

CLASS 4



A COMIC TEXTBOOK

ENVIRONMENTAL SCIENCE



সমগ্র শিক্ষা
মন্ত্রণালয়
মণিপুর Samagra
Shiksha
Manipur

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A COMIC TEXTBOOK

ENVIRONMENTAL SCIENCE

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& Jafri Elangbam (DTP)

Comic Illustration by NE Brothers Entertainments Pvt. Ltd.

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P R E F A C E

Students of Primary Class love stories, fun and always want to explore. Normal textbooks, many a times, are difficult to read and understand without the help of a teacher or parent. Cartoons and Comics always create the interest amongst students. The main objective for developing Comic Textbooks for Class III, IV and V is to entertain and educate young minds by creating unique illustrated books in comic strips so as to help to them learn easier with fun, retain the characters and stories, arouse curiosity, encourage peer learning, and induce reading habits.

Utmost care has been taken to relate the stories to the cultures and tradition of the State. Effort has also been made to cover the concepts and chapters of the entire Environmental Science IV textbook and also to cover all the Learning Outcomes.

The objectives would not have been fulfilled without the support and help of a large number of dedicated teachers of the Department, Resource Persons from SCERT, Manipur and Samagra Shiksha, Writers and Cartoonist, NE Brothers Entertainments Pvt. Ltd and NEST Advertising and Marketing Pvt. Ltd. The project would not have been brought to this stage without the support and guidance of Dr. Amarendra Behera, Professor and Head of ICT, NCERT and other Team members of NCERT, New Delhi. The project has also the support of Shri Th. Radheshyam Singh, Hon'ble Minister (Education), Manipur for conceptualization of the concepts.

I would appreciate every member of the Comic Team and other Officials of the Department for their support in this yearlong journey that has led to the development of the 3 Comic Textbooks. As the initiative is done for the first time, shortcomings could have been there. Suggestions from the readers for further improvement are welcome.

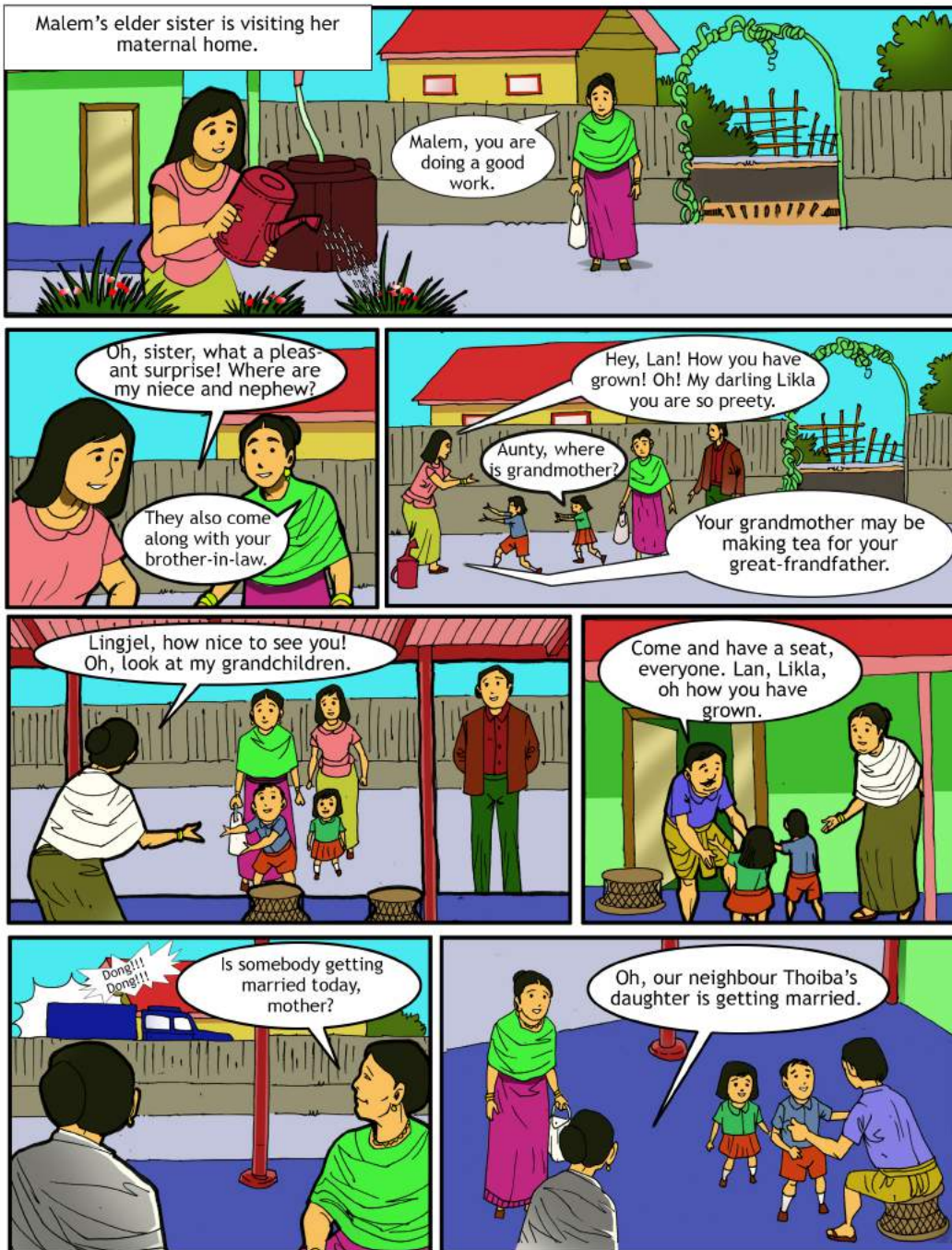
Imphal, the 11th April, 2020.



(Th. Kirankumar, IAS)
Director, Education (Schools) and
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Manipur.

ENVIRONMENTAL SCIENCE

EVS for Class IV
Story 1 Lessons 1 & 2. Mother and Child/My Extended Family





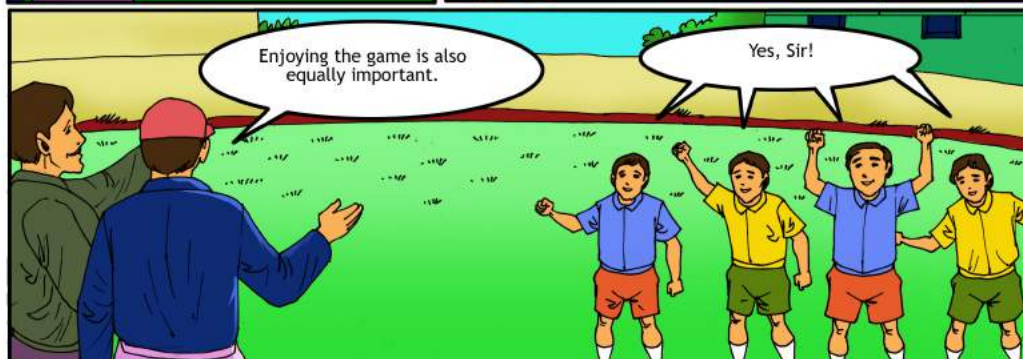
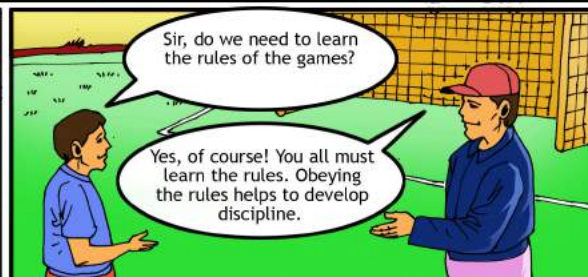
Tips

1. Our family is the first source from where we learn social values.
2. Your paternal and maternal grandparents, uncle, aunty and cousin love you equally.
3. Family members may or may not live together under the same roof, but we should never ignore them.

EVS for Class IV

Story 2 Lesson 3 Fun at Play





Tips

1. Remember, you must have sound health to enjoy games.
2. Maintaining discipline helps develop your personality.
3. Enjoy playing games to keep you fit and healthy.

STORY - 3 - How they learn their skill

LEARNING OUTCOMES ?

Describe different skill work people do such as tailoring, shoe making, farming, art and craft etc.



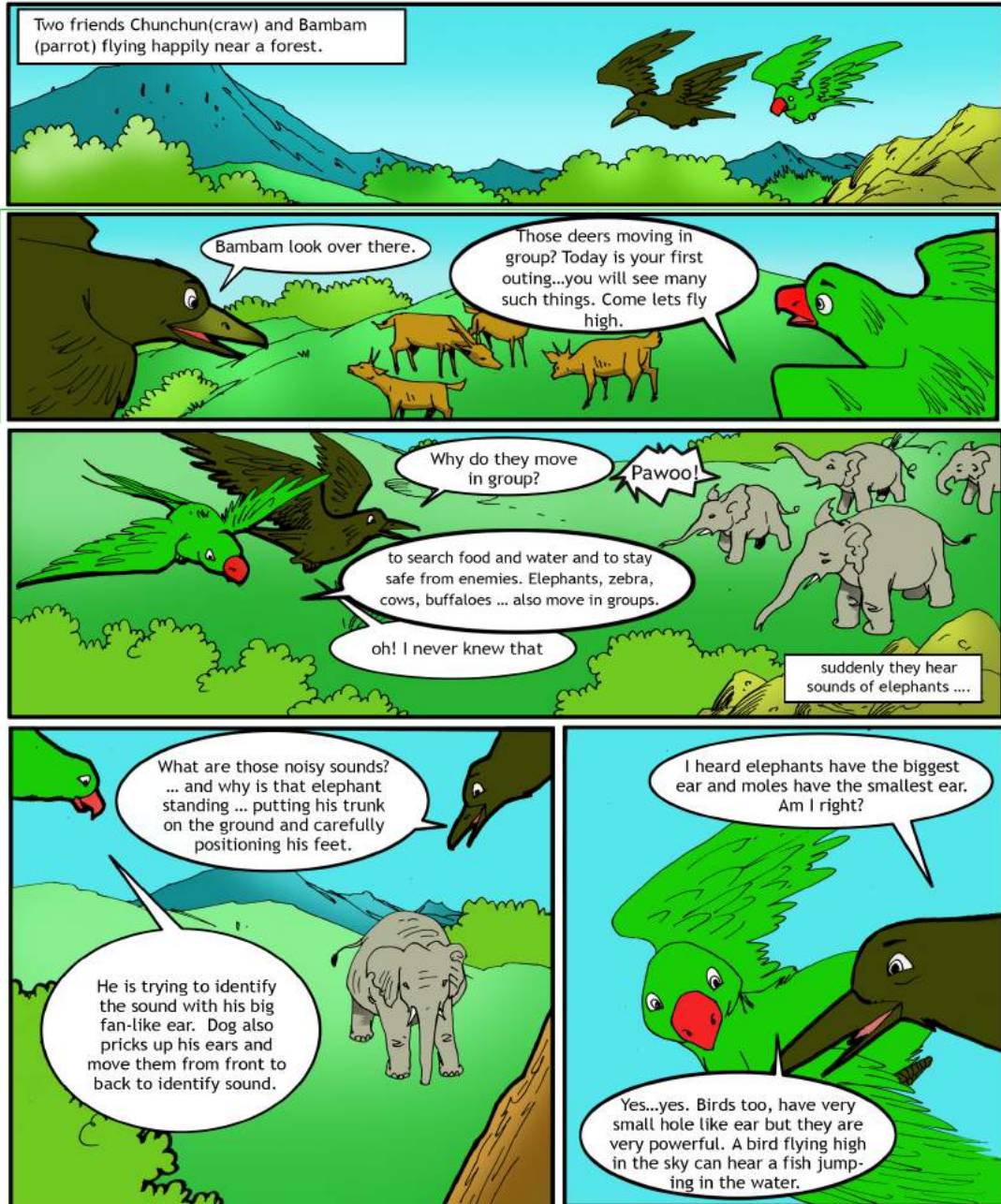


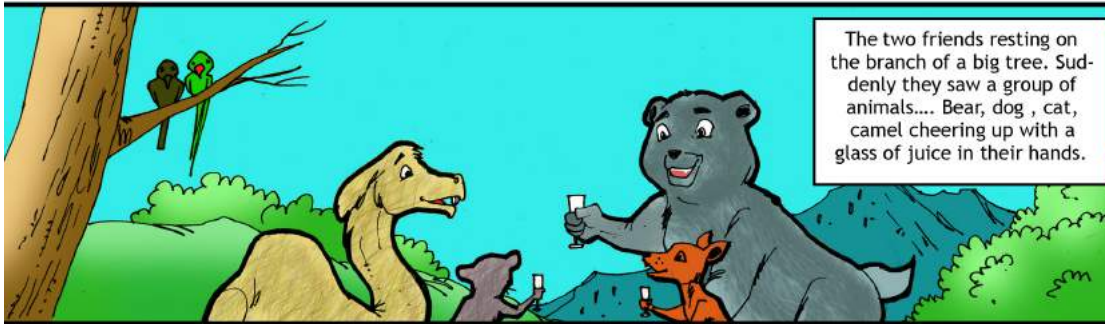
Tips:

1. People are engaged in different trades so that we are provided with various services.
2. To be good in a trade, we need to learn how to develop our skill in the chosen trade.

CLASS IV - EVS

STORY - 4



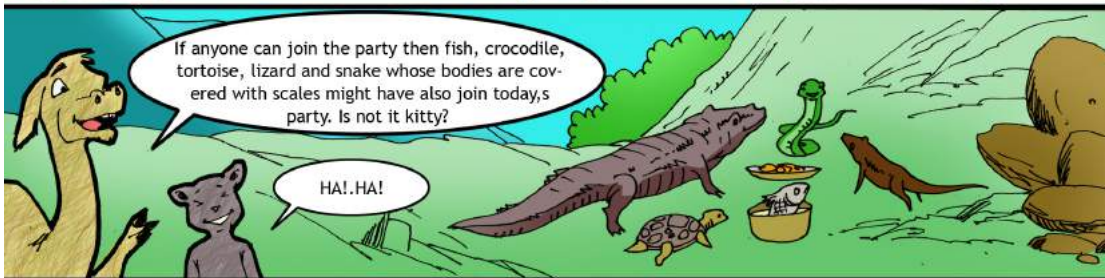


The two friends resting on the branch of a big tree. Suddenly they saw a group of animals.... Bear, dog, cat, camel cheering up with a glass of juice in their hands.



Hello friends, can we join the party?

Ummm...this party is meant for those animals whose bodies are covered with hairs.



If anyone can join the party then fish, crocodile, tortoise, lizard and snake whose bodies are covered with scales might have also join today's party. Is not it kitty?

HA!. HA!



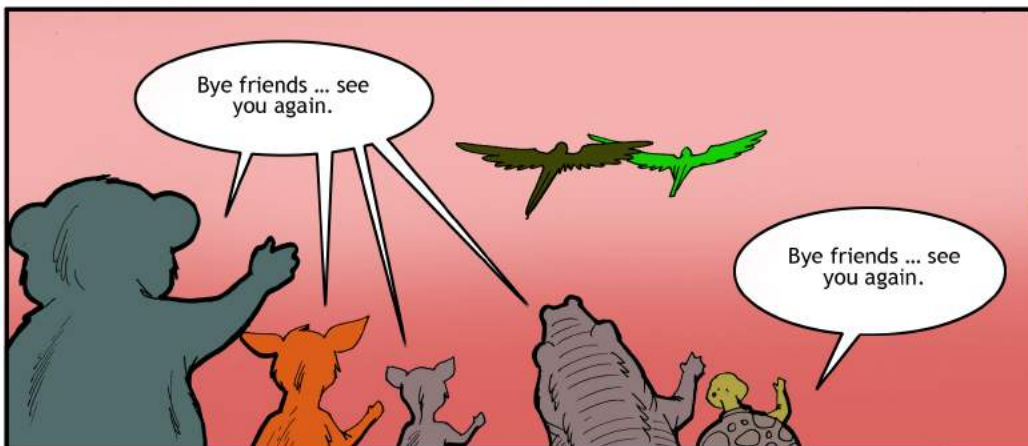
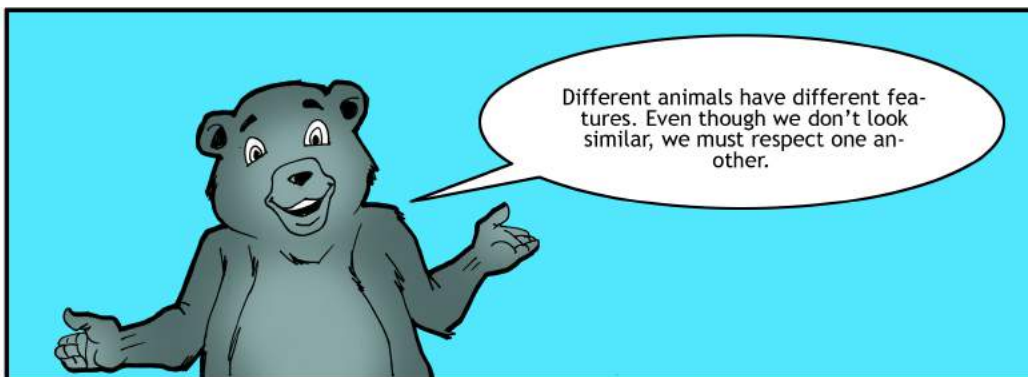
Oh! We could not join the party. Our bodies are covered with feathers. Sorry for disturbing you guys.



It is alright. You can be our guests. Everybody come and chill out...wow



Then comes.... crocodile, snake and tortoise and join the party... the dog offer some foods to the guests and all of them enjoy the party..



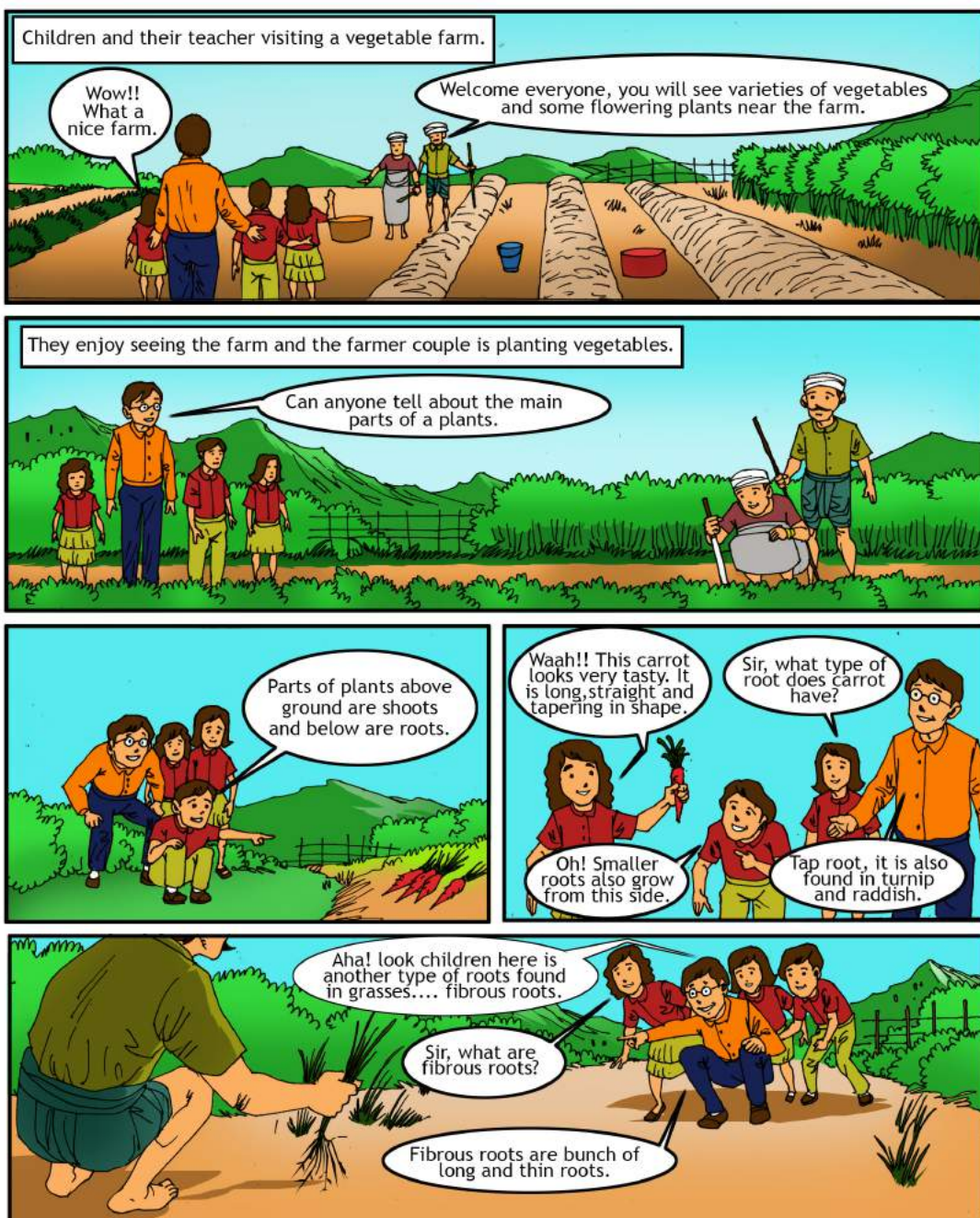
TIPS

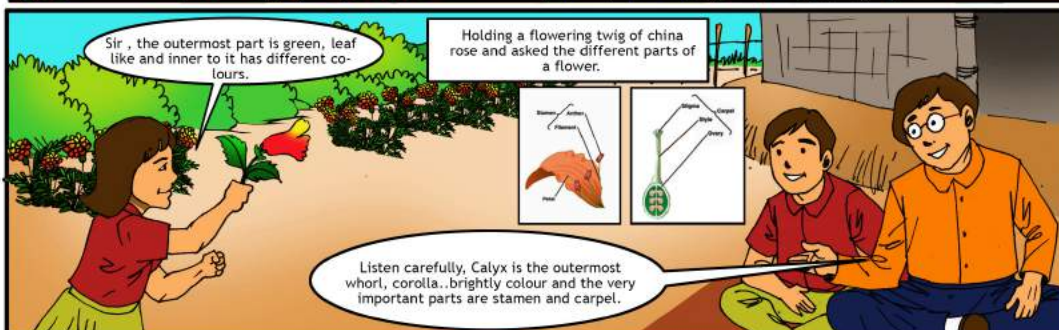
- ? Herd/group behaviour of animals shows that they are also social beings like us.
- ? Bees are social by nature and they live in colonies.
- ? Mammals give birth to young ones and feed their babies with their own milk

STORY-5 (Roots and Flowers of plants)

LEARNING OUTCOMES

- Identifies simple features of flowers and roots in immediate surroundings.



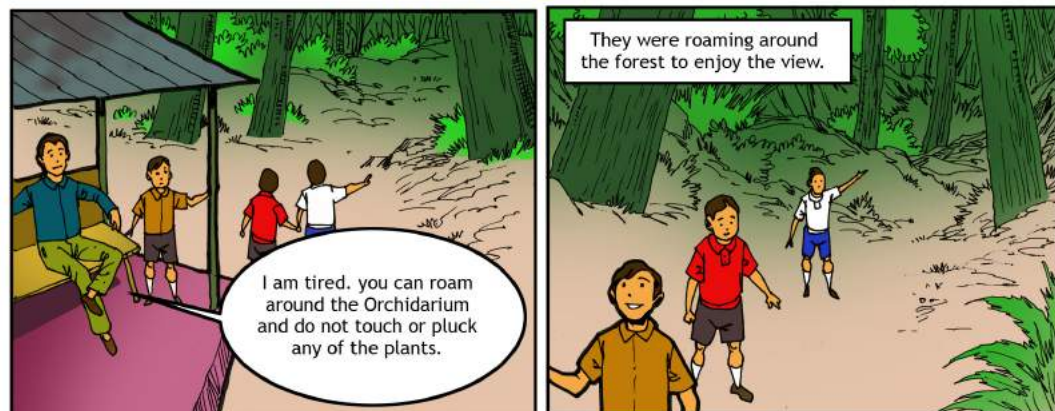
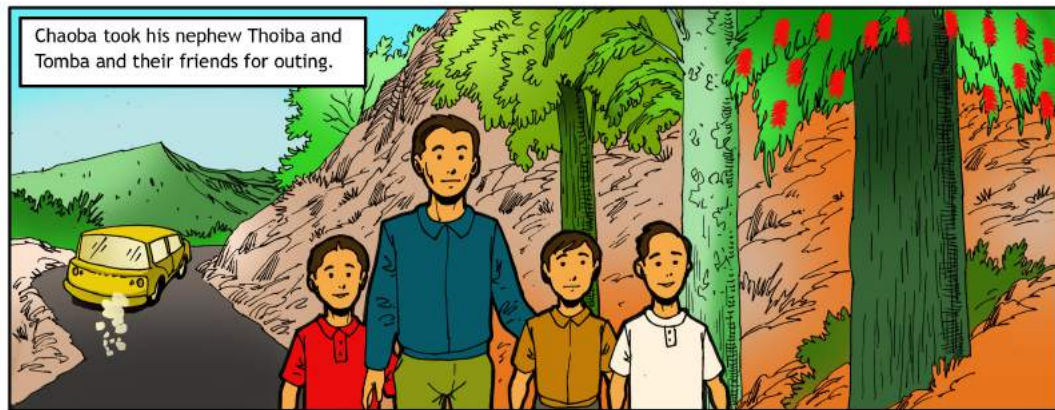


Tips:

1. In Manipur yams, water chestnuts and sweet potatoes are normally eaten.
2. A flower having calyx , corolla , stamens and carpels are said to be complete flower.

Story No. 6 Whom do trees

LO- 15 ..Suggests ways for taking care of



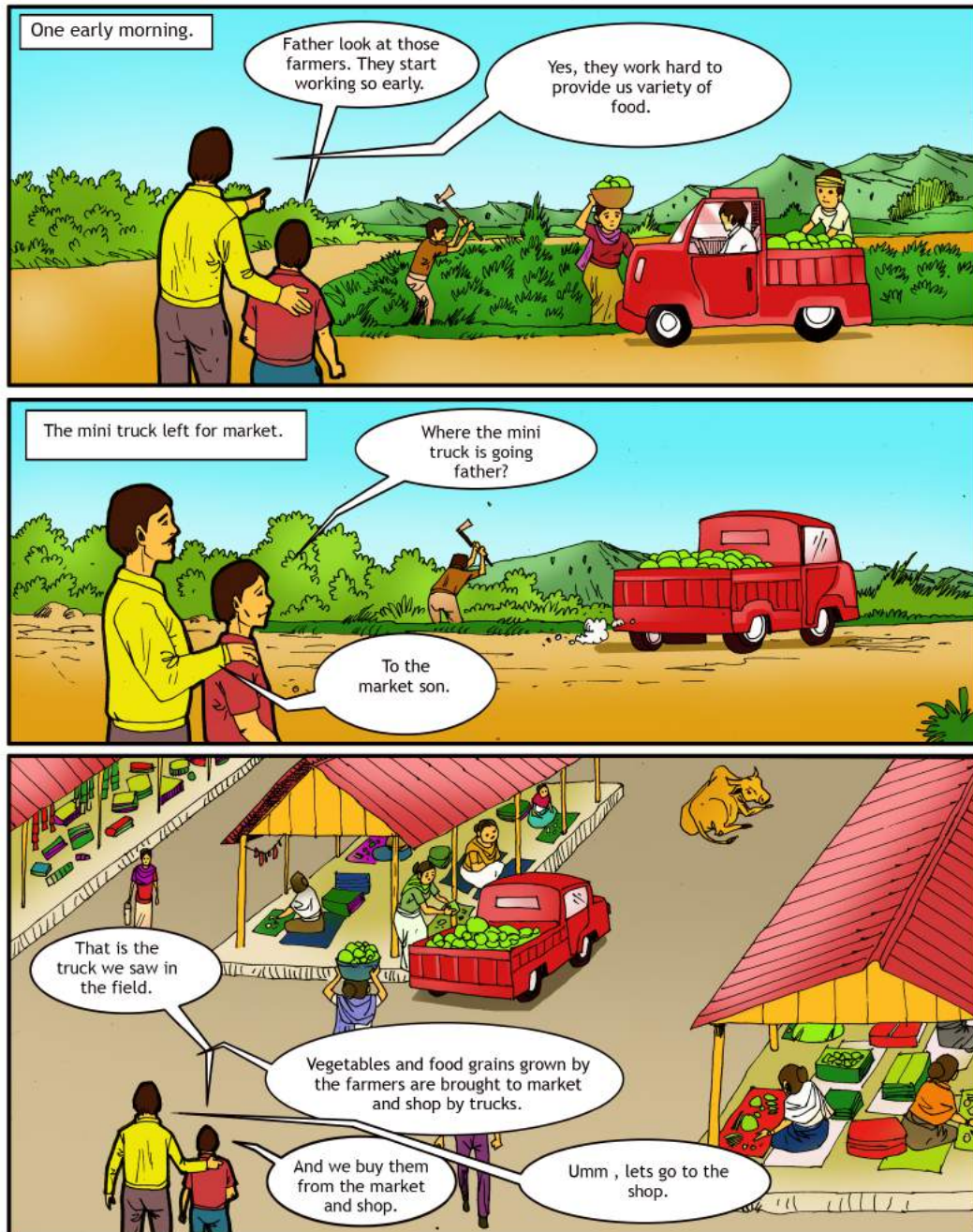


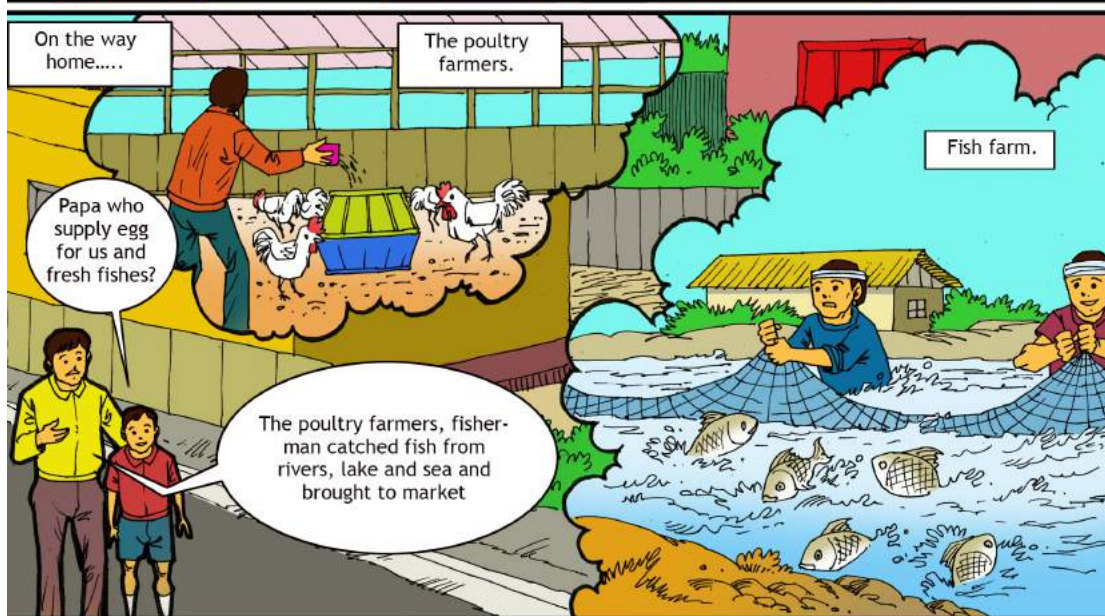


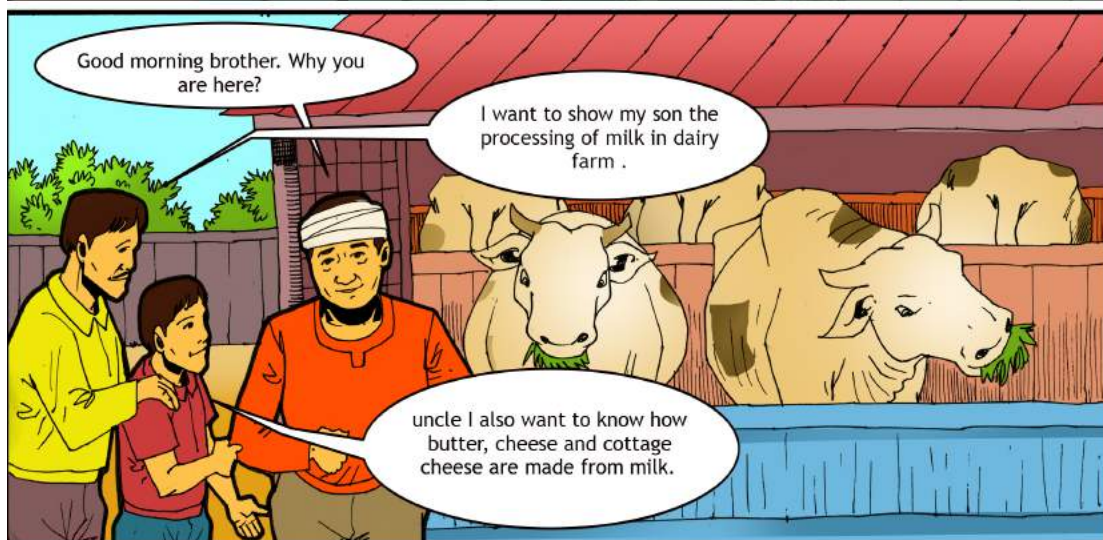
Story 7

How We get our Food

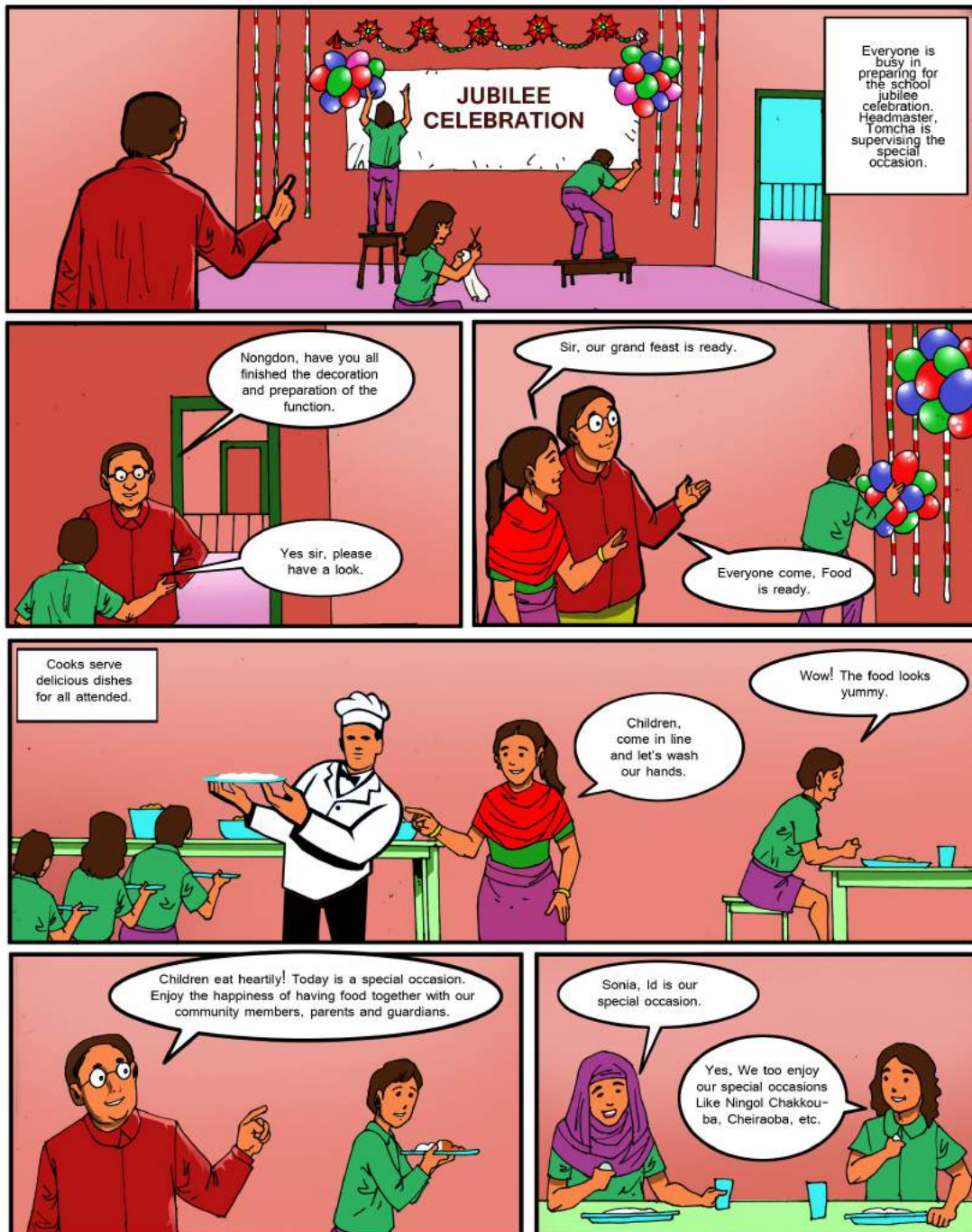
L.O: explains the process of producing and procuring food from source to home.

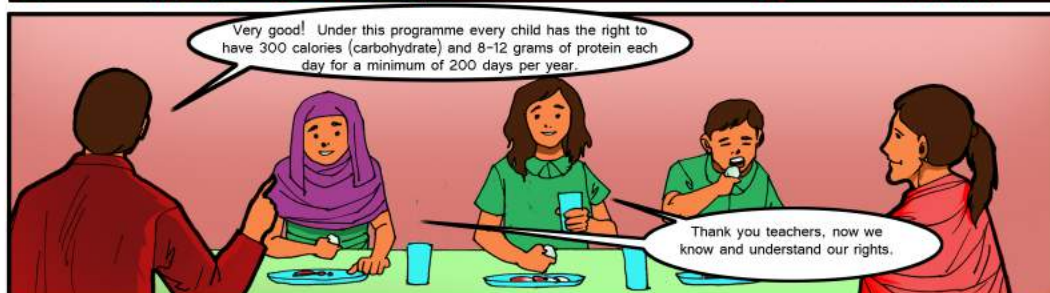
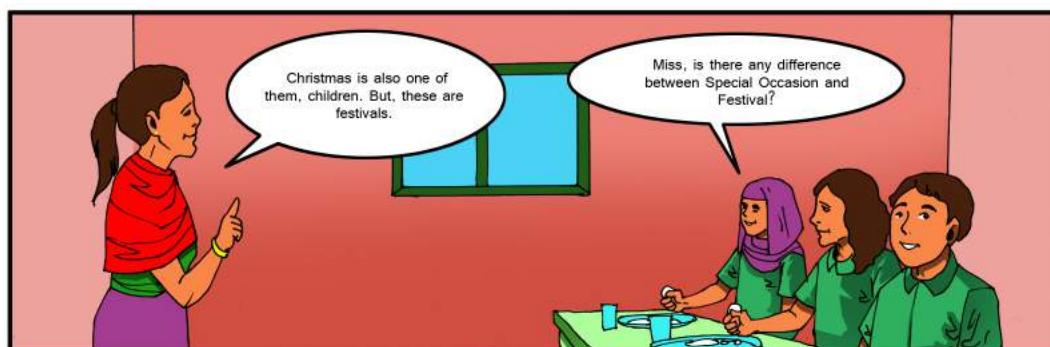






Story 8 Lesson11 Special Occasion



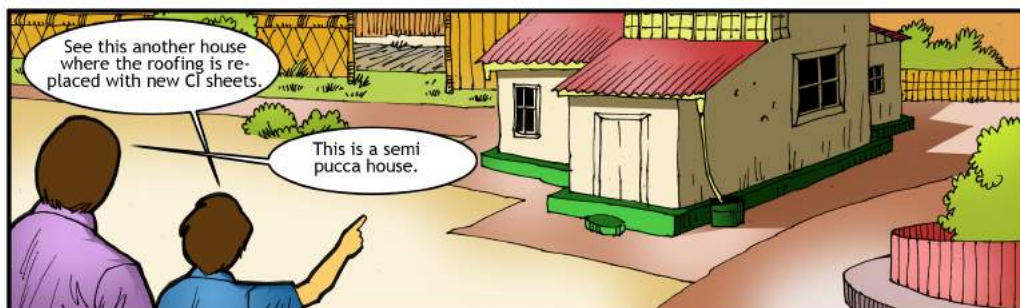
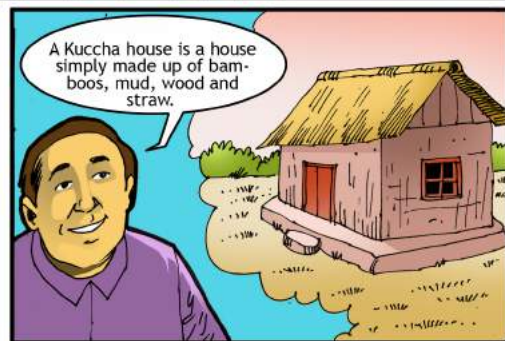
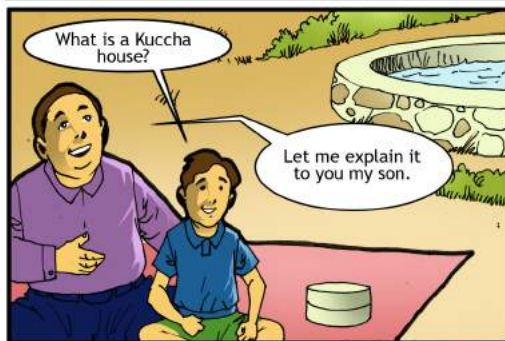
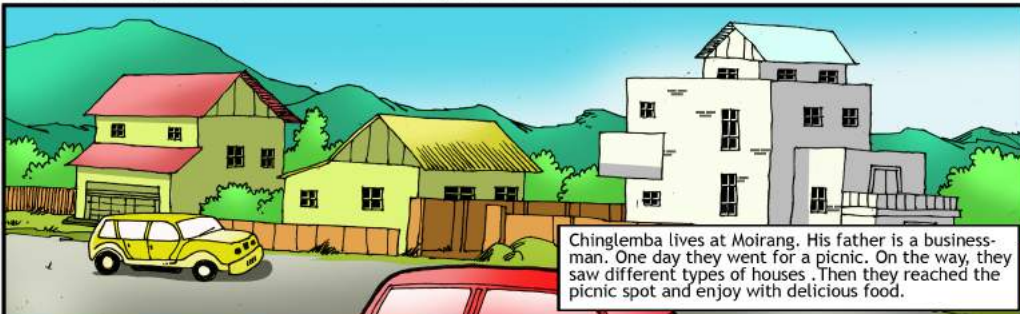


- Tips:**
1. Special occasion provides opportunity to gather and enjoy together.
 2. Festivals and special occasions provide mutual understanding, coordination, belongingness and memories to share for a lifetime.
 3. Mid-Day Meals not only provide daily dietary supplement but also make aware about health, hygiene and child's rights.

Story no. 9 Houses Now and Then

LEARNING OUTCOME

1. Differentiate between houses and construction material used in the past and present
2. Creates collage, designs, models of houses using local/waste materials.





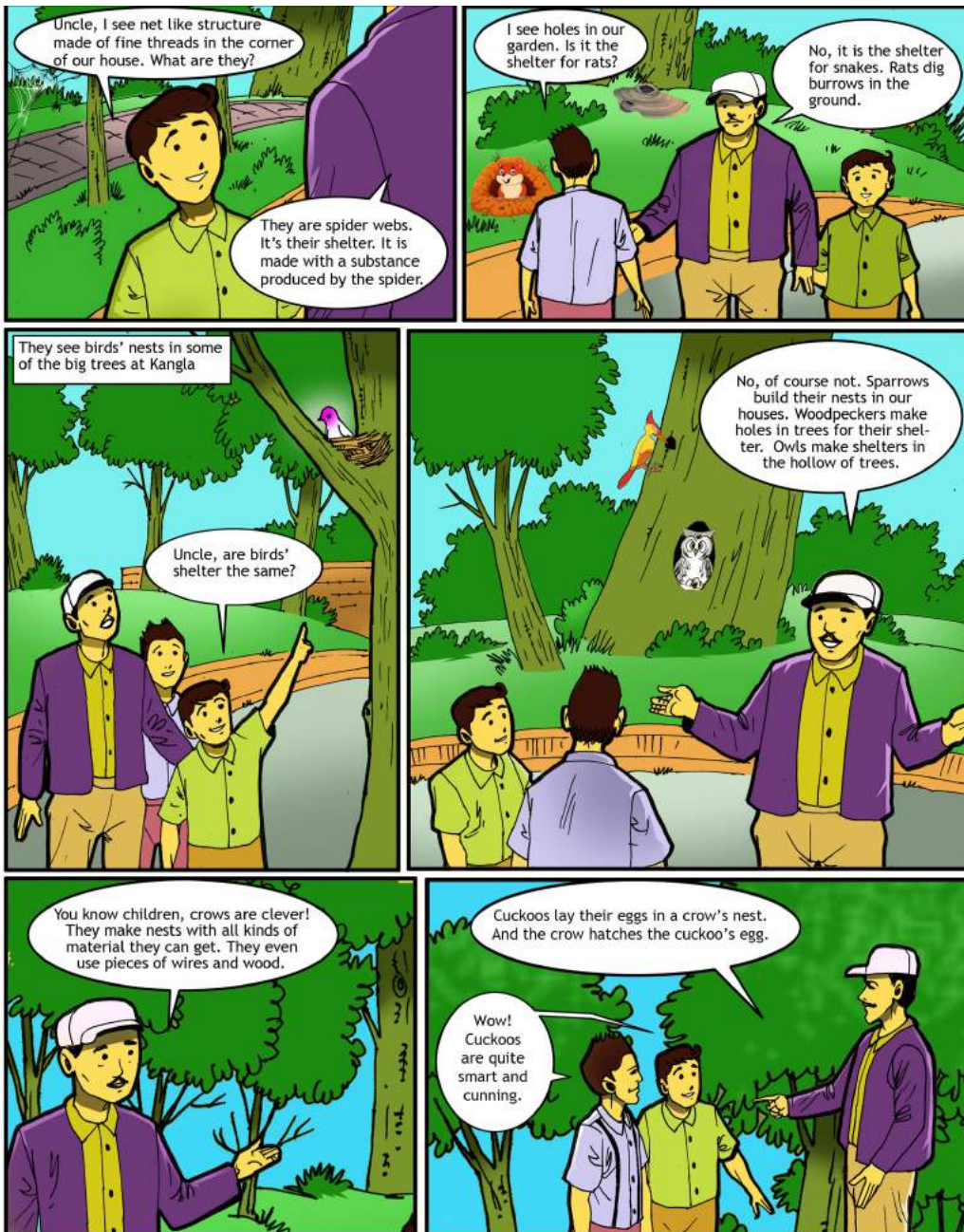
Tips

1. As time changes, people prefer modern structures in place of houses made with bamboo, mud and thatch.

EVS for Class IV

Story No.10 Lesson 15 Where Animals Live



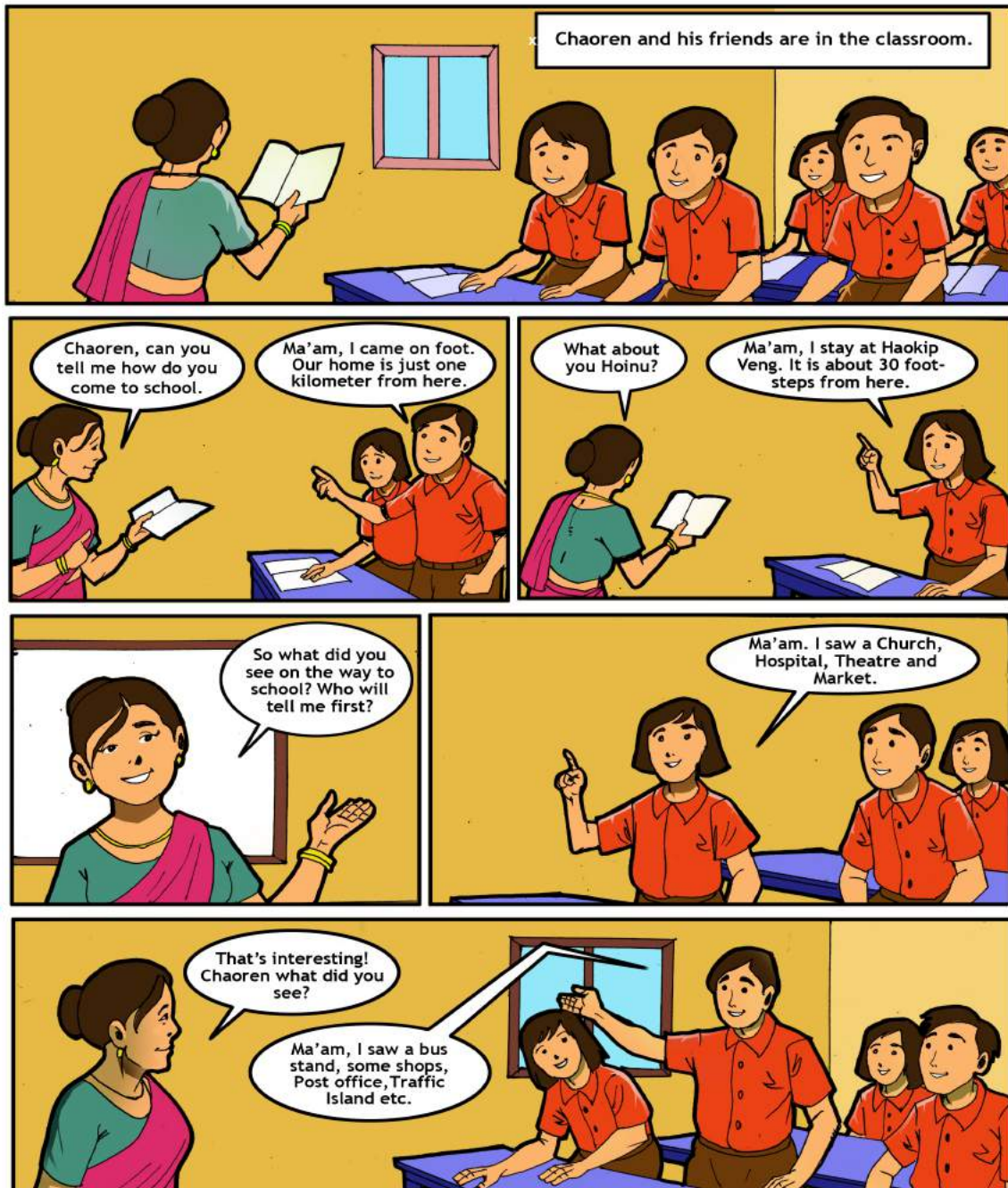


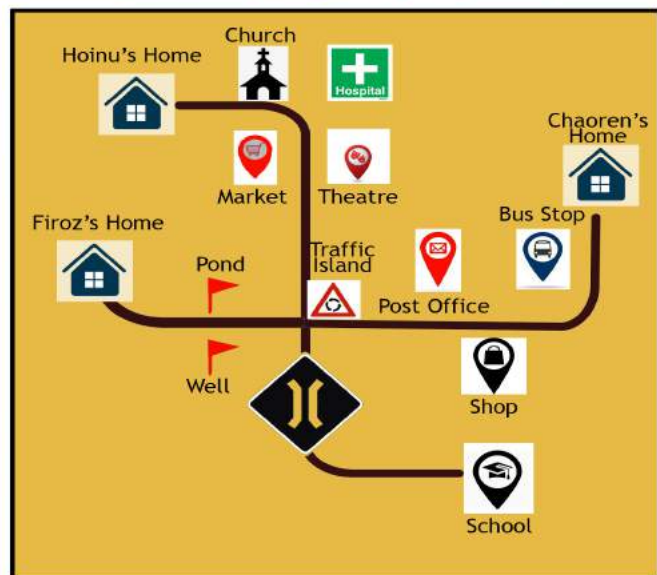
Tips

1. Animals and birds need shelters like us to protect themselves from the heat, cold, rain and enemies.
2. Many birds build their nest high up the tall tree or in cliffs where their enemies cannot reach the new-born chicks.

EVS for Class IV

Story 11 Lesson 16 Mapping Our Neighbourhood



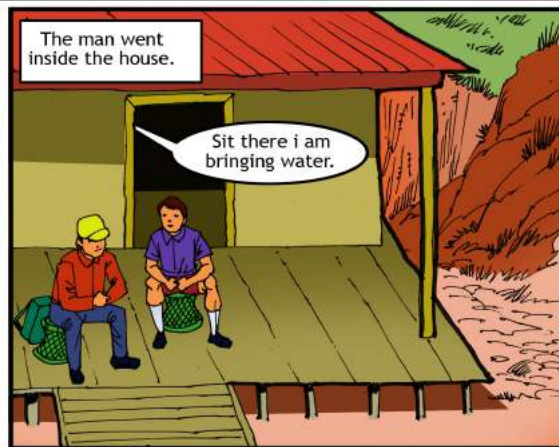


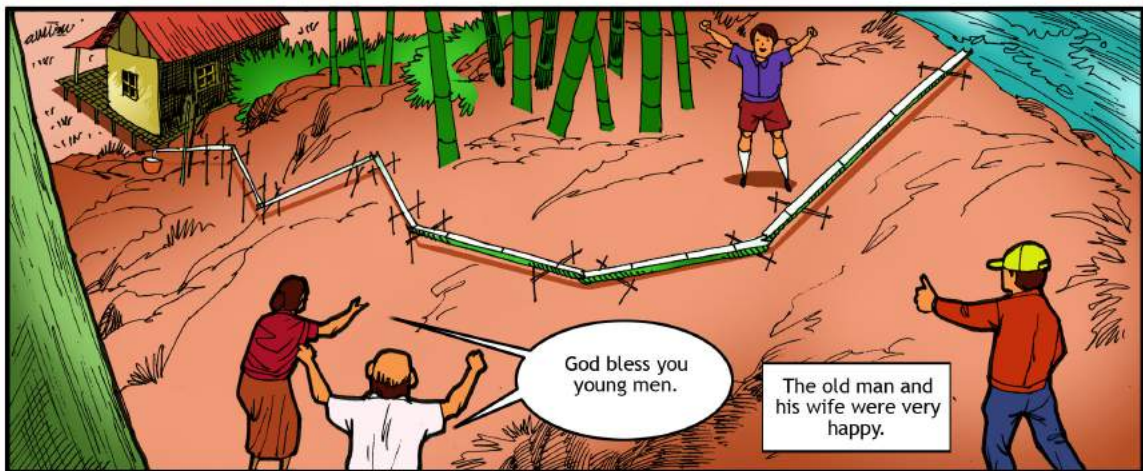
Tips

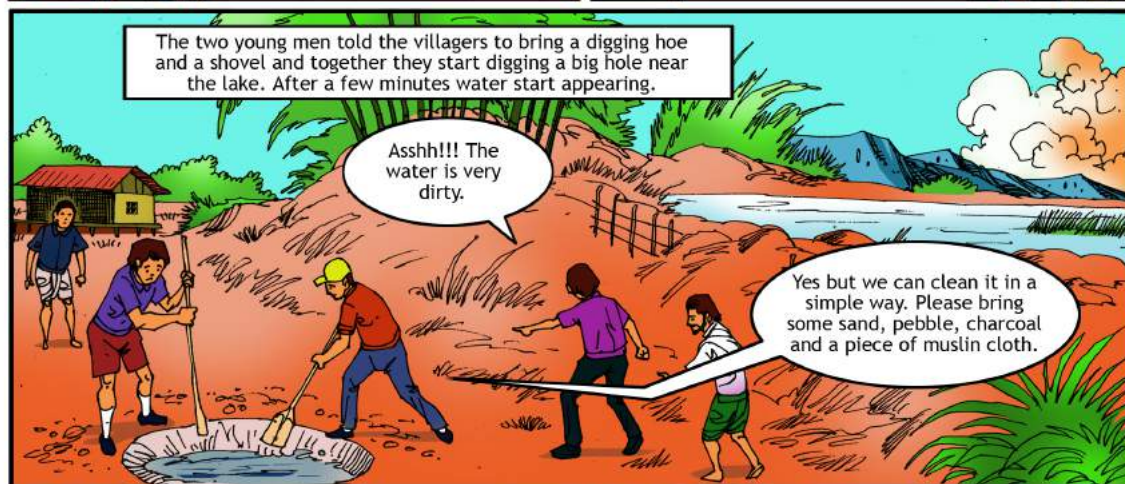
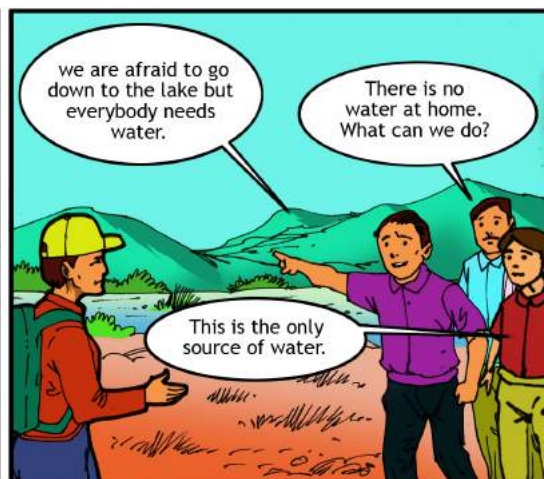
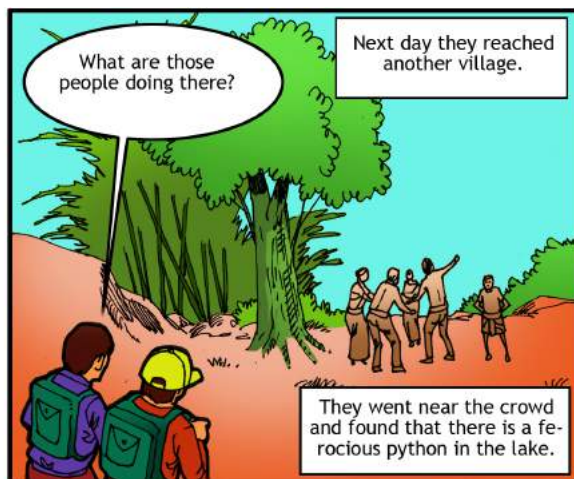
1. Maps help us guide our way when we are travelling in a new place.
2. Recognizing the symbols like road signs, hotels, airports and railway stations in a map helps us find our way better.

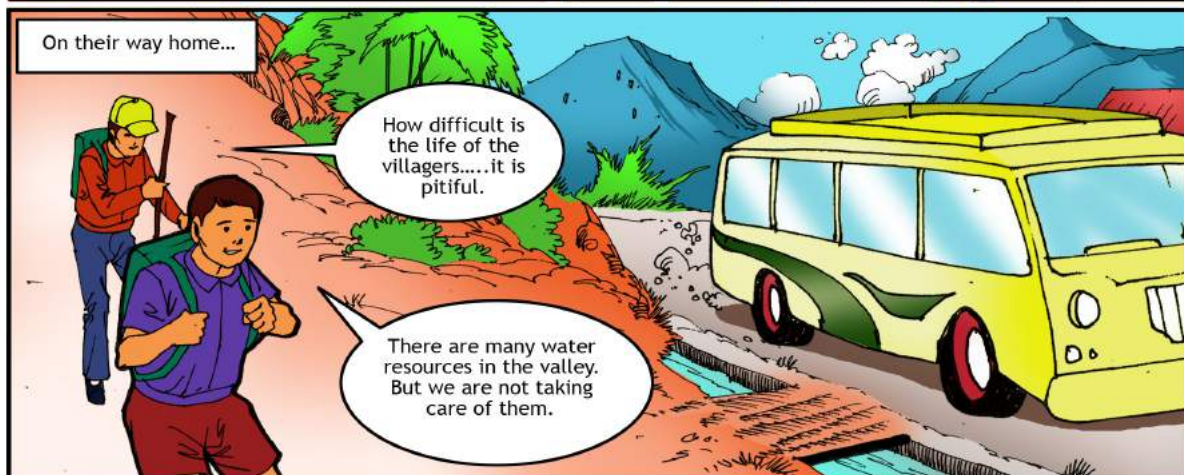
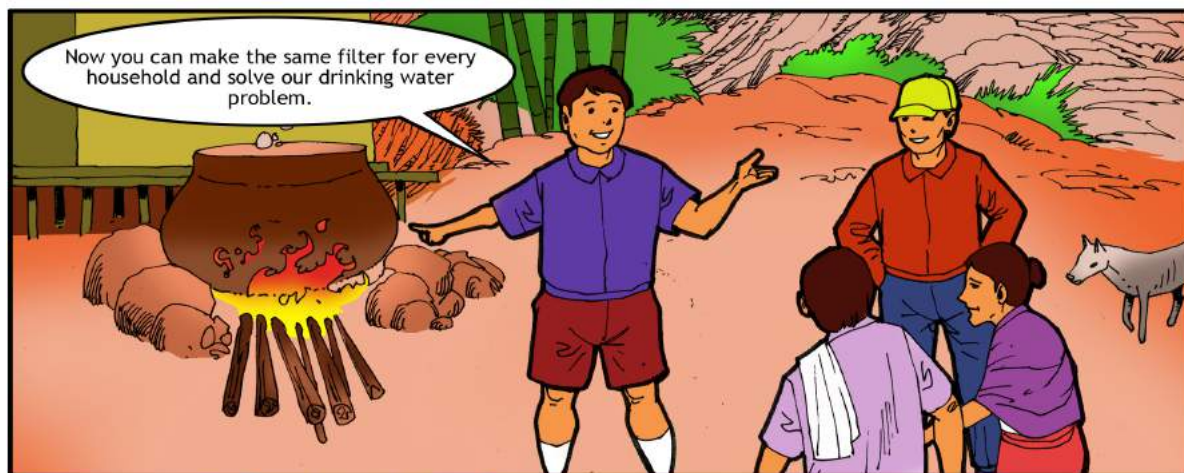
Story - 12

WATER

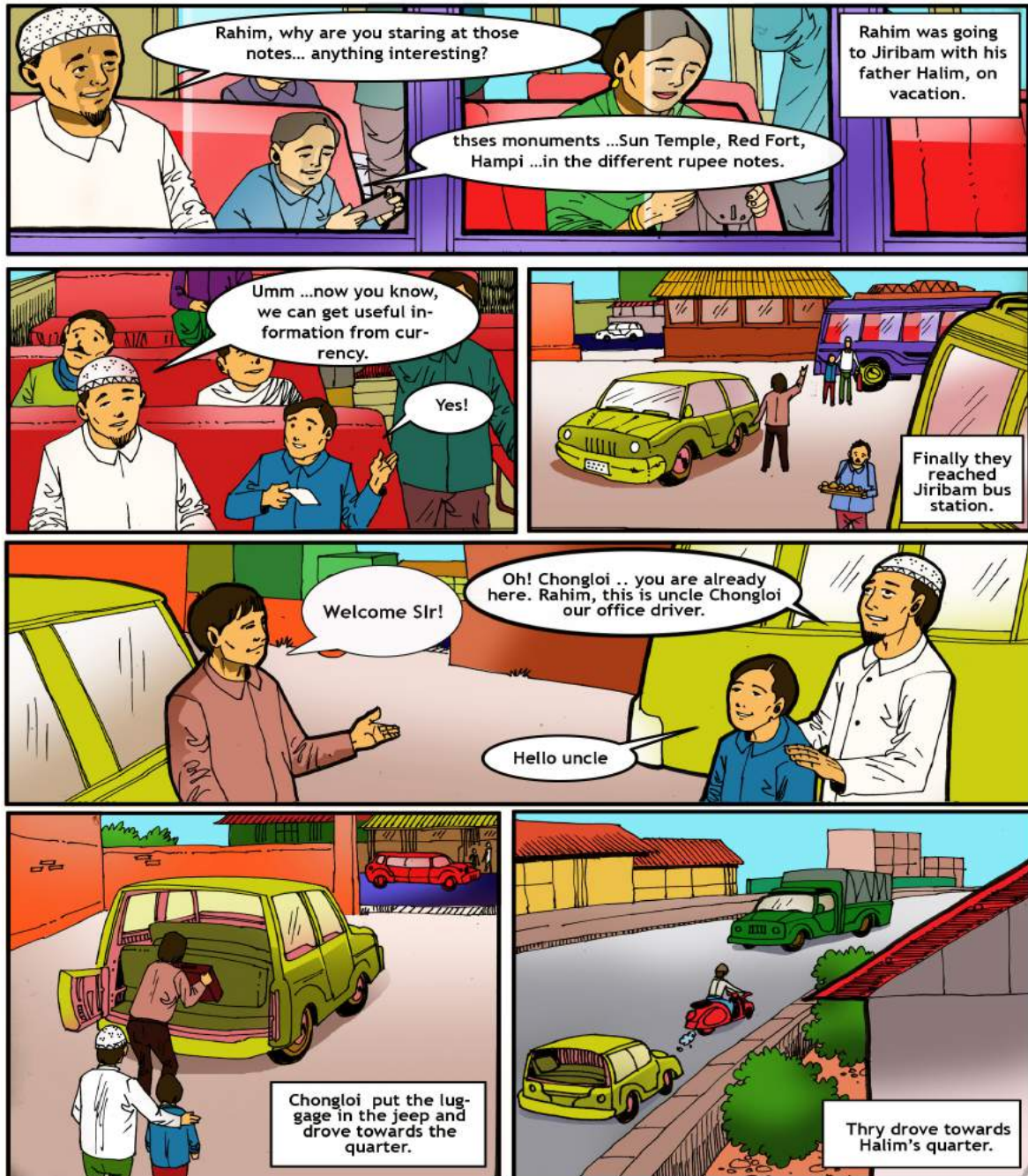


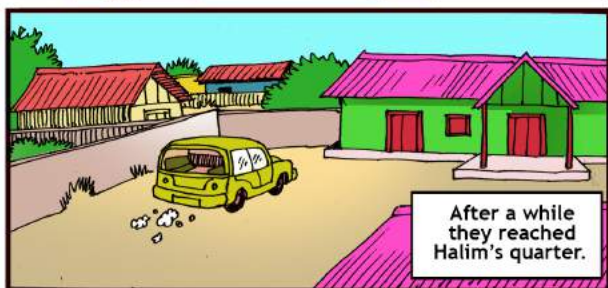
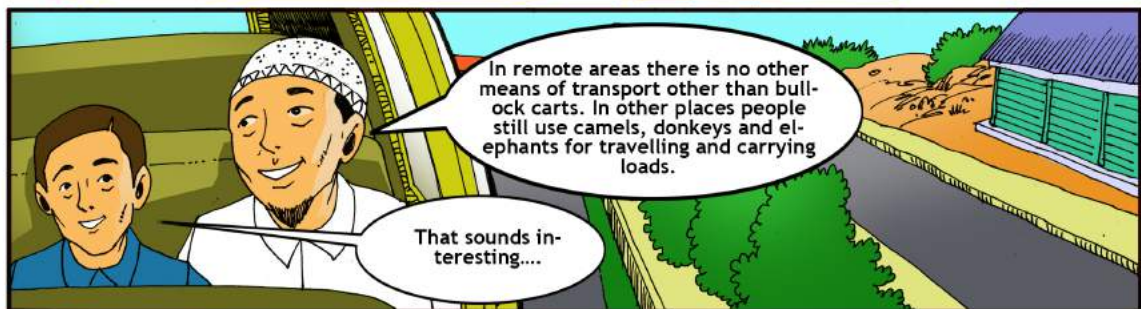
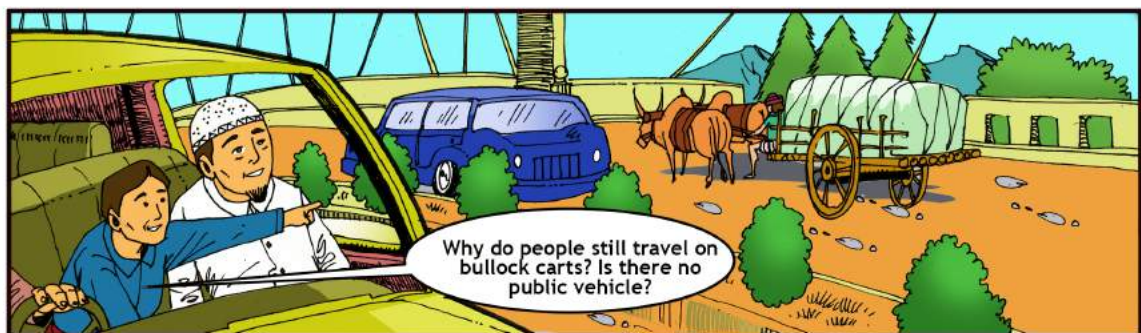


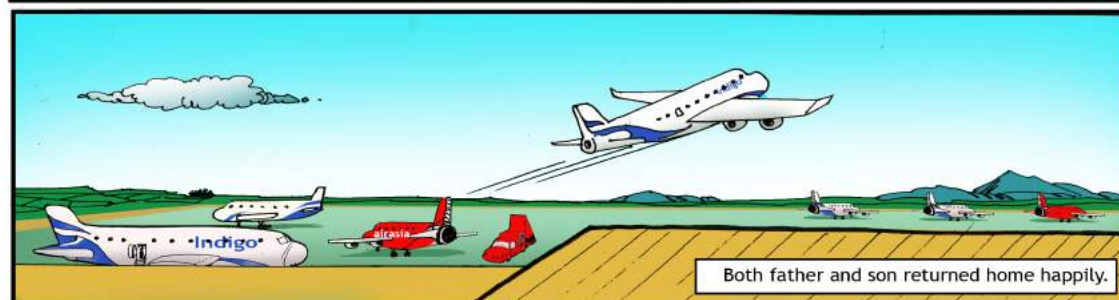
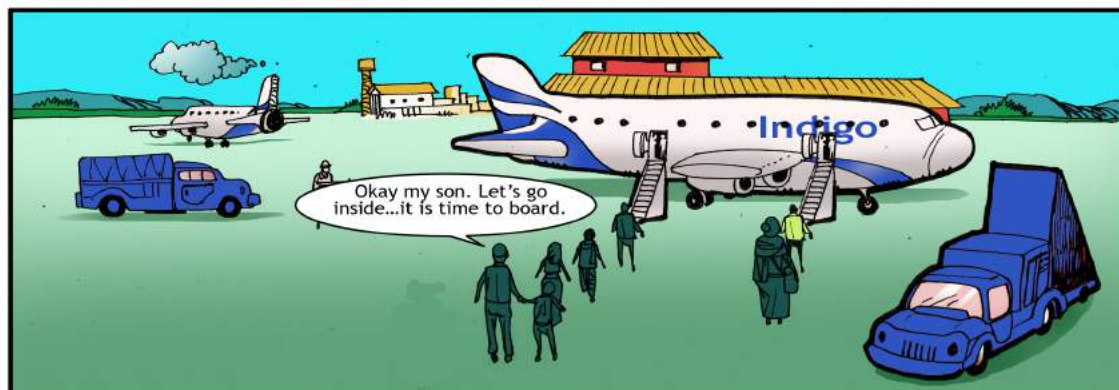
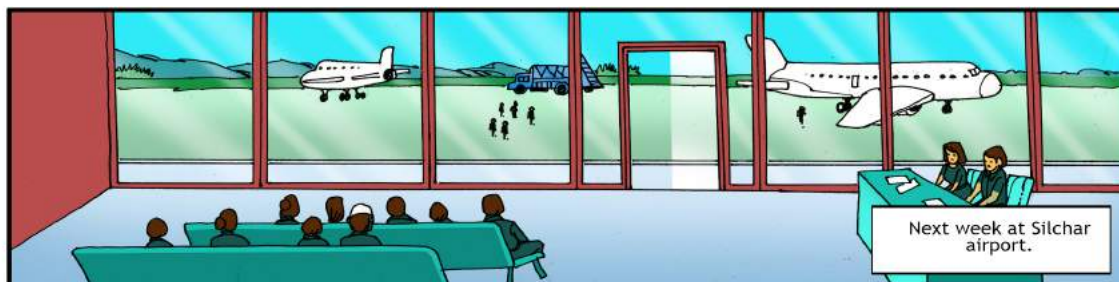




STORY - 13 (Animals and Transport)







LEARNING OUTCOMES

- * Differentiate between various means of transport used in the past and present
- * Record observation/experiences/information of places visited in different ways
- * Uses information on currency and railway/flight tickets

Story – 14

Domestic waste management

1. Categorized waste materials into degradable and non-degradable waste.
2. Suggest ways to reuse and recycle domestic waste materials.





RIGHT TO EDUCATION

"I HAVE THE RIGHT TO GO TO SCHOOL"



Free entitlement under RTE Act 2009:

Free text books, uniforms, free special learning and support materials for CWSN

Provision for 'Special Training'

- If I complete 6 years, I can enter a class with children of my own age.
- If I missed some months or years of school, I can still go to a class in which children of my age are studying. Even If I am 10 years old, I can still go to an age appropriate class and get 'Special Training' to catch up.

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The Integrated Scheme on School Education



The Integrated Scheme on School Education envisages the 'School' as a continuum from pre-school, primary, upper primary, secondary, secondary to Senior Secondary levels.

The Vision of the Scheme is to ensure inclusive and equitable quality education from pre-school to senior secondary stage.

We support Girl Child by opening special schools for them where, apart from Education, fooding and lodging are provided.

SCHOOL FAGATHANSI MISSION

Covers 60 schools (31 High Schools & 29 Hr. Sec. Schools) in the State.
To improve Govt. schools in enrollment & performance of students.
Composite schools (2 years of Pre-Primary classes up to Class X/ XII).
Assured qualified teachers & other gaps.



Department of Education (S),
Government of Manipur