



# RUKMANI BIRLA MODERN HIGH SCHOOL

SESSION 2021 - 2022

CLASS- 4

## SUMMER HOLIDAY ASSIGNMENT

**Theme- Five Elements of Nature**

**Dear Children**

**As the summer holidays have commenced we would like to take the opportunity to wish you a safe and fun-filled summer break.**

**Enjoy your break to the fullest but at the same do time do remember to spend quality time in studies and reading books.**

**Here are the ways by which you can make your holidays fun and learn at the same time.**

**Observe and discuss with your parents the wonders of flowers opening, new leaves emerging, sun rising, flock of birds taking off or coming back , phases of moon etc. Discover the childhood of your parents and grandparents, through picture album and ask them stories about it.**

**Help your parents in small household chores like cleaning the cupboards, watering the plants, making the bed, fireless cooking etc.**

**Keep your screen time limited. Avoid video or mobile games instead learn to play interesting games like scrabble. Pictionary, chess etc.**

**Spend some time doing yoga, exercise, meditation etc for mental health and physical fitness. Improve your handwriting by practicing daily.**

## General Instructions:

1. Holiday home work must be done in a very neat and presentable manner.
2. Questions must be done in the given sequence.
3. The child will be assessed for the presentation, neatness, completion of the given questions and timely submission.

## English

**Note: Learn this poem**

### FIVE ELEMENTS OF NATURE

God watches over his wonderful creations  
Nature creates, protects, destroys per se  
Fire, Water, Air, Earth and Sky work on  
Nature's Five elements thrive for life

Water flows through lands reviving Life  
Frozen water becomes hard ice  
Flowing, floating, rain and clouds moist  
Stays for years and years as Sea

Sun awakes and warms up Life  
Fiery sun makes dry Blaz, sand bake  
Bright energetic, all filled with warmth  
Been there, shall be to adorn the sky

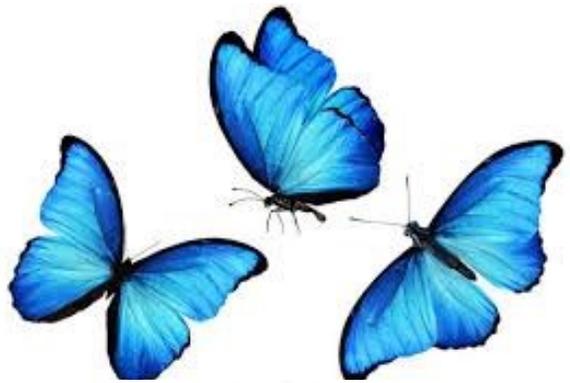


The fresh air we breathe for Life  
Breeze blows away the seeds  
Will bring in freshness all the time  
Moving, shaking and flying invisible touch

Mountains, Deserts, Ocean blooming Earth  
Born on Earth thrive and die on Mother  
Earth

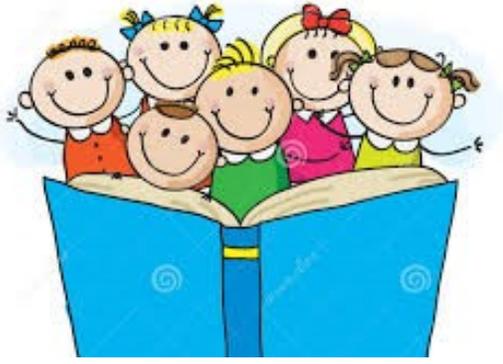
Be Green blessed with life for a long time  
Base, Shelter, Food, water, root and tree of Life

High and Broad all along blue Sky  
Day and Night, Sun , Moon, Stars shone on Life  
Will be there to guard Earth and Her World  
Everything flourishes, cherishes and perishes.



Q1. Out of the five elements of nature Earth, Wind, Water, Fire and Sky  
which one do you find the most important and why?

Write a short story or a poem on it. You can also make a poster on and A4 size  
sheet about the five elements of nature.



“ **Books are our best friends and reading is fun.**” Read any **one** book from the suggested list given below. Create scrapbook pages of the characters in the book, with the drawing and a brief description about each.

1. Alice in Wonderland by Louis Carroll
2. Black Beauty by Anna Swell
3. The Room on the Roof by Ruskin Bond
4. Cherry Tree by Ruskin Bond
5. Matilda by Roald Dahl

# HINDI

प्यारे बच्चों

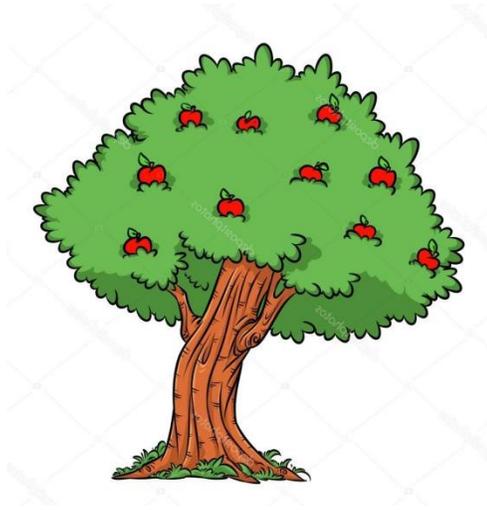
प्रकृति ईश्वर का दिया एक अनमोल उपहार है | प्रकृति ने हमारे जीवन में हमें अनेक चीजें दी हैं जिससे हमें जीवन जीने में बहुत आसानी होती है | जैसे- पेड़, हवा, पानी, आदि | प्रकृति हमारे लिए बहुत ही महत्वपूर्ण सम्पदा है जिसका हमें पूरे तन, मन और धन से संरक्षण करना चाहिए |

**प्रश्न 1** - हवा, पानी, अग्नि, भूमि और गगन पांच तत्वों का हमारे जीवन में क्या महत्व है, चित्र कथा (comic writing) के माध्यम से अपने मन के भावों/विचारों को प्रस्तुत कीजिए |

**प्रश्न 2** - निम्नलिखित कविता को कंठस्थ कीजिए |

जब तपता है सारा अंबर  
आग बरसती है धरती पर |  
फैलाकर पत्तों का छाता  
सब को सदा बचाते पेड़ |  
पंछी यहां बसेरा पाते  
गीत सुना कर मन बहलाते |  
वर्षा, आंधी, पानी में भी  
सबका घर बन जाते पेड़ |  
इनके दम पर वर्षा होती  
हरियाली है सपने बोती |

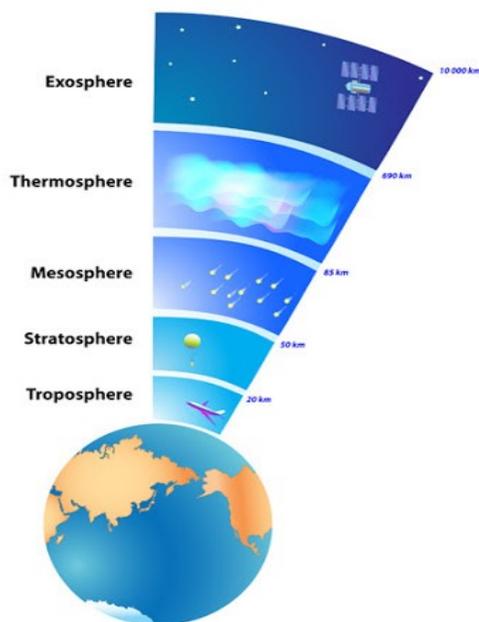
धरती के तन मन की शोभा  
बनकर के इठलाते पेड़ ।  
जितने इन पर फल लग जाते  
ये उतना नीचे झुक जाते ।  
औरों को सुख दे कर के भी  
तनिक नहीं इतराते पेड़ ।  
हमें बहुत ही भाते पेड़  
काम सभी के आते पेड़ ।



# Mathematics

Our Earth is surrounded by a huge blanket of air called the atmosphere. All living beings on this earth depend on atmosphere for their survival. It protects living things from the Sun's harmful ultraviolet rays by absorbing it. It traps heat making earth a comfortable temperature. It also provides us oxygen which is essential for life. The atmosphere is divided into five layers. It is thickest near the surface and thins out with height until it eventually merges with space.

Read the diagram given below and convert the height of different layers of atmosphere from the earth's surface in metres.



S.No.	Layers of Atmosphere	Height from earth's surface (in metres)
1.	Troposphere	
2.	Stratosphere	
3.	Mesosphere	
4.	Thermosphere	
5.	Exosphere	

Now answer the following questions (considering the height in metres).

Q1. In which layer of the atmosphere do we live in? Write the predecessor of its height.

Q2. In which layer of atmosphere do planes fly in? Represent its height on the abacus.

Q3. Which is the coldest layer of the atmosphere? Write the place value of all the digits of its height.

Q4. Which is the hottest layer of the atmosphere? Mark the periods and write the number name of its height.

# SCIENCE



## DESIGN UR OWN SPACECRAFT

- ◆Do you love protecting your world in the space? Enemies are on the move to enter the earth to dominate it and expand their territory. Let's become a great saviour and protect the planet now.
- ◆Design your own **'3D' Spacecraft** using 3D shapes.
- ◆Also calculate the volume of the spacecraft.
- ◆Describe your spacecraft through the **acronym** as given below and stick it on your model.

S	_____
P	_____
A	_____
C	_____
E	_____

## IDEAS FOR MODEL.....



### Note:

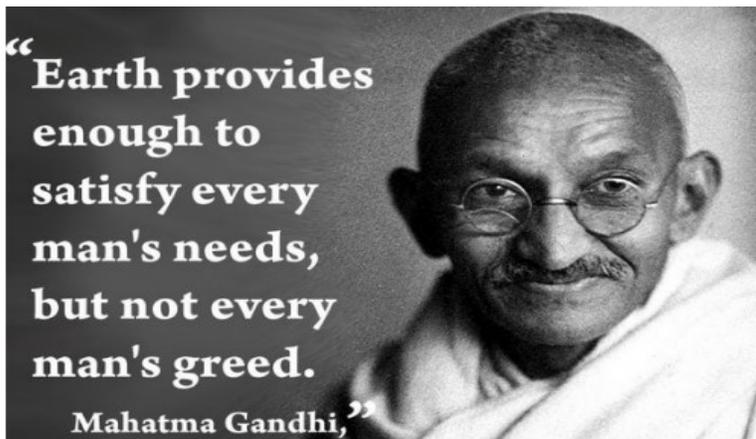
Dear children,

No need to go outside to purchase any craft material required for the activity.

Kindly use the material available at home only.

Stay healthy Stay safe

## **SOCIAL STUDIES**



The Fundamental Duties are the moral obligations of all citizens to help promote a spirit of patriotism and to uphold the unity of India

Q1 Make your own list of fundamental duties with the help of caricature showing respect to protect and improve the earth including forest, lakes , rivers and wildlife and compassion for living creatures.

**OR**



Q2. A wildlife sanctuary is an area where animal habitats and their surroundings are protected from any sort of disturbance. They aim at providing a comfortable living to the animals. India has beautiful wildlife sanctuaries, with dense forests, large rivers, high and beautiful mountains.

a) Make a list of some top wild life sanctuaries in India and the years when they were established.

b) Make a list of five endangered animals and mention the wildlife sanctuaries in which they are found. Write about their habitats, food habits and explain why they have become endangered. Paste pictures of these endangered animal.