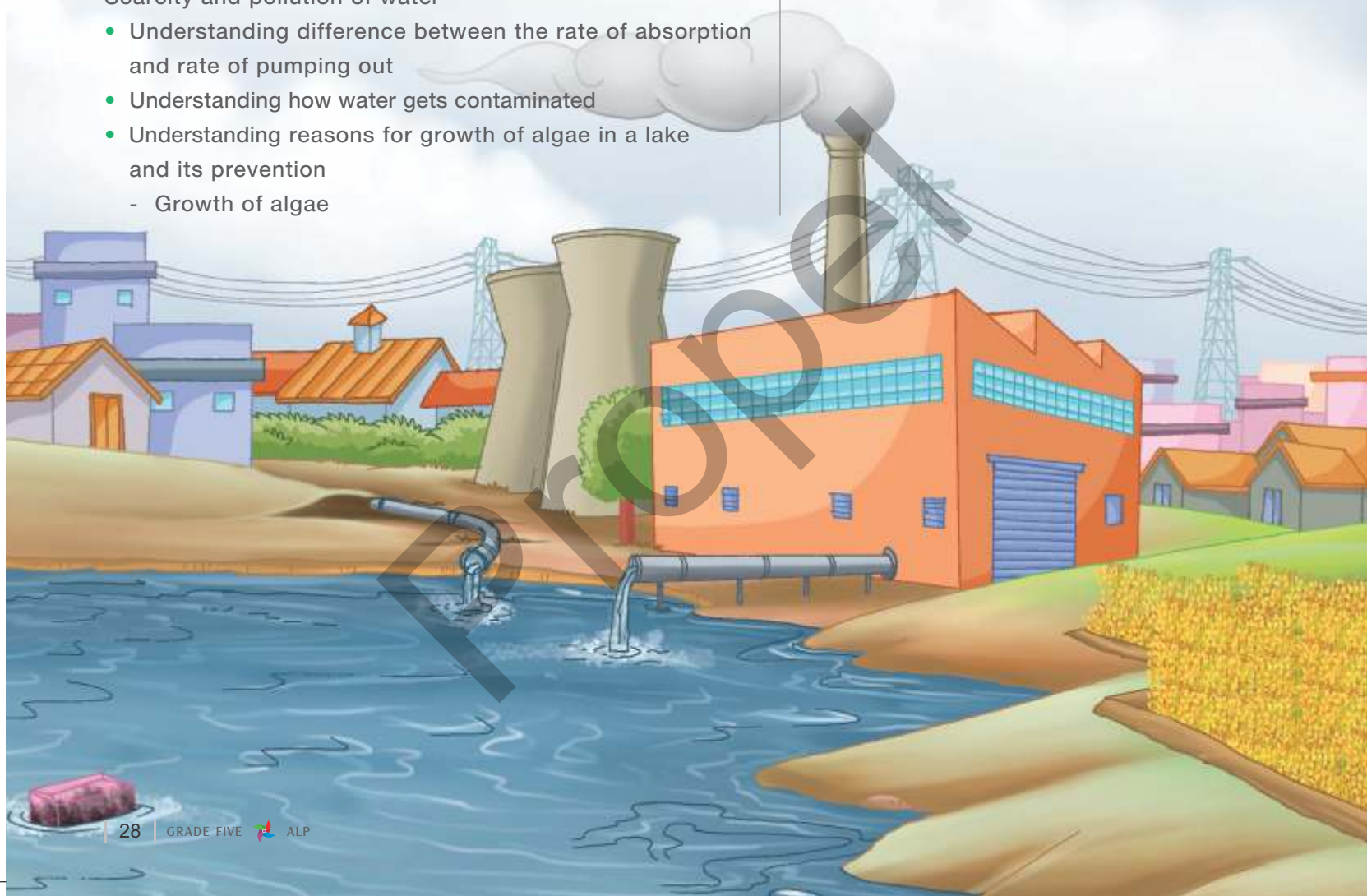
LOCAL ADMINISTRATION

- Rules and its significance
- Formation of a municipal corporation as a local administration body
- Electing representatives in a democracy
 - Decision-making process
 - Developing awareness about responsible citizenship

PBL

Scarcity and pollution of water

- Understanding difference between the rate of absorption and rate of pumping out
- Understanding how water gets contaminated
- Understanding reasons for growth of algae in a lake and its prevention
 - Growth of algae





ENGLISH

Reading and Writing

- Story – Mama Coon Coon
- Poem – The Tummy Beast
- Writing – Making Predictions
- Story – Daily News

Speaking and listening

- Framing questions

Grammar

- Prepositions
- Adverbs
- Tenses

हिंदी

श्रवण व पठन

- कहानी - टप-टप टपका

वाचन व लेखन

- लेख - खेल

व्याकरण

- पोस्टर बनाना

MATHS

MAPPING

- Four directions in the context of a map
- Positions of landmarks
- Reduction and enlargement of figures
- Distance from one place to another
- Floor mapping
- Deep drawing
- Need of a scale in a map (Done in Grade 4 PBL)

DATA HANDLING

- Circle graph and line graph
- Strengthening the idea of scale

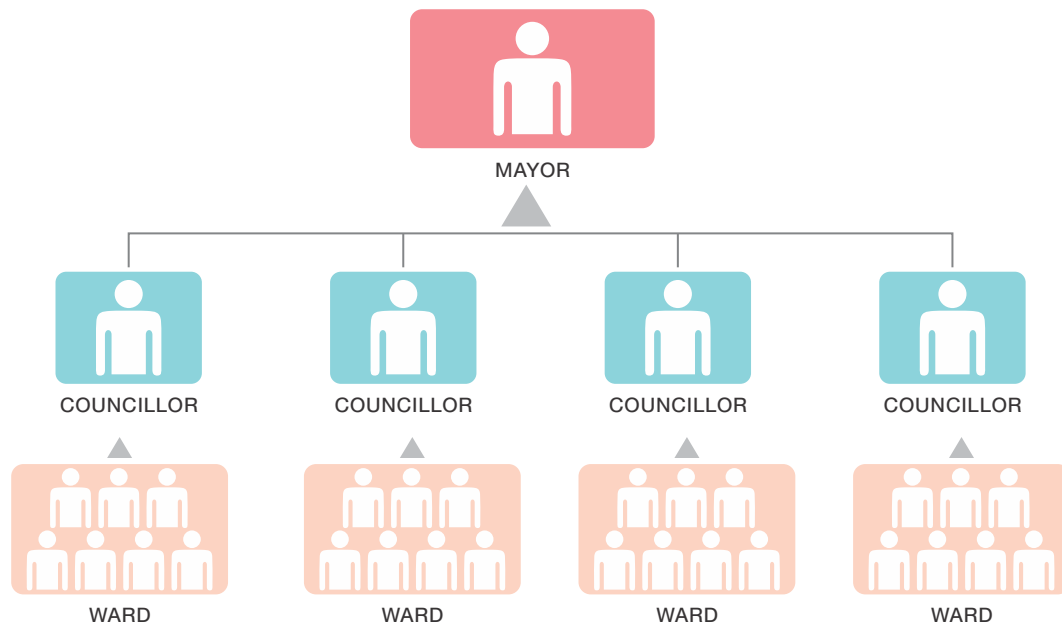
SCIENCE

NATURAL RESOURCES – AIR

Conservation of Natural Resources

- Understanding the need for sources of energy
- Natural resources/fuels that provide energy, their availability





SOCIAL SCIENCE

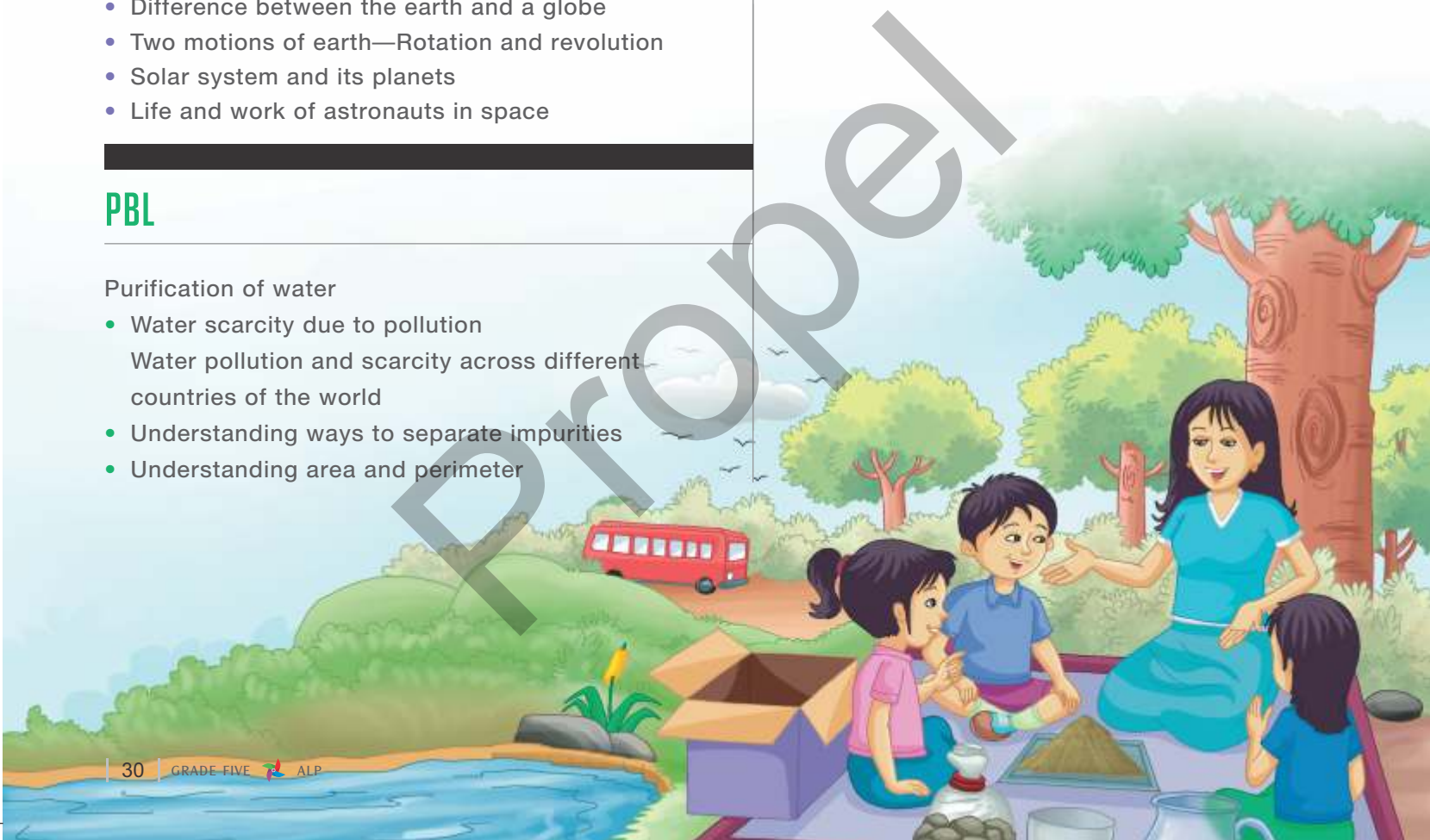
SOLAR SYSTEM

- Locating places on the political map of India
- Locating places on World map
- Difference between the earth and a globe
- Two motions of earth—Rotation and revolution
- Solar system and its planets
- Life and work of astronauts in space

PBL

Purification of water

- Water scarcity due to pollution
Water pollution and scarcity across different countries of the world
- Understanding ways to separate impurities
- Understanding area and perimeter





ENGLISH

Reading and Writing

- Story - The Resort that Wasn't
- Story – Smelly Clyde
- Story – Alvin Ho by Lenore Look

Grammar

- Kinds of Adverbs
- Vocabulary Building

हिंदी

पुनरावृत्ति एवम् Final Examination

MATHS

Revision and Final Examination

SCIENCE

Conservation of Natural Resources

- Types of fuels (natural resources) – Renewable and non-renewable
- Conservation of fuels (natural resources)
- Exploring alternative sources of fuels, their advantages and disadvantages

Revision and Final Examination



SOCIAL SCIENCE

Revision and Final Examination

PBL

Water-borne diseases

- Understanding the relationship between stagnant water and water-borne diseases, namely dengue and malaria
- Interviewing a resource person at school
- Making graphs

Presenting learning in culmination

- Making a model of a lake which is fed by groundwater

