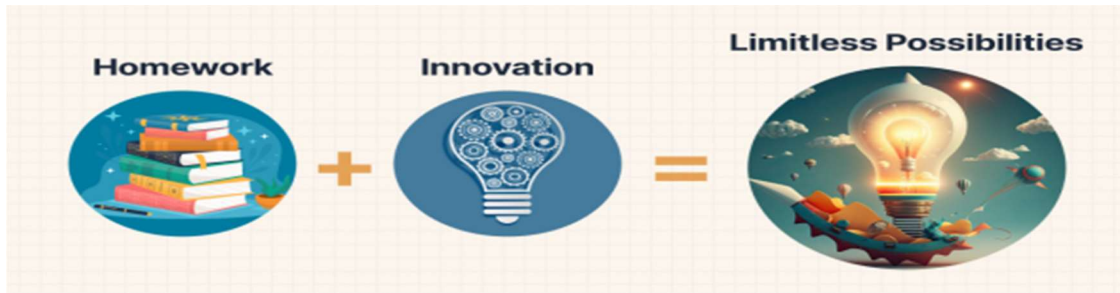


AHLCON INTERNATIONAL SCHOOL
MAYUR VIHAR PHASE-1, DELHI-110091
PREPARATORY STAGE

SUMMER VACATION ASSIGNMENT



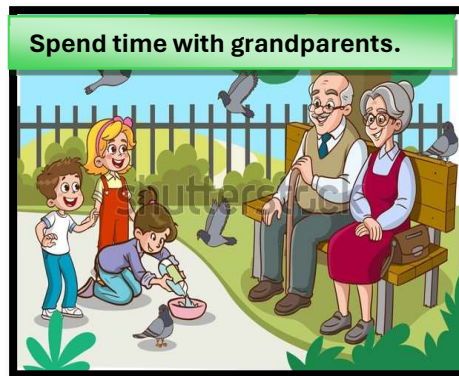
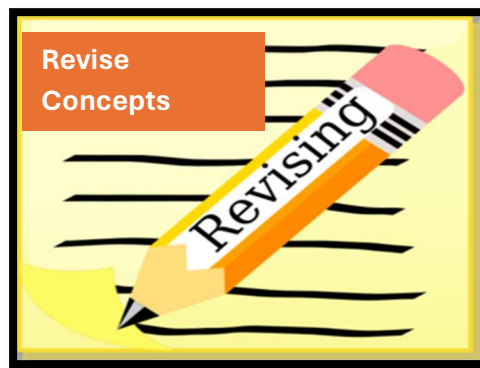
“Success is the sum of small efforts repeated day in and day out”.

Dear Parents,

Summer Vacation is a time for the children to enjoy and relax . These days are precious and valuable and can be made most from if judiciously used. We should always remind ourselves that children will not remember us for the gifts we shower upon them but will always cherish the time we spent with them. Its time to nurture young minds, inculcate moral values and narrate family anecdotes to keep them in touch with their roots.

Here are the few suggested activities which will help our students utilize their time effectively and have a good learning experience.





Instructions for Holiday H.W. (For Children)

1. Everything should be neatly written and not printed.
2. Your work should be your own and not done by an adult. Of course! Your elders can guide you.
3. Ensure timely completion of the given assignment.
4. **Assessment-** Holiday H.W. Projects will be considered as part of F.A. in all the subjects. Children are requested to complete the activities and submit to their subject teachers.
5. All the activities and the use of internet for doing the activities to be done strictly under the supervision of parents.
6. **Syllabus and Date Sheet for PT-1 is already mailed to you.**

Please note the following general information:

Summer Vacation: The summer vacation begins from **Wednesday, 15.05.2024 to Monday, 01.07.2024.** The school shall resume w.e.f. **Tuesday, 02.07.2024.**

My Summer Activity Sheets: We will be emailing the activity sheets which are specially planned and designed by the teachers. We are sure children will find it quite engaging and enjoyable. It will also be **posted on our blog** - <https://www.ahlconinternational.com/blog/category/preparatory/> for **Classes 3 to 5** from which you can download and get the work done.

We wish you all a very rejuvenating vacation!

Enjoy, Enrich and Empower!!!

With Warm Regards

A handwritten signature in black ink that reads "Kavita Shah". The signature is written in a cursive style and is underlined.

**Kavita Shah
Headmistress**

LIFE SKILL ACTIVITIES (Classes 3 to 5)

Vacations not only give you a chance to relax and bond with your kids, but they also provide an opportunity for your children to learn valuable life skills and lessons that will serve them well for years to come.

Here are few suggested activities which may be already be in practice with many, however we could use this time to re-emphasize the values and skills of greater significance in life.

WEEK - 1

BETTER SOCIAL BEHAVIOUR	NURTURE INDEPENDENCE	HOST A QUIZ NIGHT	EFFECTIVE SOLUTIONS TO PROBLEMS	NIGHT UNDER THE STARS
Right from wishing a pleasant morning, to sharing day to day stories, childhood stories can help them connect with you better.	Ask them to make their bed. Also, you can teach them to make their own milk and breakfast or clear their cupboards.	This can be a great way to get the family together. Fix a date and theme, and let your family prepare for it and participate	What shall we do if mum has to go out and a stranger visits home? Or how can we help our elderly neighbours if they are alone? These are some real life situations that need an instant solution. Prepare your kids for them through discussions on solutions.	This will allow you to talk about stars and teach them some constellations. Get a big tent, some hot chocolate, and popcorns and spend the night under the stars in garden or balcony.

WEEK - 2

MANAGE TIME	PRACTICE GARDENING	LEARN EMERGENCY NUMBERS	BE COMPASSIONATE	BAKE A SWEET TREAT TO ENJOY
An excellent way to help them learn and manage time is to give them time-specific tasks. There are fun ways in which	Gardening is a great life skill to nurture from a young age. Gardening allows learners to become more	Knowing the emergency numbers ensures that your child is equipped with the knowledge	Through life skills education, kids can learn to appreciate what they have and share it with others. Encourage them to volunteer in simple	Baking requires students to pay attention to detail, work methodically and employ lots of patience in waiting

the kid can learn to manage their time – like keeping a log of their time spent on playing, studying or using gadgets.	responsible in caring for their plants. Gardening also exposes learners to a better understanding of the natural world and all of its elements.	of who to contact in differing emergencies.	social causes or take them with you if you are volunteering.	for their baked goodies.
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WEEK - 3

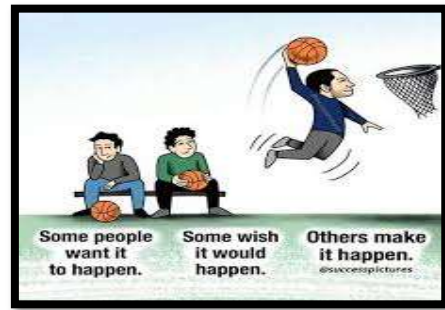
LEARN GROCERY SHOPPING SKILLS	LEARN ABOUT KITCHEN SAFETY	PLAN A PICNIC	TEACH KIDS TO SEW A BUTTON	COUNT MONEY AND MAKE CHANGE
Grocery shopping helps improve planning and budgeting abilities.	Kitchen safety should be practiced at all times. Learning about how to best work in a safe manner within the kitchen allows students to avoid causing any hazards or being subject to the consequences thereof.	Let your kids pack lunch for everyone on your next outing. Write out a menu, count the water bottles, find the ice packs, etc.	Basic sewing skills and the attention to detail that is required whilst engaged in tasks, help learners develop fine motor skills and self-control as well as focus and patience.	Counting money and learning how to give correct amounts of change, is a skill that everyone should be equipped with.

WEEK - 4

BASIC FIRST AID	FAMILY TRAVEL LIFE SKILLS	EMOTIONAL REGULATION	GO FIRELESS	VISIT A MUSEUM
Teach your children how to reduce their pain or minimize the consequences of injury until an	<ul style="list-style-type: none"> • Learning to work as a team is skill even parents have to practice and refine. • Travel is the perfect training 	<ul style="list-style-type: none"> • The ability to regulate one's emotions is another vital life skill and goes hand-in-hand with resilience. 	<ul style="list-style-type: none"> • Encourage kids to be the chefs and prepare fireless dishes, shakes etc. 	<ul style="list-style-type: none"> • Holiday time is a great time to visit a museum. Many museums offer unique exhibits and activities geared towards kids during the

<p>ambulance arrives.</p>	<p>ground to learn leadership and teamwork.</p>	<ul style="list-style-type: none"> When things aren't going well or the way he or she wants, your child needs to learn how to keep his or her emotions in check instead of throwing an almighty temper tantrum. 	<p>holidays. This is an excellent way for kids to learn about different cultures and traditions.</p>
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THESE ARE SKILLS WE CAN TAKE WHEREVER WE GO IN LIFE, NO MATTER WHAT WE DO.



Note – The values / skills mentioned for a particular week can be repeated in other weeks too as per the requirement.

Theme for this year – Panchkosh

Class- 5- FIVE ELEMENTS OF NATURE



***Wish you all the best for your summer vacation. May all the happiness in the world embrace you and let your fun be unlimited with friends and family.
Have a splendid vacation!***

THEME: Panchtatva



*Panchtatva se hum bane hai
Panchtatva se hi Shruti
Iski santulan na bighade,
Varna mitegi Shruti*

~Munshi Pavan Kumar

Panchtatva' is the essence of life. The word "Panchtatva" originates from Sanskrit, 'panch' stands for five, 'tatva' stands for elements. We came from Panchtatva (five elements), and we will merge into them eventually. These five 'tatvas' are earth (Prithvi), sky (Akash), air (Vayu), water (Jal), and Fire (Agni).

According to ancient Vedic science, our body is an earth element, referred to as 'I', our physical existence. We have five senses – ears, skin, eyes, tongue and nose, through which we connect to the world outside. There's 70% water on the earth, and so does in our body, which is the source of our life. Fire is a source of energy and light through which we can see the beauty of the world; it's referred to as the inner intelligence of humans. Air links us to space, our liveliness and awareness, which help us sustain this life on the earth. Sky accommodates everything, and so does our consciousness, which is unconditional awareness. Without these elements, nothing can exist.

Through this Holiday assignment, we would like make our students aware about the five elements and their importance and relevance in our lives.

A. GENERAL INSTRUCTIONS TO STUDENTS:

- Don't forget to write your name, class & section on each worksheet.
- Do the work on your own with minimum help from your parents. Do not opt for any professional help.
- Read the newspaper daily to keep yourself updated.
- Write in a neat and legible handwriting.
- Revise whatever you have learnt in the class.
- Don't waste the resources.

B. Learn a Ton, Reading is FUN !

Here's how we all can make our summer vacation more exhilarating and creative!

- ❖ Read the newspaper and solve English crosswords and puzzles given in the newspaper as well.
- ❖ Form your **WORD FOR THE DAY** notebook, write a word everyday with its meaning and make a sentence with it. *The richness and beauty of English language can only be appreciated and valued by exploring the depth and vastness of the same. And what better time to explore, understand and utilize the huge repository than the Summer Break.*

❖ LIST OF BOOKS FOR CLASSES V

Read books to discover lots of new things. Cultivating good reading habit not only enhances the knowledge acquired but also develops the vocabulary, language skills and improves spelling. Read as many English story books as you can during the summer vacation and make a record of it in your Portfolios with the name of the book, author's name and the date when you finished reading the book.

Here is a list of books you must read:

- *The One and Only Ivan by Katherine Applegate*
- *Fantastic Mr. Fox by Roald Dahl*
- *When You Trap a Tiger by Tae Keller*
- *Fish in a Tree by Lynda Mullaly Hunt*
- *Rules by Cynthia Lord*
- *Where the Red Fern Grows by Wilson Rawls*
- *The Sign of the Beaver by Elizabeth George Speare*
- *The Adventures of Tom Sawyer by Mark Twain*
- *Around the World in Eighty Days by Jules Verne*
- *Black Beauty by Anna Sewell*
- *Great Expectations by Charles Dickens*
- *The Adventures of Pinocchio by Carlo Collodi*

Wish you a Happy Reading!!!!

WORKSHEET - 1

NAME: _____ CLASS: V SEC: _____ ROLL NO.: _____

THEME – Panch Tatva

Note – For all the students



TOPIC: Unseen Passage Comprehension

LEARNING OBJECTIVE: *To develop understanding, application, and critical thinking skills after reading a text.*

Q. Read the passage and answer the questions.

Nature is composed of five fundamental elements: earth, water, fire, air, and ether (or space). These elements play a vital role in maintaining balance and harmony in the universe.

Earth is solid and provides a foundation for life. It is where plants grow, animals dwell, and humans build their homes. The earth element represents stability, fertility, and nurturing.

Water is fluid and adaptable. It flows through rivers, oceans, and streams, sustaining life wherever it goes. Water symbolizes emotions, intuition, and purification.

Fire is dynamic and transformative. It provides warmth, light, and energy. Fire represents passion, creativity, and destruction, as it can both create and consume.

Air is invisible yet essential. It fills our lungs, allowing us to breathe and circulate life-giving oxygen throughout our bodies. Air symbolizes intellect, communication, and freedom.

Ether, or space, is vast and boundless. It encompasses all of existence and provides a canvas for the other elements to manifest. Ether represents expansion, possibility, and connection to the divine.

Together, these elements form the fabric of existence, shaping the world around us and within us.



AIR



FIRE



WATER



ETHER



EARTH



AIR



FIRE



WATER



ETHER



EARTH

Q1. Choose the correct option:

1. Two things that the Earth symbolizes are :

- emotions & freedom
- stability & nurturing
- purification & expansion

2. Fire provides _____ and _____.

- oxygen and home
- harmony and balance
- warmth and energy

Q2. What does the water element symbolize?

Q3. How does air enable us to live?

Q4. Describe the characteristics of ether.

Q5. (HOTS) Can you give an example of how each element is present in your daily life?

Q.6. (HOTS) How do you think the balance of these elements affects the world around us?



WORKSHEET-2

NAME: _____ CLASS: _____ SEC: _____ ROLL NO.: _____

T H E M E – FIVE ELEMENTS OF NATURE

Note – For all the students

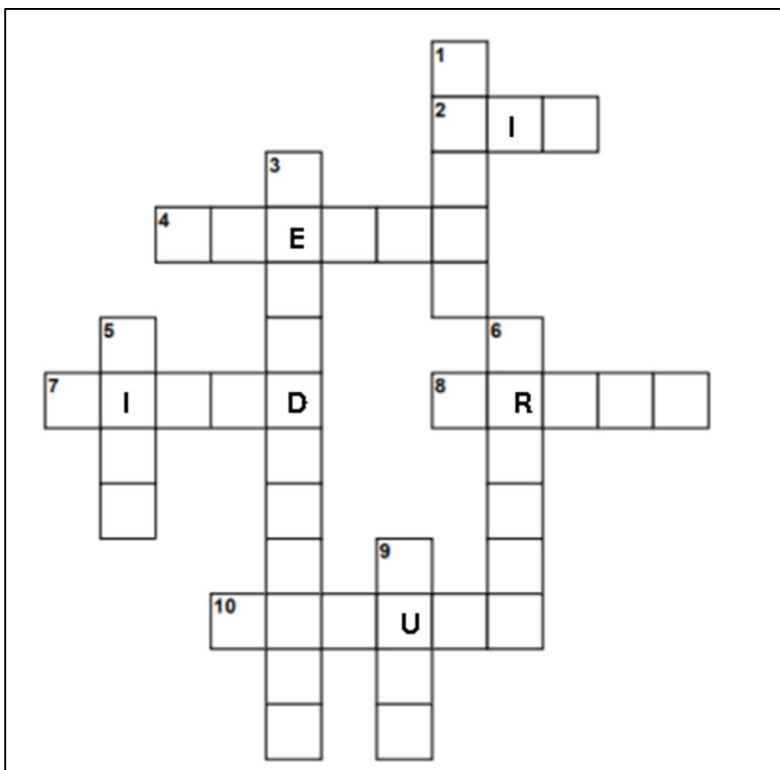
TOPIC: VOCABULARY WORKSHEET



LEARNING OBJECTIVE:

- To broaden their vocabulary by engaging with a variety of words.
- To sharpen their critical thinking skills as they analyze word meanings, identify synonyms and antonyms, and apply newly learned vocabulary in different contexts.

Q1. Complete the crossword with the correct words:



ACROSS

2. It keeps us alive.
4. A gentle, pleasant wind.
7. Something that is wide and colourful.
8. Another word for a small, fast-flowing stream.
10. A state of water.

DOWN

1. It covers about 71% of the Earth's surface.
3. When the body loses too much water.
5. It can be dangerous if not handed carefully.
6. extremely cold.
9. a word used to describe plants that are healthy.



Q2. Unjumbled the following words with the help of the given clues to find out the answers:

- a. **OLOGYM** (cloudy)
- b. **ABKR** (outer layer of tree)
- c. **ABRE** (landscape without plants)
- d. **TAPHMSOERE** (layer of air)
- e. **RIDA** (dry place with very little rain)

Q3. Word Search

Find out the following words in the given word grid:

I I L S T R E A M S A T M W L
 M E E I E L E Y A N P T U A T
 E S M I A R W A U L C A A P N
 P E L E A E U N T N E N M T S
 A D T T T W A C I T A U Q A P
 F E A T W T T P W M A W R P A
 L I L C R D E M A L F T Y T C
 M T T S D A T I R A T U G E E
 Y R D P A U A L M T N T E I P
 A T T M R M H A T R C E F T A
 M A L A L T L A H W F R R Q E
 A T A D T E L D D U P R I R G
 F U E T W A L D E C L A Y M U
 T E F A Y U A C A U L I E E S
 F A M L A A A T T M A N W E T

- CLAY
- STREAM
- FLAME
- GUST
- SPACE
- PUDDLE
- WARMTH
- TERRAIN
- AQUATIC



WORKSHEET - 3

NAME: _____ CLASS: V SEC: _____ ROLL NO.: _____

THEME – Panch Tatva

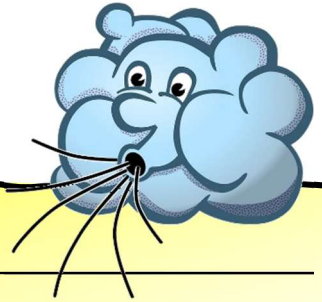
Note – For all the students



TOPIC: Creative Writing

LEARNING OBJECTIVE: To develop creativity and imagination and enhance the writing skills of students.

Ques. Write an Acrostic Poem on each of the following :



A- _____

I - _____

R - _____



W - _____

A - _____

T - _____

E - _____

R - _____

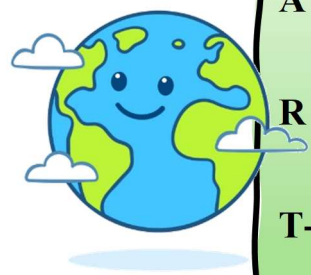


F - _____

I - _____

R - _____

E - _____



E - _____

A - _____

R - _____

T - _____

H - _____

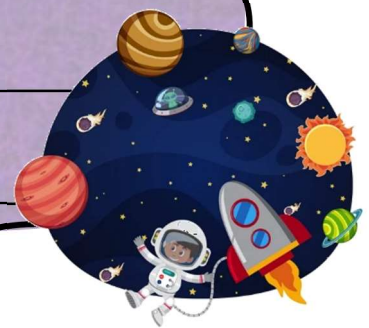
S - _____

P - _____

A - _____

C - _____

E - _____



THEME – Five Elements of Nature

ACTIVITY- *Prepare a Travelogue*

(Prithvi and Neer House)

PROJECT: **Travel, Camera, Action!**

Learning Objective:

- To document personal experiences and adventures during the holiday period.
- To reflect on cultural insights gained from exploring new destinations.
- To develop observational skills by keenly observing landscapes, people, weather and local customs.

Capture your holiday adventures and deepen your connection to the natural world by showcasing the Five Elements of Nature.

Instructions: **Craft a visually appealing and informative travelogue capturing the essence of your summer journey, with a focus on the elements of Nature (Earth, Air & Water). Explore landscapes like hills, lush forests, mountains and rivers showcasing the beauty of the earth.**



1. **Choose your destination:** Decide on your summer holiday destination. Research about the location, its attractions, and notable landmarks.

2. **Click pictures:** Take photographs during your travels, capturing memorable moments, scenic views, and interesting sights. Ensure to take a variety of shots to represent your experience

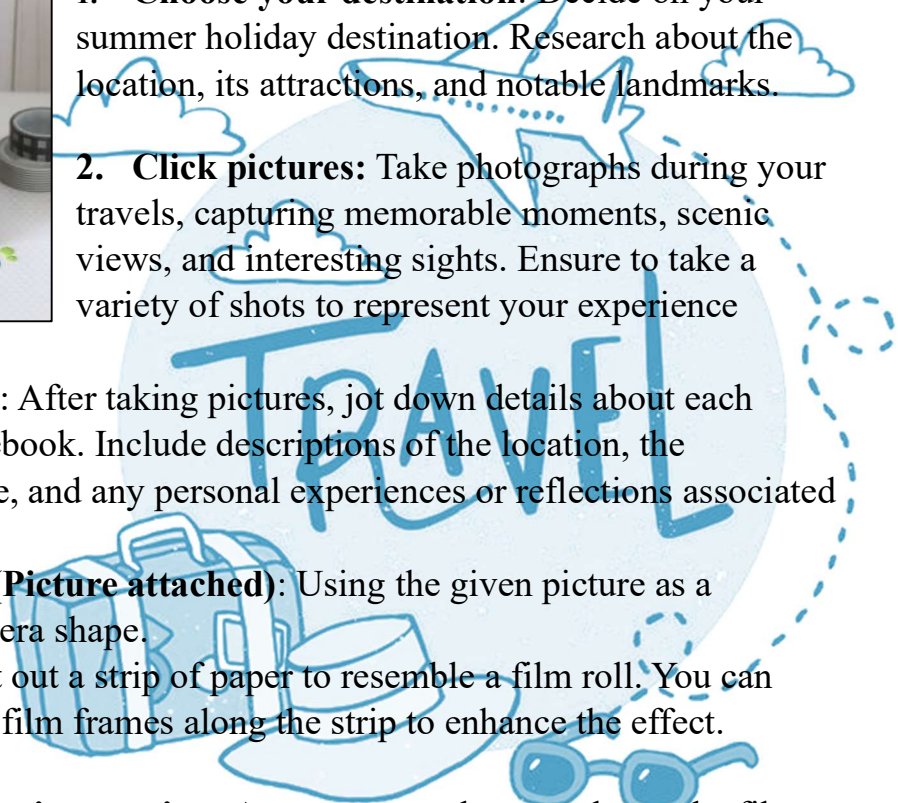
comprehensively.

3. **Add detail about them:** After taking pictures, jot down details about each photograph in your notebook. Include descriptions of the location, the significance of the scene, and any personal experiences or reflections associated with it.

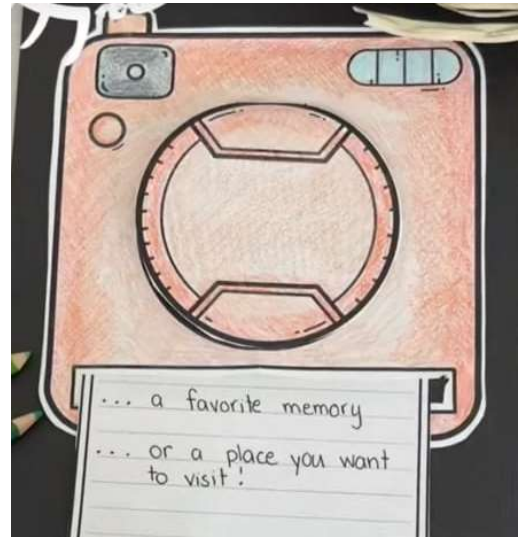
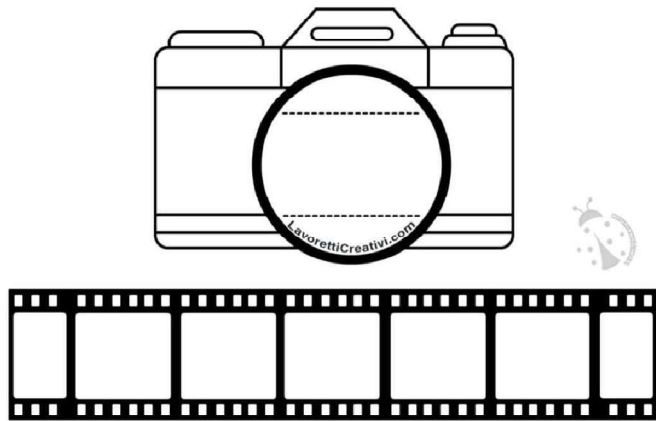
4. **Cut a camera cut-out (Picture attached):** Using the given picture as a reference, cut out a camera shape.

5. **Film roll on paper:** Cut out a strip of paper to resemble a film roll. You can draw or print images of film frames along the strip to enhance the effect. (Sample attached)

6. **Paste your pics and give it a caption:** Arrange your photographs on the film roll. Beneath each photo, write a caption that provides context or shares an interesting detail about the image.



7. **Give valid hashtags:** Include relevant hashtags at the end of your entries to make your travelogue more discoverable on social media platforms. For example, "#travel #memories #travelmakeslifefun".
8. **Neatness and attractiveness:** Ensure your travelogue is neat, organized, and visually appealing. Use colourful markers, stickers, or decorative elements to enhance the aesthetic appeal of your layout.



[Refer the link provided below for the sample.](#)

Video for the Paper Camera:

<https://pin.it/6NVp5IXbP>

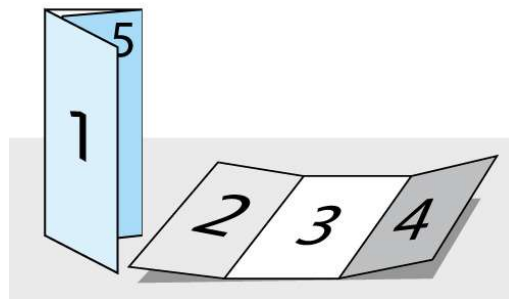
Film Roll Print: <https://pin.it/7cDipbDH9>

Camera Print: <https://pin.it/7EK8sWJJq>

THEME – Panchtatva

ACTIVITY- Making a Brochure (Agni and Vayu House)

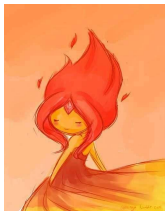
Topic- *Elemental Brochure (Integrated with Art and Craft)*



LEARNING OBJECTIVES:- To enable the students to explore and express understanding of the five elements of nature through artistic creation.

INSTRUCTIONS-

- Search for information on characteristics, symbolism, significance, and role of the element (Agni – Fire, Vayu – Air) in nature and human life. Make short notes in a rough notebook.
- Take an A-3 size light coloured pastel sheet. Place it in landscape position.
- Divide it into three equal parts by drawing lines vertically, using a ruler and a pencil.
- Fold along the lines making a brochure. (As shown in the picture below)
- On the first leaflet, which is also the cover page, give a unique Title related to your house. E.g. for Agni house, title can be ‘Fireochure’. Paste/draw illustrations and make it attractive.
- On leaflets 2-5 give the headings ‘Characteristics’, ‘Symbolism’, ‘Significance’, ‘Role in Nature’, ‘Role in Human Life’ and ‘Fun Facts’.
- Write the information on each leaflet, as per the heading. Paste/draw appropriate pictures.
- Make your brochure neat, attractive and interesting to read.
- Once ready, click pictures of each leaflet and paste in the Portfolio, under the heading ‘Holiday Homework – Elemental Brochure’.

Fireochure	Characteristics	Significance	Role in Nature	Fun Facts
	Symbolism		Role in Human Life	Safety Tips
1	2	3	4	5

विषय - हिंदी कक्षा -5

हिंदी विषय के लिए सामान्य निर्देश-

1. सुलेख -- एक नई कॉपी पर प्रतिदिन एक पृष्ठ सुलेख लिखिए तथा एक नए शब्द को ढूँढकर अर्थ सहित सबसे ऊपर लिखिए। [सुलेख हिंदी पाठ्य पुस्तक या किसी अन्य पुस्तक से लिखा जा सकता है।]
2. दिए गए अभ्यास पत्रों को ध्यानपूर्वक कीजिए व एक फोल्डर में डालकर दीजिए।
3. भाषा विषयों की पुनरावृत्ति हेतु अधिगम संसाधन पृष्ठ – 62, 63, 87, 88, 89 कीजिये।
4. छात्र समय का सदुपयोग करते हुए निम्न पुस्तकों को भी अवश्य पढ़ने का प्रयास करें।
 - अकबर -बीरबल की कहानियाँ
 - बाल रामायण
 - अमर चित्र कथा
5. आवधिक परीक्षा (PT-1) की तैयारी हेतु दिए गए पाठ्यक्रम का अभ्यास साहित्य व भाषा की पुस्तिका से कीजिए।

Worksheet 1

नाम ----- कक्षा ----- विभाग ----- अनुक्रमांक -----

विषय- 'अपठित गद्यांश'

उद्देश्य - बौद्धिक क्षमता व चिंतन क्षमता का विकास ।

प्र- निम्न गद्यांश को पढ़कर प्रश्नों के उत्तर लिखिए -

आमतौर पर लोग सोचते हैं कि योग व्यायाम का एक रूप है, जिसमें शरीर के अंगों को खींचना और मोड़ना शामिल है लेकिन योग व्यायाम से कहीं अधिक है। योग जीवन जीने का एक तरीका या मानसिक, आध्यात्मिक और शारीरिक मार्ग से जीने की कला है। यह व्यक्ति को शरीर और दिमाग से स्वस्थ रखने की प्राचीन भारतीय प्रणाली है। योग व्यक्ति को यह सीखने में भी मदद करता है कि दिन-प्रतिदिन की जिंदगी की चुनौतियों का सामना कैसे करें। योग के नियमित अभ्यास से सकारात्मक बदलाव आते हैं - मजबूत मांसपेशियाँ, लचीलापन, धैर्य और अच्छा स्वास्थ्य। योग को किसी भी आयु वर्ग और किसी भी आकार के व्यक्ति द्वारा चुना जा सकता है। अतः योग एक उपयोगी अभ्यास है, जिसे करना आसान है और यह कुछ गंभीर स्वास्थ्य समस्याओं से छुटकारा पाने में मदद करता है।

क) आमतौर पर लोग क्या सोचते हैं ?

उ. -----

ख) योग व्यक्ति को क्या सीखने में मदद करता है ?

उ. -----

ग) रिक्त स्थान भरिए-

i. योग जीवन को मानसिक, आध्यात्मिक और ----- मार्ग से जीने की कला है।

ii. योग किसी भी आयु वर्ग और किसी भी ----- के व्यक्ति द्वारा चुना जा सकता है।

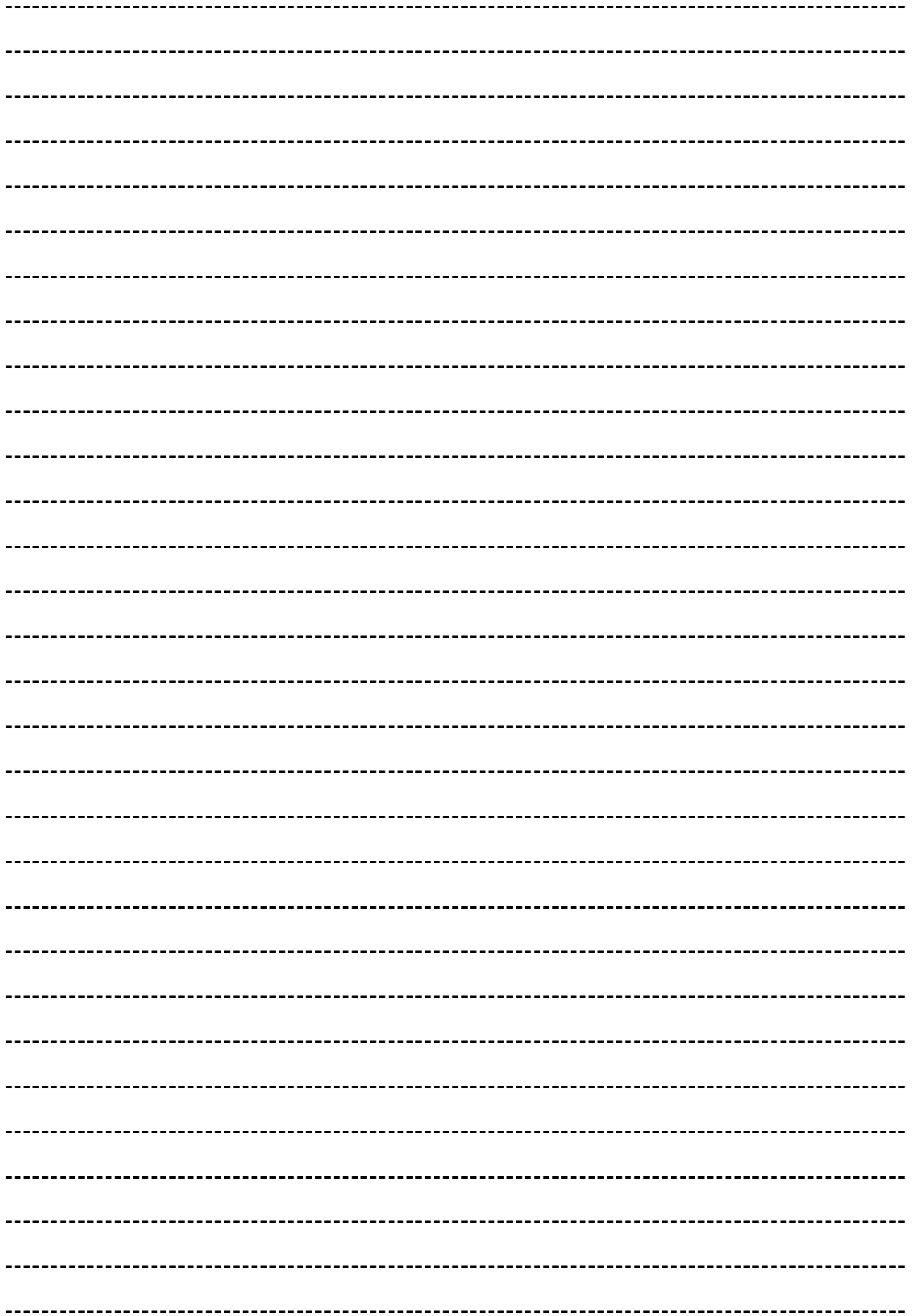
घ) योग के नियमित अभ्यास से कौन-से बदलाव आते हैं ?

उ. -----

ङ) विलोम लिखिए-

i. नवीन- -----

ii. कम- -----



Worksheet -3

नाम ----- कक्षा ----- विभाग ----- अनुक्रमांक -----

विषय- शब्द ज्ञान

उद्देश्य – शब्द भंडार में वृद्धि और बौद्धिक क्षमता का विकास ।

❖ विलोमपद (palindrome)

पैलिंड्रोम शब्द या कविता आदि जो उलटकर पढ़ने से भी ज्यों की त्यों रहे । (जैसे सरस, नवजीवन)

प्रश्न 1.कोई आठ विलोमपद लिखिए ।

❖ पैंग्राम Pangram उसे कहते हैं जिस वाक्य में उस भाषा के सभी अक्षर आ गए हों । अंग्रेजी में बहुत सारे पैंग्राम हैं। सबसे प्रसिद्ध The quick brown fox jumps over a lazy dog.

प्रश्न2. ऐसे ही हिन्दी में एक पैंग्राम बनाइए ।

प्रश्न 3. किसी भी एक भाषाई विषय पर वर्ग पहेली बनाइए ।

विषय-

निर्देश -

--

परियोजना कार्य



अमूल विषय- पंचकोष

- भाषायी योग्यता /उद्देश्य – बौद्धिक योग्यता व रचनात्मकता का विकास ।
- स्वतंत्र लेखन व चिंतन क्षमता का विकास ।

निर्देश -

- नीचे दिए गए कार्य सदन अनुसार विभाजित हैं । अतः अपने सदन के अनुसार कार्य कीजिए ।
- परियोजना कार्य पठनीय व सुन्दर लिखावट के साथ बनाइए ।
- परियोजना कार्य की कक्षीय प्रस्तुति (मौखिक) रचनात्मक मूल्यांकन (FA) के रूप में ली जाएगी । तिथि सूचित की जाएगी ।

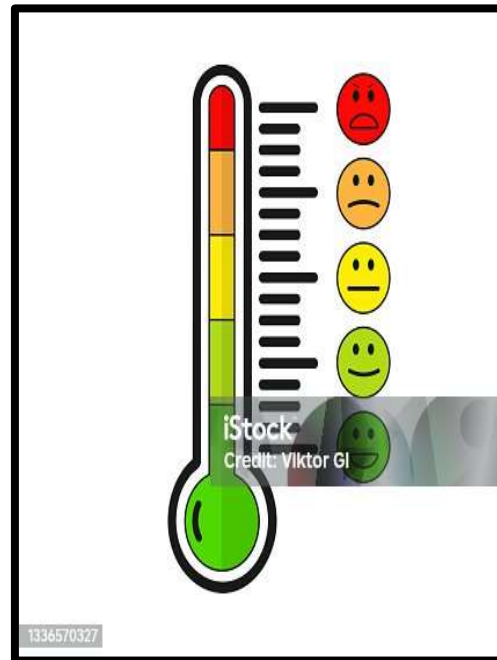
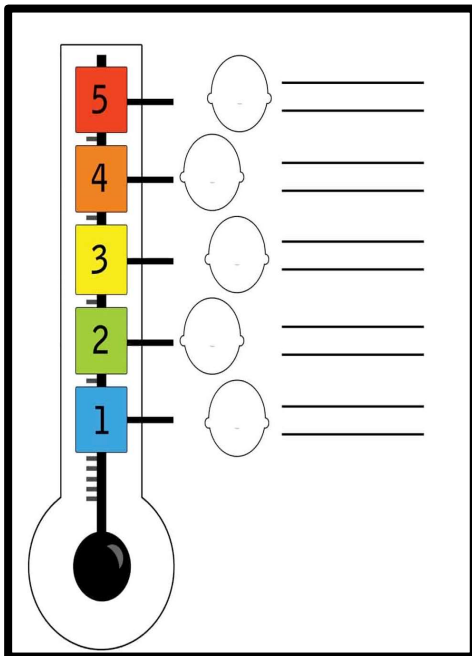
(1)अग्नि,नीर

गतिविधि -एंगर थर्मामीटर

उद्देश्य - बच्चों को यह सिखाना है कि वे कब खुश हैं, कब क्रोधित और गुस्सा हो रहे हैं, इसकी पहचान कैसे करें और इन भावनाओं से कैसे निपटें ताकि एक शांत जगह पर वापस आ सकें।

मोटी ए - 3 शीट पर 'एंगर थर्मामीटर' बनाइए । विभिन्न रंगों , एमोजिज (चित्रों)और गिनती द्वारा अपने क्रोध के तापमान को इंगित कीजिए और लिखिए "जब आप क्रोधित होते हैं तो कैसा महसूस करते हैं एवं आपको उस समय क्या करना चाहिए ।"

सामग्री -रंगीन कागज़ ,पैन,पेंसिल इत्यादि । उदाहरण-



SUBJECT – Mathematics

Theme – Five Elements of Nature

Mathematics is the science that deals with the logic of shape, quantity and arrangement. Math is all around us, in everything we do. It is the building block for everything in our lives.

All of us use the skills developed in Math classes to help solve tricky real-world or work-related problems, in our day-to-day life. It is thus essential to build a strong foundation of mathematical skills. Maths connections in daily life can be like managing money, recreational sport, home decorating and modelling, cooking, shopping, navigation & travel, and what not???

Before you start your journey with Math let's enjoy these lines:



Add the opportunities.....
Subtract the Errors.....
Multiply the Victories.....
Divide the Obstacles.....

Get ready to embark on this journey by following the given instructions:

- Make a thin practice notebook (square ruled)
- Write and learn the Tables of 8, 9, 12, 13 (10 pages)
- Solve 2 questions each of four Basic operations (10 pages)
- Remember to do corrections of questions that you get incorrect!
- Write date on each page.
- Be ready to get a 'pat' on the back and an appreciation note in the notebook from your parents for your **dedicated practice**.
- **Do Learning Resource Book Pages – 1 to 7, 93, 94**

Important points to be noted –

1. **Project work** will carry 10 marks and will be evaluated as MA1 (Multiple Assessment) activity.
2. **Math Portfolio** – 5 marks -Math Lab file will be referred to assess child's work for Math Portfolio.

WORKSHEET 1

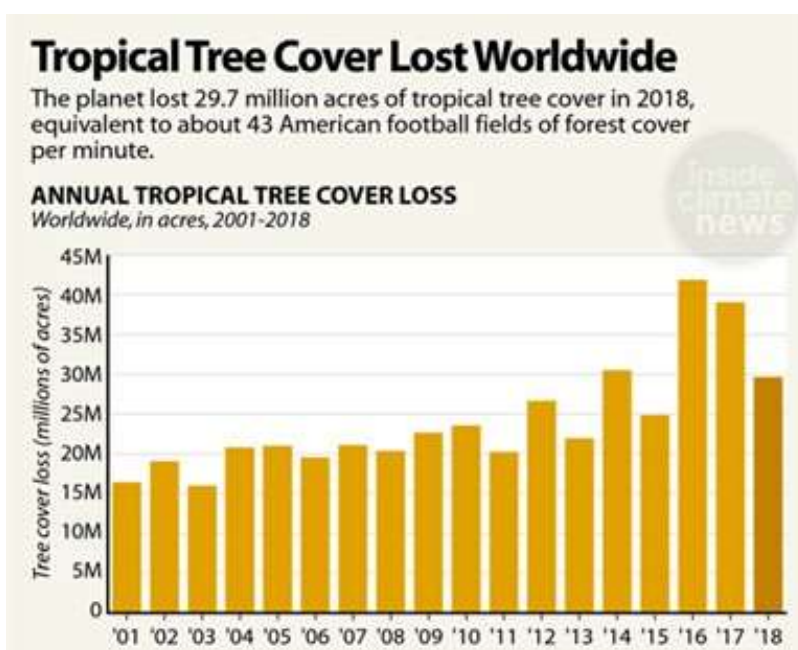
NAME: _____ CLASS: V SEC: _____ ROLL NO.: _____

TOPIC: Interpretation of Bar Graph

LEARNING OBJECTIVES:

- ❖ To recapitulate interpretation of Bar graph.
- ❖ To understand the effects of climate change caused by disturbance in one of the five elements of nature i.e. Earth.

The five elements of nature or life need to be balanced for a sustainable society. Any imbalance in them causes problems. Forest loss and degradation, caused by imbalance of Earth element, have a significant impact on climate change. So, reducing forest loss can have multiple benefits for ecosystems and people.



Q1. Study the given bar graph and answer the questions based on the data presented:

- a) In which year there was minimum loss of forest area? _____
- b) Which two years had the same loss in terms of forest area? _____
- c) How much area of forest land was lost in the year 2015? _____
- d) What is the total forest cover of our country? _____
- e) What is India's World ranking in terms of forested area? _____

<https://economictimes.indiatimes.com/news/economy/indicators/india-among-top-10-nations-in-terms-of-forest-area/articleshow/62894900.cms>

You may use the above link for reference.

WORKSHEET 2

NAME: _____ CLASS: V SEC: _____ ROLL NO.: _____

TOPIC: Problem Solving and Number Sense

LEARNING OBJECTIVES:

- ❖ To transform information to knowledge by exploring data on planetary distances.
- ❖ To explain the relationship of radius and diameter.

Have a look at the data on our planets below, then answer the questions.

PLANET	RADIUS (miles)	DIAMETER (miles)	RADIUS TO NEAREST 1000 miles
Mercury	1516		
Venus	3761		
Earth	3959		
Mars	2106		
Jupiter	43441		
Saturn	36184		
Uranus	15759		
Neptune	15299		

- a) Find the diameter of each planet by using the radius. (The diameter is always twice the radius.)
- b) Round each radius to the nearest 1000 and fill in the column on the right hand side.
- c) Write the planets in ascending order of their size:

- d) How much larger is the radius of Saturn than the radius of Earth?

- e) What is the total radius of the three largest planets?

- f) The radius of Jupiter is about (2 times 5 times 10 times 20 times)
bigger than earth. _____

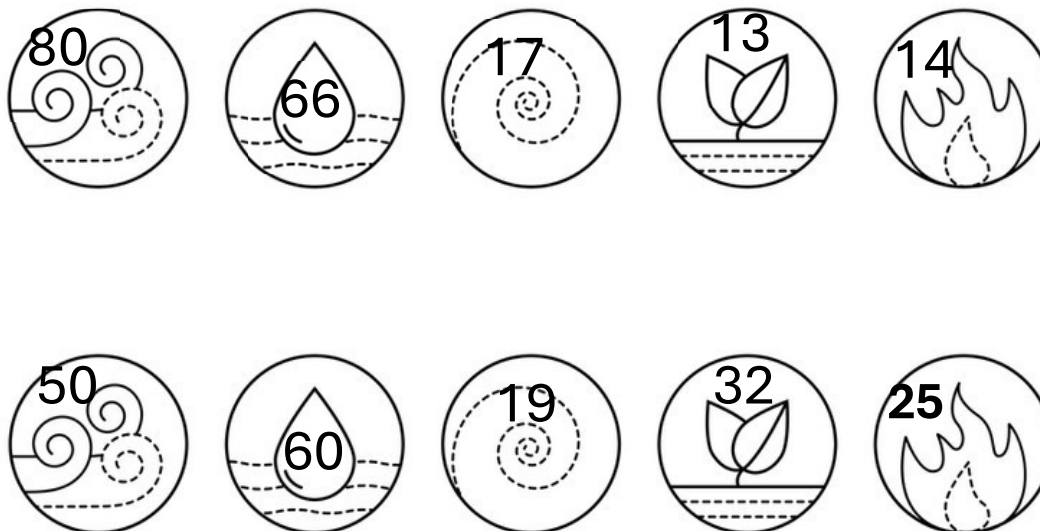
WORKSHEET 3

NAME: _____ CLASS: V SEC: _____ ROLL NO.: _____

TOPIC: Fun with Numbers

LEARNING OBJECTIVE:

- ❖ To recapitulate mathematical concepts.
- ❖ To develop the analytical skills.



Q1. Look at the questions given below and fill the colour in five elements accordingly.

- | | |
|--|----------------------------------|
| ❖ Multiple of 6 – Blue | Retirement age - Blue |
| ❖ Days in a fortnight – Yellow | A prime number near 20 - Purple |
| ❖ Number of wheels of 20 cars – Grey | Factor of 25 - Yellow |
| ❖ Sustained Development Goals – Purple | Half century - Grey |
| ❖ Life span of a dog – Blue and Green | Teeth in adults – Blue and Green |

Let's have more fun. Draw the outline of your hand and make a tattoo of the five elements on it. Refer to the picture given. You may use your own ideas and imagination.



ACTIVITY 1 & 2-TO BE DONE HOUSE WISE

ACTIVITY 1:“Platonic Solid Chimes”

THEME: Five Elements of Nature

HOUSE: Agni & Neer



Learning objectives:

- To develop research and summarizing skills besides enhancing spatial sense.
- To reinforce the concept of plane shapes through **Art integration in Mathematics.**
- To make the children aware about the five elements of nature and the solid shapes associated with them.
- To research and learn about five Platonic solids in Geometry.

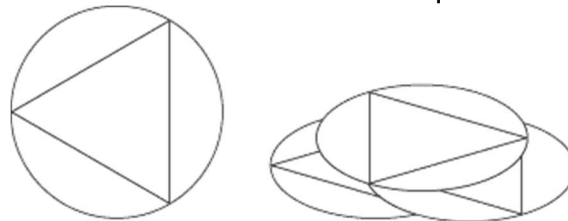
Materials required: Coloured A4 pastel sheets, scissors, glue/double sided tape, decorative material, markers and sketch pens.

Instructions:

- Research and explore about the five elements of Nature and read about their association with Geometry.
- Learn about the five Platonic solids connected with each element of life.
- Use crafting skills to make the five solids using A4 sheets.

Step 1: Cut Circles (radius of 6-8 cm)

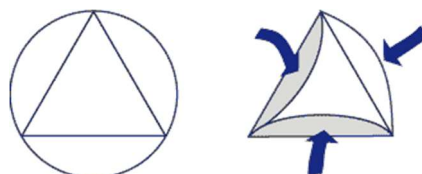
- Tetrahedron - Cut four circles with equilateral triangles.



- Cube - Cut six circles with squares.
- Octahedron - Cut eight circles with equilateral triangles(triangle with all sides equal)
- Icosahedron - Cut twenty circles with equilateral triangles.
- Dodecahedron - Cut twelve circles with pentagons.

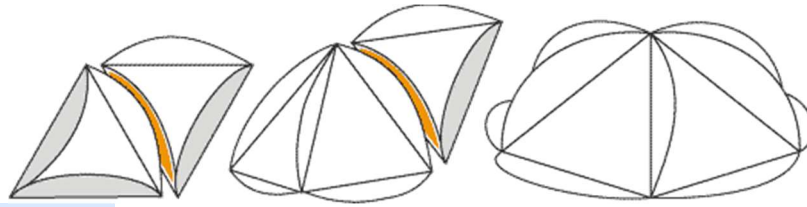
Step 2: Fold

Fold on each of the three (or four or five) fold lines. Repeat for each circle.



Step 3: Glue Parts

When gluing, use the folded sides as glue tabs, and keep them on the outside.



Step 4: Assemble

Glue the parts together.



That's it! Your Platonic solids are complete!



<https://www.auntannie.com/Geometric/PlatonicSolids/> (Refer to this link for more detailed tutorial)

- Write about the following on faces of the solids: name of shape, number of faces, vertices, and edges. Also draw or paste the picture of element associated with that solid.
- Now, arrange and hang them using a thread to make a chime.
- Go creative while presenting your work.



Alternatively, you may use template to make the platonic solids by using the given link: <https://www.template-maker.nl/en/platonic-solids/>

ACTIVITY 2: “Constellation Cards”

THEME: Five Elements of Nature- Cosmos

HOUSE: Prithvi and Vayu

The other element, also known as space and Aakash in Sanskrit is the first and the most subtle element of the Panchatatva. The vast and mysterious cosmos has captivated the human imagination for centuries. Astronomy, the study of celestial objects and the universe, offers a perfect opportunity to introduce children to the wonders of science, technology, engineering, and mathematics (STEM). For instance, the shape of our galaxy is a spiral. The planets orbit the sun on paths that are concentric. We also see concentric circles in the rings of Saturn. Special star patterns are called constellations.

Learning objectives:

- To develop research and summarising skills besides enhancing spatial sense.
- To reinforce the concept of shape patterns and numbers through **Science integration in Mathematics**.
- To make the children aware about the five elements of nature with emphasis on fifth element Ether or Cosmos.
- To research and learn about space and constellations.

Materials required: Black A4 pastel sheets, scissors, glue, gold or silver star stickers, ruler, decorative material, markers and sketch pens.

Instructions:

- Read and explore about the major constellations in our galaxy.
- Research information and **number facts** about any 4 constellations.
- Start by sketching out a design for your constellation, on the black card (use half of A4 sheet). Draw dots for the stars and join the dots with a ruler to make the constellation.
- Stick gold or silver star stickers on the dots – to create the stars in your constellation!
- Write the following on the inside of cards: year of discovery, number of stars and amazing facts.



SUBJECT – EVS

The five elements of life are earth, water, fire, air, and space. They are the basic building blocks of the universe and everything in it, including us.

Earth symbolizes stability, grounding, and physical presence. Water embodies emotions, intuition, and fluidity. Fire represents passion, transformation, and energy. Air signifies intellect, communication, and freedom of movement. Ether, or space, symbolizes the interconnectedness of all things and the potential for limitless expansion.

The five elements – fire, water, earth, air, and space – come together to form an important aspect of cultural importance and scientific knowledge. Whether viewed through the prism of religious philosophy, or contemporary research, these elements are there in our life and influence our day-to-day activities. Thus, it is important for us to acknowledge and learn more about the interconnectedness of these five aspects.



GENERAL INSTRUCTIONS

1. Remember to write your name, class & section on each worksheet and project.
2. Do the work on your own with minimum help from your parents. Do not opt for any professional help.
3. **The worksheets are to be done by all the students.**
4. **Take full length pastel chart paper, Cut them horizontally.** Width of each strip should be 7 cm. Make 12-15 strips of beautiful and creative borders for bulletin boards.
5. Write in a neat and legible handwriting.
6. Revise whatever you have learnt in the classroom.
7. Don't waste the resources.

EVS WORKSHEET-1

NAME: _____ CLASS: _____ SEC: _____ ROLL NO.: _____

THEME – Panchakosha

TOPIC: Five Elements

LEARNING OBJECTIVE: To make them aware about five elements of nature.

Q1. Fill in the blanks –

- a) The sun provides the earth with _____ energy.
- b) Energy is the ability to do _____.
- c) _____ water is used in car batteries, science experiments and medicines.
- d) Chlorine gas is used to kill _____ present in water.
- e) _____ method can be used to get salt from saltwater solution.

Q2. Choose the correct option –

a) The burning of fire needs -

- i) Oxygen ii) Carbon Dioxide iii) Nitrogen iv) Water

b) Frozen dew is called-

- i) Frost ii) Rain iii) Hail stone iv) Water vapour

c) Air pressure is measured using-

- i) Barometer ii) Lactometer iii) Odometer iv) Photometer

d) What is one way to create energy, when it is very cold?

- i) Jump up and down ii) Stay in my chair
iii) Rub my hands together iv) Drink juices

e) When the wind blows gently, it is called -

- i) Storm ii) Breeze iii) Hurricane iv) Gusts

WORKSHEET-2

NAME: _____ **CLASS:** _____ **SEC:** _____ **ROLL NO.:** _____

THEME – Panchakosha

TOPIC: Five Elements

LEARNING OBJECTIVE: To develop critical thinking in children

Q1. Think and answer –

a) Mountaineers carry oxygen cylinders with them. Why?

b) What will happen if there is no oxygen in the air?

c) Suppose you don't have water filter at home. What method you will use to filter the water.

d) During summer, if you go near the lake, you feel relief from the heat, why?

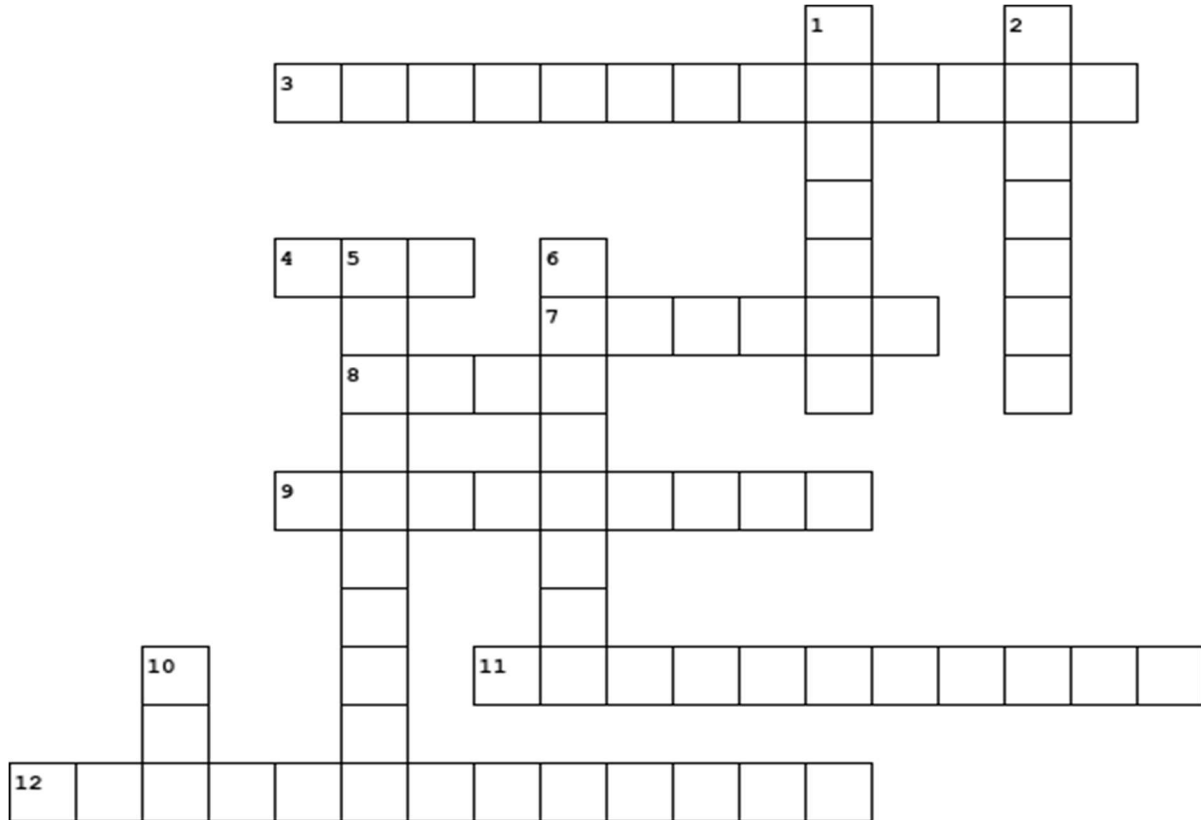
WORKSHEET-3

NAME: _____ CLASS: _____ SEC: _____ ROLL NO.: _____

THEME – Panchakosha

TOPIC: Five Elements

LEARNING OBJECTIVE: To make them know about elements of nature.



Across

Down

3. rain, snow, sleet or hail

4. state of matter with no fixed shape

7. a covering of ice over a large area such as polar region

8. tiny droplets of water in air

9. person who travels in the outer space

11. substance that burns or catch fire easily

12. a group of stars that seem to form an image

1. natural home of an animal or plant

2. water fit for drinking

5. blanket of air/gases surrounding the earth

6. gas that makes up 78% of air

10. main source of earth's heat and light energy

PROJECT

NAME: _____ CLASS: V SEC: _____ ROLL NO.: _____

THEME – Five Elements

Note – To be done housewise

LEARNING OBJECTIVE: Understanding the characteristics of five elements and their connectivity to environment.

Instructions

For all the students - How to Protect Earth's Five Elements this Summer Vacation?

Going into the holidays, let us step back and make a conscious decision to protect the world we live in. This is the time of year when most of us are welcoming friends and family into our homes and planning parties, going on vacations etc. We spend a lot of time preparing meals, leading to more use of water, energy, and other resources resulting in polluting our air, earth, and oceans. Making small steps in the right direction during the holidays will make a big difference.

Write the various steps you will take as a kid to save these 5 elements which are very important for our survival.

WATER (NEER)	FIRE (AGNI)	EARTH (PRITHVI)	AIR (VAYU) AND SKY(AKASH)

- Try to take water challenge on the given link.

<https://www.thegreywaterproject.org/water-challenge>

Agni & Neer - Pollution has pervaded all five elements — or panchatattvas — earth, water, fire, air and ether. Using relevant pictures and information, make a scrap book explaining the relevance of five elements and how has pollution affected them adversely. Also, mention the measures to control climate change. Cover the scrap book and decorate it appropriately.

Prithvi & Vayu - Panch Tatva, or the five elements, are the fundamental components of the physical universe. These elements are believed to be the building blocks of life and the entire universe. Each element has its unique characteristics and qualities, and they are interconnected and interdependent. Research and document their characteristics and what do they represent. Choose hands on activity/experiment related to each element, conduct these activities at home and document the details in a scrap book. Click your pictures while doing these activities and paste them too. Cover the scrap book and decorate it appropriately.

SUBJECT – ART & CLAY



Book Era of Art

Pg nos. 27,33,39 and **any one A3 size painting of any folk art form.**

Warli Art
Madhubani paintings
Gond Art
Doodle Art
Pop Art
Boho Art

PHYSICAL EDUCATION

Here's a fun and engaging summer holidays homework plan for students-

1. **Daily Fitness Exercises with Family:**

This can include a mix of fun and engaging activities like jogging, cycling, swimming, playing outdoor games like football or basketball, and even indoor activities like dancing or yoga. You can create a weekly schedule with different activities to keep it interesting. Make a journal.

2. **Athlete Profile Assignment:**

My Favorite Sports Icon

* Students can do research and create a profile of their favorite athlete. They can include details about the athlete's career achievements, training regimen, diet, and mental preparation for their sport. This can be a great way for kids to learn about dedication, hard work, and healthy habits from their role models.

OR

3. **Sports Equipment Design:**By using waste material

Encourage students to design a new piece of sports equipment, such as a soccer ball with special features, a unique badminton racket, or an innovative swimming accessory. They can create a prototype using materials like cardboard, paper, or clay. This activity can foster creativity, problem-solving skills, and an understanding of the engineering behind sports equipment.

Both options provide a blend of physical activity, learning, and creativity, making the summer holiday program engaging and enriching for the kids.

Happy Holidays!