**POLICE DAV PUBLIC SCHOOL, LUDHIANA**
**CLASS IV**

Here's to a summer vacation that's a time for making memories, trying new things, and embracing new experiences that enrich your life.

**ART INTEGRATED PROJECT**

SUSTAINABLE DEVELOPMENT GOALS

# LIFE ON LAND

GOAL 15

#SDGs

**LIFE ON LAND**

Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss
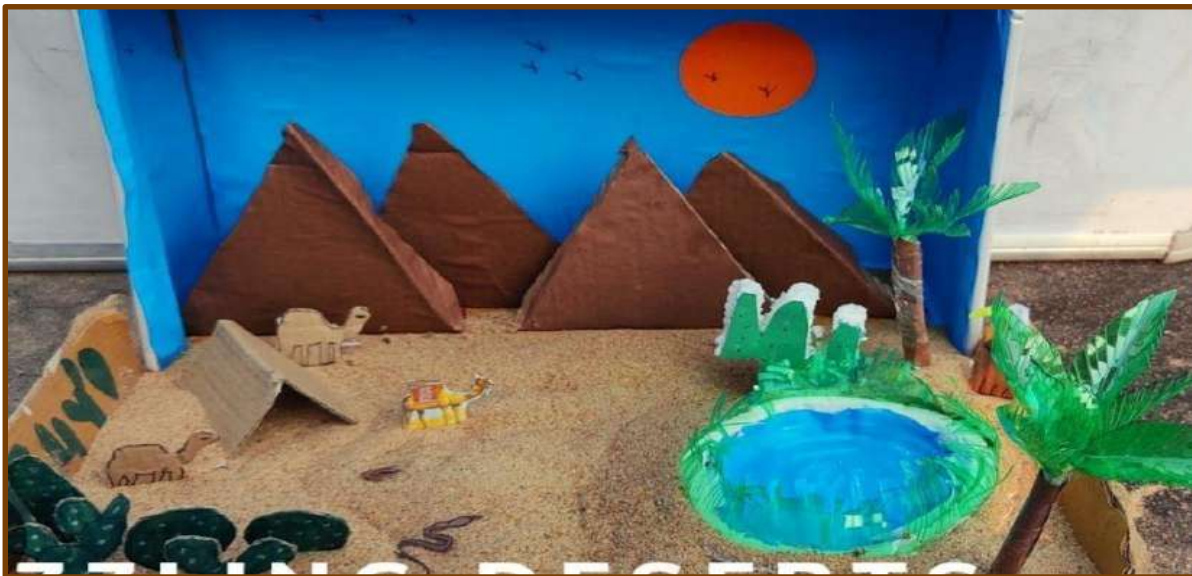
Just like a caravan of camels walking in the desert,be durable against the adversaries of life and walk with decisive steps.

**Learning outcome :**
- .explore the Indian desert
- make the diorama of desert
- label the features of desert.

THE INDIAN DESERT, RAJASTHAN.

**Dazzling Desert**
**Diorama**

For the diorama, materials required:

- a shoebox and some construction papers
- Crayons and acrylic paints
- White glue and craft scissors
- Pencils and paint brushes
- Sand and rocks

## SCIENCE

Learning outcomes : The learners :

1.list the names of various desert plants.

2.write the different characteristics of desert plants.

A desert plant is a plant which is suitable for the environment of arid regions with little rainfall. Desert plants have adapted to the excess of heat and aridity with help of physical and behavioral mechanisms, much the same to desert animals. The plants in desert areas have various modifications to prevent water loss. Their leaves are modified to spines to reduce transpiration. Usually photosynthesis is done by the stem. Students must showcase various desert plants like cactus, desert marigold, desert lily etc. in the DESERT DIORAMA . Students will write and  explain the various characteristics of desert plants on A4 size sheet.

# The Thar Desert

**Learning Outcomes:-** Students comprehend desert environments,highlight the interplay between mathematical concepts and natural ecosystems.

## CASE STUDY

The Thar Desert, located in northwest India, spans over 200,000 square kilometres of arid land. Despite its harsh environment, it supports a surprising diversity of plant life. In the heart of the desert lies an oasis, covering an area of 500 square meters, surrounded by sandy dunes.

Within the oasis, there are 20 date palm trees, 15 neem trees, and 10 khejri trees. Additionally, there are 30 shrubs, 40 grasses, and 25 flowering plants. Each date palm tree produces 50 kilograms of dates, while each neem tree has 100 leaves. The khejri trees provide shade for 5 animals each.

Each flowering plant produces 10 flowers. In total, there are 50 visitors to the oasis, and each visitor collects 3 flowers. There are also 20 birds in the oasis, each consuming 5 dates per day. Additionally, there are 100 insects in the oasis, each consuming 2 leaves per day.

## *Math Calculations:*

1. How many trees are there in total in the oasis?

2. How many kilograms of dates are produced in total?

3. How many leaves are there in total?

4. How many animals can find shade under the khejri trees?

5. How many plants are there in total?

6. How many flowers are there in total?

7. If 20 birds are in oasis and each consume 5 dates per day then how many dates do they consume in a week?

8. How many flowers are collected in total by the visitors?

9. If 50 visitors come to the oasis every day, how many visitors will visit the oasis in a month (30 days?)

10 If 100 insects are in oasis and each consume 2 leaves per day, how many leaves are consumed in a month

(30 days)?

**SUBJECT:MATHS**                                **CLASS- IV**

**General Instruction:-**

**1. Holiday homework to be done on loose sheets .**

**2. Maintain the work neatly in a folder.**

1. Rewrite the Numerals using commas between the periods and Also write the number name.

   a) 856473                          b) 984532

2. Write the Numeral for the given number names.

   a) Six lakh eighteen thousand one hundred two.

   b) Ninety two thousand three hundred forty four.

3. Write the period, place and place value of the encircled digit in each numeral.

   a) 5, 4④, 267                      b) ⑦, 77,853

4. Write in expanded form in three different ways:-

   a) 9, 09,654                       b) 5, 67,300

5. Arrange the following numbers in ascending and descending order:

   a) 4,38,345 ;  45,867 ;  4, 83, 445 ;  4,38,440 ;  43,320

   b) 3,09,834 ;  4,21,580 ;  3,90,834 ;  4,12,850 ;  4,52,250

6. Arrange in columns and add. : -

   a) 8, 45,212 ; 406 and 64,168       b) 4, 35,213 ; 232 ; 1,324

7. Subtract and check the answer: -

   a) 85,965 - 26,732                  b) 7, 15,087 and 2, 99,134

8. Find the Product

   a) 2034 x 345                       b) 796 x 469

9. Solve the following word problems:

a) There are 6,754 men , 2,765 women  and 4,765 children in a town. Find the total population of the town?
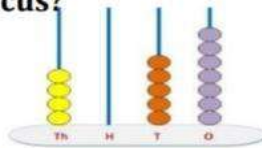
b) Raj purchased a car for ₹ 5, 25,380. He spent ₹ 5,290 on its accessories. Find the amount he spent in all?

c) What must be subtracted from 5,04,964 to get 2,96,132.

d) If Ram solves 24 puzzles in one week. How many puzzles will he solve in 104 weeks?

e) Find the difference of the largest number of six digits and the smallest number of five digits.

1. **The number just before 9990 is _____**
   a) 9991                b) 9909                c) 9988                d) 9989

2. **How many numbers have exactly 2 digits?**
   a) 99                  b) 98                  c) 91                  d) 90

3. **The _____ 3-digit number is predecessor of the smallest 4- digit number?**
   a) Smallest            b) largest             c) same                d) none

4. **_____ has no predecessor.**
   a) 0                   b) 1                   c) 0                   d) 100

5. **_____ is the smallest 4-digit numeral formed by th digits 8,0,6 and 7.**
   a) 0687                b) 7068                c) 6078                d) 7086

6. **We get largest 4-digit numeral by adding one to _____.**
   a) 9980                b) 9998                c) 9989                d) 9899

7. **Standard form of 800 + 9000 + 1**
   a) 8901                b) 8091                c) 9801                d) 8019

8. **Mr. Paul bought mobile for ₹ 5870 , Mr. Rajesh bought mobile for ₹ 5708 ,Mr. Rahul bought mobile for ₹ 5078 and Mr. Rishab bought mobile for ₹ 5087. Who bought the more expensive mobile.**
   a) Rahul               b) Rishab              c) Paul                d) Rajesh

9. **If the place of digit 9 and 4 interchanged in the numeral 9041 then the new numeral is ___**
   a) 1409                b) 4091                c) 9410                d) 1049

10. **Ram had 3402 coins in his collection .How would you write 3402?**
    a) Three four zero two                 c) three thousand forty two
    b) Three four hundred two              d) three thousand four hundred two

11. **There are 96345 dark chocolates and 96340 white chocolates in a box . which type of Chocolate is more in number?**
    a) Dark chocolate      b) white chocolate     c) both                d) none

12. **The ____ is the successor of the smallest 4-digit number.**
    a) 1001                b) 9999                c) 1005                d)100

13. **Identify the number depicted by the abacus?**
    a) 457                 c) 4570
    b) 4057                d) 4750

14. **The successor of a numeral can be found by _____one from numeral.**
    a) Dividing            b) adding              c) multiplying         d)subtracting

15. **The place value of 2 in 2548 is _____**
    a)200                  b) 2020                c) 2000                d) 2002s

**Learning Outcomes**

**Students are able to**

- describe different features of camels.
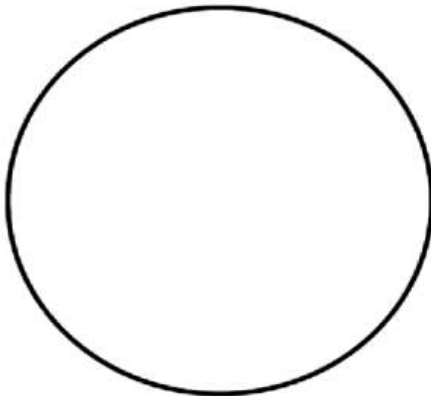
**On  A4 size sheet students will make an animal report on Camels. Sample for the same has been shared below.**

name _____

Animal Report

Name of the animal:

Drawing

Animal Features:
_____
_____
_____
_____
_____
_____

Information

Habitat: _____

_____

Food: _____

_____

Home: _____

**Police DAV Public School**
**Class IV English**
**Holidays Homework**

**Q1. Identify Common Nouns, Proper Nouns and Collective Nouns in the following story and colour the nouns using the colour code given below.**
**Common Noun (Yellow Colour)      Proper Nouns (Red Colour)**
**Collective Nouns (Green Colour)**

**\*\*The Exciting Field Trip\*\***

Last Friday, Mrs. Johnson's class went on an exciting field trip. The students were thrilled as they boarded the bright yellow bus. Their destination was the City Museum, a place filled with wonders and ancient artifacts.

As they arrived, the class gathered around the entrance. Mrs. Johnson called out, "Everyone, please stay with your group. We don't want anyone getting lost."

Inside the museum, the children were amazed by the giant dinosaur skeleton towering above them. "Look at that, Emily!" shouted John, pointing to the impressive Tyrannosaurus rex.

They moved from exhibit to exhibit, seeing paintings, sculptures, and even a model village that showed life from centuries ago. The museum guide, Mr. Adams, explained the history behind each item.
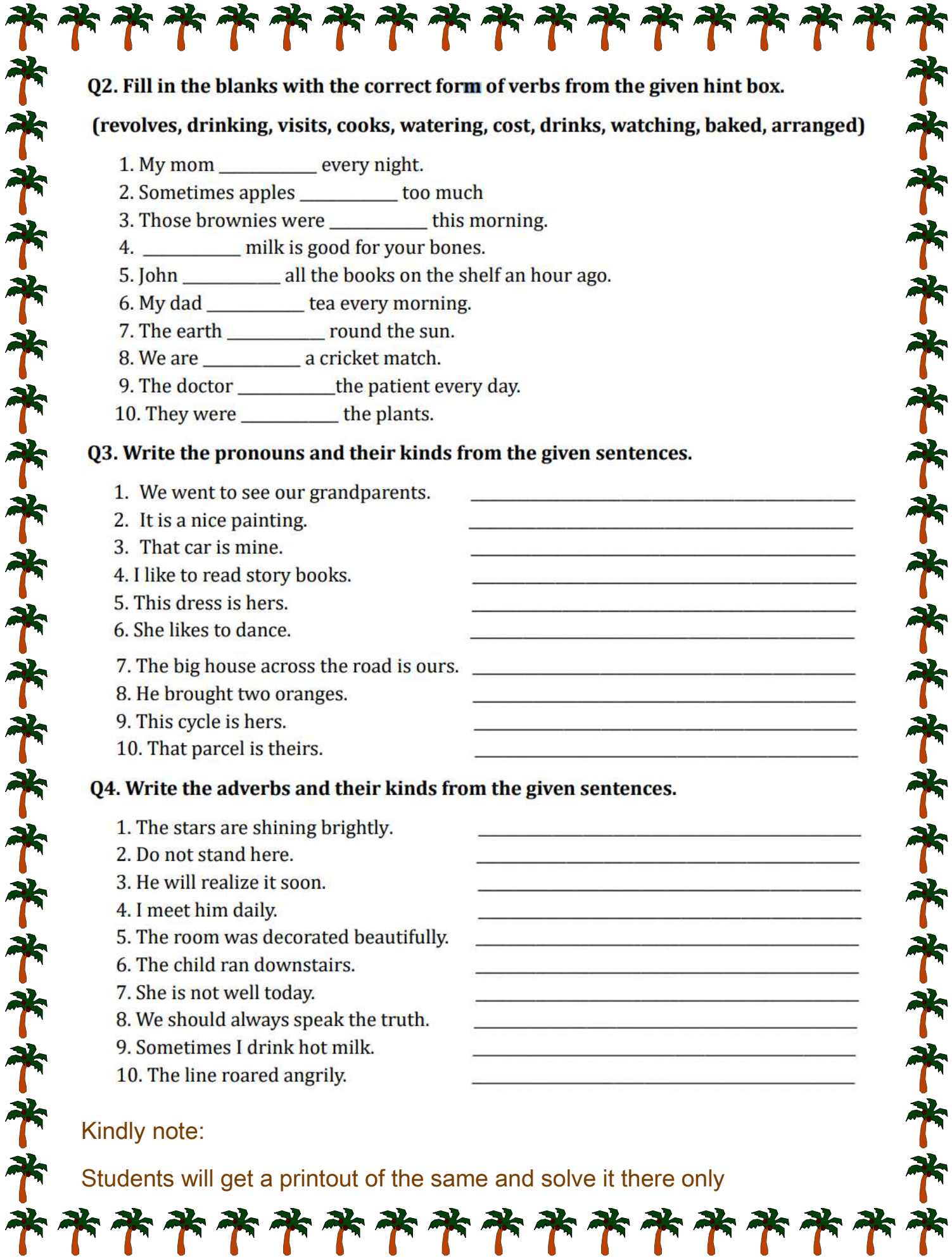In the afternoon, the class went outside to the museum's beautiful garden. They had their lunch under a huge oak tree, enjoying the warm sunshine. A flock of birds flew by, creating a picturesque scene.

As the day ended, Mrs. Johnson gathered the students for a final headcount. "Did everyone enjoy the trip?" she asked.

"Yes!" the children replied in unison, their voices echoing through the garden.

The class boarded the bus again, tired but happy, carrying memories of a fantastic day at the City Museum.

**Q2. Fill in the blanks with the correct form of verbs from the given hint box.**

**(revolves, drinking, visits, cooks, watering, cost, drinks, watching, baked, arranged)**

1. My mom _____ every night.
2. Sometimes apples _____ too much
3. Those brownies were _____ this morning.
4. _____ milk is good for your bones.
5. John _____ all the books on the shelf an hour ago.
6. My dad _____ tea every morning.
7. The earth _____ round the sun.
8. We are _____ a cricket match.
9. The doctor _____ the patient every day.
10. They were _____ the plants.

**Q3. Write the pronouns and their kinds from the given sentences.**

1. We went to see our grandparents. _____
2. It is a nice painting. _____
3. That car is mine. _____
4. I like to read story books. _____
5. This dress is hers. _____
6. She likes to dance. _____

7. The big house across the road is ours. _____
8. He brought two oranges. _____
9. This cycle is hers. _____
10. That parcel is theirs. _____

**Q4. Write the adverbs and their kinds from the given sentences.**

1. The stars are shining brightly. _____
2. Do not stand here. _____
3. He will realize it soon. _____
4. I meet him daily. _____
5. The room was decorated beautifully. _____
6. The child ran downstairs. _____
7. She is not well today. _____
8. We should always speak the truth. _____
9. Sometimes I drink hot milk. _____
10. The line roared angrily. _____

Kindly note:

Students will get a printout of the same and solve it there only

## Hindi

उद्देश्य:
- छात्रों में वाचन कौशल का विकास करना।
- छात्रों को राजस्थानी जीवन शैली से परिचित करवाना

अधिगम प्रतिफल:
- छात्र स्वरचित कविता करने लगेंगे।
- छात्र राजस्थानी जीवन शैली से चित्र परिचित होते हुए उसमें रुचि लेने लगेंगे।


- ❖ वाचन कौशल के विकास हेतु राजस्थान जीवन शैली से संबंधित एक स्वरचित कविता तैयार कर उसे एक A4 शीट पर लिखें और राजस्थानी पोशाक का आकार देते हुए उस शीट को डायोरामा ( Diorama) पर अंकित करें ।


## Punjabi

ਪਿਆਰੇ ਵਿਦਿਆਰਥੀਓ ਮਾਰੂਥਲ ਦੇ ਜਹਾਜ਼ -' ਊਠ' ਦੀ ਫੋਟੋ  A4 ਸ਼ੀਟ 'ਤੇ ਚਿਪਕਾ ਕੇ ਉਸ ਨਾਲ ਸੰਬੰਧਤ ਮਨਘੜਤ ਕਹਾਣੀ ਲਿਖੋ।

**ਸਿੱਖਣ ਦੇ  ਸਾਰ :**

1.ਵਿਦਿਆਰਥੀਆਂ ਦੀ ਕਲਪਨਾ ਸ਼ਕਤੀ ਵਿੱਚ  ਵਾਧਾ ਹੋਵੇਗਾ।

2. ਵਿਦਿਆਰਥੀ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਨੂੰ ਲਿਖਣ ਦੇ ਯੋਗ ਹੋਣਗੇ।