



ACADEMIC WORLD SCHOOL™ BEMETARA

SESSION: 2023-24

SUMMER VACATION ASSIGNMENT

Grade: VI

GENERAL GUIDELINES:

1. USE A SEPARATE NOTE BOOK / PROJECT FILE FOR EACH SUBJECT (100 Pages).
Activity based Homework to be done in a separate file.
2. **Do not copy & paste from the Internet.** Questions will be asked verbally on the content of the assignments given.
3. Submission of Holidays HW : **15th June, 2023.** Marks will be deducted if not submitted by the due date.
4. The Holidays Homework can be downloaded from the school's website: www.academicworld.co.in and School's ERP
5. For Assignment related queries, do contact the subject teacher via e-mail given underneath every subject assignment.

1. SUMMER ASSIGNMENT – ARTIFICIAL INTELLIGENCE

1. Download Pydroid 3-ide for Python from Google Play store and explore the application to create basic shapes (Circle, rectangle, square) using the turtle graphic suite.
2. Create **three** INVITATION E-cards for National Festivals of India (Independence Day, Republic Day, Gandhi Jayanti) using any one of the following online editors.
<https://www.canva.com>
<https://www.greetingsisland.com>
<https://www.postermywall.com>

***Note:** Kindly send your file according to the sections given below:

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List any ten face-recognition / object-detection softwares.

3. Explore Google's Semantris-an NLP word association experiment at the following URL and try-out the experiment and note down the points scored by you.
<https://research.google.com/semantris>

IN CASE OF ANY QUERIES, KINDLY MAIL TO:

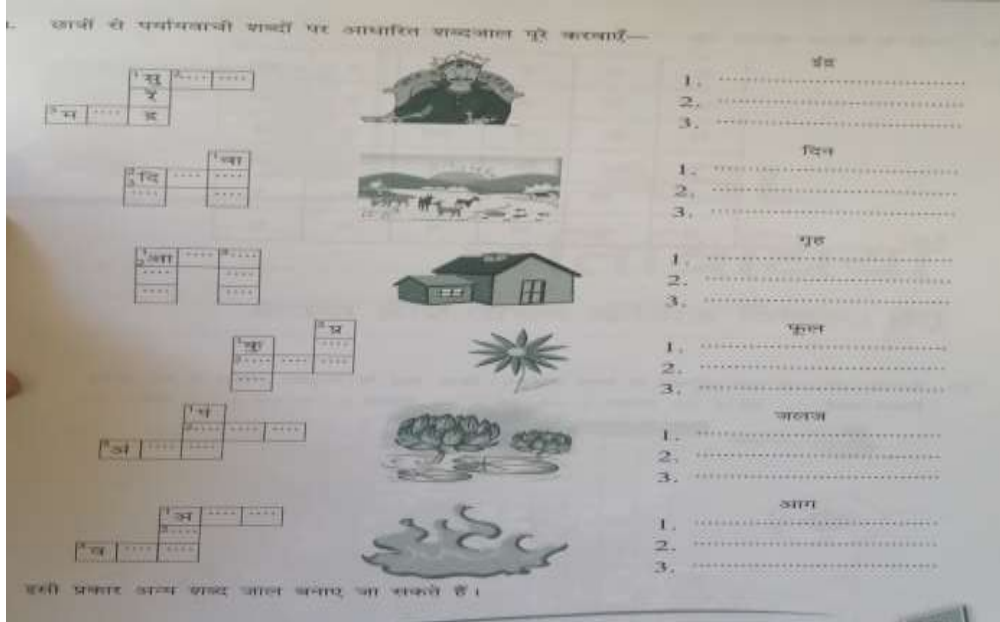
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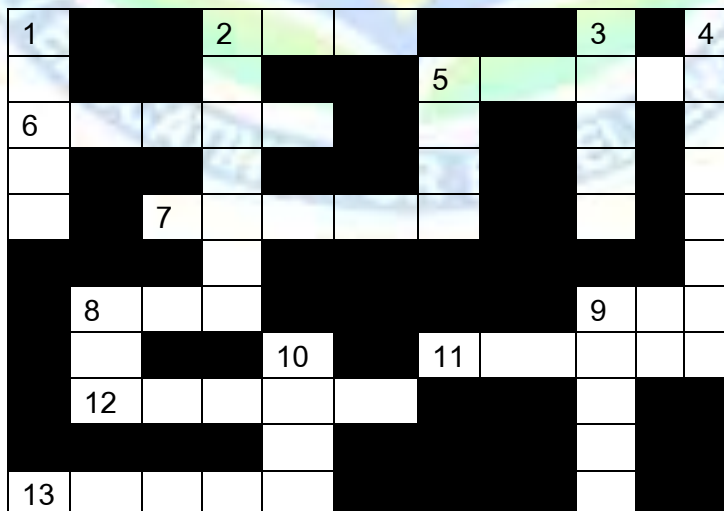
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2. SUMMER ASSIGNMENT – HINDI

- 1) गुजरात के भित्तिचित्र या कच्छ कला (मिट्टी की कला लिप्पन आर्ट) को केनवास पर प्रदर्शित कर लाएँ ।
- 2 हिन्दी के पर्यायवाची शब्दों से शब्द जाल भरिए एवं उनका वाक्यों में प्रयोग कीजिए ।



- 3 कहानी का <https://youtu.be/Z0-4xIVQOI4> कहानी सुनकर पात्रों के विषय में तीन तीन वाक्य लिखे ।
- 4 वर्षा ऋतु पर स्वरचित कविता लिखकर उसका पाठ करते हुए उसका विडियो बनाए ।
- 5 वर्ग पहेली जिसमे पहला शब्द जी से शुरू होता है ऐसे मुहावरों और शब्दों से पहेली हल करें और उनसे वाक्य बनाएँ ।



बाएँ से दाएँ

2. साहसी, साहस का काम करने वाला
5. तृप्ति या संतुष्टि न होना
6. किसी कार्य के लिए, इच्छा प्राप्ति के लिए मन उतावला होना
7. लालसा, लोलुपता

8. किसी के प्रति मन में प्रेम उत्पन्न होना
11. रोग, आशंका व भय इत्यादि वजहों से मन में घबराहट होना
12. मनमाने ढंग से, बहुत अधिक मात्रा में कोई कार्य करना
13. किसी काम या स्थान से मन ऊब जाना

ऊपर से नीचे

1. भय, परेशानी दूर होने के बाद मन स्थिर, प्रसन्न होना
2. पसंद के भोज्य पदार्थ के लिए लालायित होना, लालच
3. बकबक करना, कटु बातें कहना
4. परेशान, हलाकान करना
5. किसी को दुखी या संतप्त करना
8. जीवित अवस्था में ही
9. दुखी या खिन्न मन को कुछ समय के लिए प्रसन्न करना
10. कुछ करने या कुछ प्राप्त करने की इच्छा

(टिप्पणी – सभी छात्र गृहकार्य की नोटपुस्तिका अलग से बनाएँ और उसमें उत्तर लिखेंगे । किसी भी समस्या के समाधान हेतु निम्न ई मेल पते पर सम्पर्क करें ।

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3. SUMMER ASSIGNMENT – SANSKRIT

प्रश्न(1) शीर्षक – शब्दरूपम् एवं धातुरूपाणिम् ।

शिक्षण उद्देश्य – छात्र संस्कृत के आधारभूत व्याकरण से अवगत होंगे व उनका वाक्य में प्रयोग करना सीखेंगे ।

(अ) निम्नलिखित शब्दरूप याद कीजिए एवं कॉपी में लिखिए –

- अकारान्त पुल्लिङ्ग-शब्द बालकः व रामः का शब्दरूप लिखें ।
- आकारान्त स्त्रीलिङ्ग-शब्द बालिका व लता का शब्दरूप लिखें ।
- अकारान्त नपुंल्लिङ्ग-शब्द पुष्पम् व मित्रम् का शब्दरूप लिखें ।

(ब) निम्न के धातु रूप याद कीजिए एवं लिखिए –

- पठ् धातु लटलकार
- लिख् धातु लटलकार
- खाद् धातु लटलकार

प्रश्न(2) अधोप्रदत्त वर्ग प्रहेलिकातः पुल्लिङ्ग स्त्रीलिङ्ग शब्दं चित्वा लिखत्

(नीचे लिखे वर्ग पहेली से पुल्लिङ्ग स्त्रीलिङ्ग पदं चुनकर लिखिए)

रा	म	क	सी	ता	उ	रा	दा	दी
जा	म	वि	जः	व	प	ज	दा	व
बा	ता	ना	ह	बा	ला	ने	क	ति
लि	ना	री	जः	त्र	अ	ता	भू	मि
का	री	ग	जा	दा	मा	ला	कं	स

पुल्लिङ्ग _____
स्त्रीलिङ्ग _____

प्रश्न(3) गुजरात प्रान्त के प्रसिद्ध पर्यटन स्थलों का चित्र कॉपी में अंकित करते हुए इनके विषय में संस्कृतभाषा में एक अनुच्छेद लेखन लिखिए-

शिक्षण उद्देश्य – छात्र गुजरात प्रान्त के प्रसिद्ध पर्यटन स्थलों के बारे में जानेंगे ।

प्रश्न(4) अधोलिखितं गद्यांशम् पठित्वा प्रदत्तप्रश्नानाम् उत्तराणि निर्देशानुसारं संस्कृतभाषायाम् लिखत-

एकदा शीतस्य भीषणः प्रकोपः अभवत् । सम्राट् चन्द्रगुप्तः निश्चितवान् यत् निर्धनेभ्यः कम्बलानां वितरणं भवेत् । प्रधानमन्त्री चाणक्यः तत्कार्यं स्वीकृतवान् । भृत्याः सर्वान् कम्बलान् तस्य कुटीरे स्थापितवन्तः । रात्रौ केचन चौराः कम्बलान् चोरयितुं तस्य कुटीरं प्राविशन् । ते अपश्यन् यत् चाणक्यः एकस्मिन् कटे कम्बलं विना एव सुप्तः । तस्मिन् एव क्षणे चाणक्यः पदध्वनिं श्रुत्वा प्रबुद्धः । चौराः तम् अपृच्छन्-“भवतां समीपे कम्बलानां राशिः अस्ति तथापि भवान् कम्बलं विना एवं स्वपिति” । चाणक्यः अवदत्-शृणुत ! एते प्रावारकाः केवलं निर्धनेभ्यः वितरणार्थम् एव सन्ति । यदि अहम् एतेषु एकं स्वीकरोमि तर्हि अहम् अपि चौरः भविष्यामि । नतमस्तकाः चौराः तस्य पादयोः पतित्वा क्षमायाचनाम् अकुर्वन् ।

(अ)-प्रश्नानाम् उत्तराणि एक पदेन लिखत-

- (क) एकदा कस्य भीषणः प्रकोपः अभवत् ?
- (ख) रात्रौ चाणक्यः किं श्रुत्वा प्रबुद्धः ?
- (ग) रात्रौ चौराः किमर्थं कुटीरं प्राविशन् ?
- (घ) चाणक्यः कस्य प्रधानमन्त्री आसीत् ?

(ब)–पूर्णवाक्येन उत्तरत –

(क) सम्राट् चन्द्रगुप्तः किं निश्चितवान् ?

(ख) भृत्याः सर्वान् कम्बलान् कुत्र स्थापितवन्तः?

(ग) नतमस्तकाः चौराः किम् अकुर्वन् ?

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4. SUMMER ASSIGNMENT –SCIENCE

1) TOPIC - Prepare a detailed Project on Local Dish of Chhattisgarh and Gujarat.
(Art Integration)



Learning Objectives: Students will

- Analyze the ingredients and nutrients in food items.
- Categorize the nutrients.
- Classify Local Food and grains
- Collect information for comprehensive nutrition assessments.
- Describe the role of healthy food in life.

Materials Required: Chart paper, Notebook, Colour pens.

Procedure:

1. Draw the pictures of Local Dish of Chhattisgarh and Gujarat along with the ingredients and nutrients in your notebook.
2. Write names of Ingredients and Nutrients present in different dishes.
3. Also mention the importance of each Dish according to the table below.

Sl. No.	Dish	Ingredients	Nutrients	Source	Importance
1	Farrah	Rice	Carbohydrates	Plant	Gives Energy

4. Categorize different local grains, fruits and vegetables grown in Chhattisgarh and Gujarat into the following groups as per the function they perform:

- a) Body building
- b) Energy giving
- c) Protective food

5. Write recipe of any two dishes of Chhattisgarh and Gujarat with its nutritional value.

6. Now plan the diet chart for the following including the Local grains, fruits and vegetables for

- a) Growing children
- b) Old grandparent

Suggested Link: <https://food.ndtv.com>

<https://www.youtube.com/watch?v=2bSl3E9lFoE>

<https://www.youtube.com/watch?v=LdjeZg007AA>

Learning Outcomes: Students will be able to-

- Apply the role of nutrients in their diet.
- Use Local Food and grains in their diet.
- Acquire the skill to Plan a balanced diet.

2) TOPIC- Research on Silk Industry of Chhattisgarh



Learning Objectives: Students will

- Explore the history of clothing materials.
- Categorize the type of fibres.
- Analyze the production of Silk and its role in state economy

Concept- The Chhattisgarh Government to provide livelihood for people residing in rural pockets of the state is planning to massively increase production of Kosa-Silk. the Chhattisgarh Government is drawing up an elaborate five-year plan for promotion of Kosa-Silk production in the State. It directed to constitute women self-help groups (SHGs) under National Rural Livelihood Mission to promote production Silk in the State.

Make brief research report on the following

- Introduction
- History of clothing material
- Fibres and their types
- Production of Silk in Chhattisgarh (HOW- From Fibre to fabric)-Diagrammatic Representation.
- Contribution of Silk production in the state economy.
- Yearly Graphical representation of Silk production in the state.
- Conclusion.

Suggested Link: <https://timesofindia.indiatimes.com>

Learning Outcomes: Students will be able to

- Describe the history of clothing materials.
- Identify the type of fibres.
- Analyze the production of Silk

3) Topic- To make a Telescope (Model Based)



Learning Objectives: Students will

- Design the model
- Enhance deep learning of the concept
- Observe the stars and planets.

Concept: Telescope is a powerful optical instrument that is used to form magnified images of distant objects. Telescopes are often used to view distant objects in space such as **planets** and stars.

- Telescope has a **tubular-shaped structure** and it is formed with an arrangement of curved mirrors and lenses.
- Telescopes are based on the **principle of refraction as well as reflection.**
- Galileo Galilei, an Italian astronomer, was the first person to use a telescope for the study of astronomy.

Materials Required:

- Two lenses with different focal lengths (We recommend 150 mm and 500 mm double convex lenses.)
- Paper towel roll
- 1 piece of paper or cardstock
- Tape

Procedure:

1. Roll up the sheet of paper or cardstock the long way to form a tube that is about the diameter of the lens with the shortest focal length. This will be the eyepiece. Tape the edges of the eyepiece lens to one end of the tube as neatly as possible.
2. Tape the second lens neatly to the end of the paper towel tube. Insert the empty end of the paper tube into the cardboard tube. Now your telescope is ready to be used!

Use your Telescope and explore the following:

- 1) Does the Moon always look the same? Does its surface look different at different times? Explore these questions by making drawings of the moon at different times.
- 2) Observe the Stars and Locate the North Star (Hints- The northerly axis of planet Earth points roughly to Polaris, the North Star. This star appears stationary in the night sky, while all other stars appear to rotate around it)
- 3) Now observe different Constellation and draw it. (Hints- A constellation is an area on the celestial sphere in which a group of visible stars forms a perceived pattern or outline. Ursa Major, Ursa Minor. Orion, Cassiopeia)

Note- Prepare for the presentation of the Model on its features, working, and application.

Suggested Link:

<https://www.youtube.com/watch?v=UAX745LdWI8>

<https://learning-center.homesciencetools.com>

<https://www.youtube.com/watch?v=jcs1ClroaNI>

Learning Outcome: Students will

- Demonstrate the features, working and application of Telescope through the model.
- Explore the stars, moon and constellation through their own telescope.

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5. SUMMER ASSIGNMENT – ENGLISH

1. A Visit to Gujarat

Summer break brings a good time to travel with your family. A travelogue is a narrative story about personal impressions and experiences supported by images. Suppose you went to Gujarat with your family and explored places, food items, tradition and dance. So let's write a TRAVELOGUE reflecting treasured moments of your summer trip to Gujarat. Use relevant pictures.

(**Note:** Write the Travelogue in A- 4 size (100 pages) English Summer Assignment notebook.)

Format of a Travelogue:

My Travelogue:

❖ Name of the place: _____

❖ Name of the place in India: _____ Photograph, _____

❖ Date: _____

❖ Happiest moment of the trip: _____

❖ Monuments and places of attraction visited: _____

❖ One remarkable difference between the city you live in and Gujarat?(customs, food items, religion, traditions etc.)

❖ Reflection: State two life lessons learnt from this trip. E.g.: I learned that it is important to appreciate the tradition of the place I visited, it taught me how beneficial it is to follow the tradition.

❖ Reflection: State two life lessons learnt from this trip. E.g.: I learned that it is important to for e.g.: the tradition of waking up before sun rise as it improves or quality of sleep.

2. My House Model

Draw a picture of your home like map given as reference. Write a paragraph for each room in the house to describe the house, using as many prepositions as possible. Each paragraph should have at least three different prepositions to describe the different things in it.
(Note: Given below is the map of a colony, likewise you have to prepare for your home and give directions to reach different places.)

Make this house map in chart paper and stick it in Summer Assignment notebook with direction paragraph written on the next side page.

Let's Practice

Listen, look at the map and read. Write the right place:



1. Go straight on. Take the second street on the left. What's at the end of the street?
2. Go up The High Street. Take the first street on the left and go across the river. What's on the right?
3. Go up The High Street. Take the second street on the right and go straight on Cross Low Road. What's on the left?
4. Go straight on. Take the third street on the right. Walk past the shoe shop and stop. What's on the right?
5. Go up The High Street. Take the first street on the right. Next, take the first street on the left and go across Green Street. Then take the first street on the right. What's on the left?

3. Gujarat's cuisine

Imagine you are opening a new restaurant in Gujarat. Create a one – fold menu card including all famous dishes of Gujarat, categorize the menu under heads and give a related name to your restaurant. Paste related pictures for the realistic effect and categorize them under the heads as provided below:

- Munching Starters
- Filling Main Course
- Delicious Desserts
- Dazzling Drinks



(Make this menu card with old wedding cards, cardboard or chart paper)

Note: This image and heads for menu are just for reference, do not copy the same as provided.

Fun - o – Corner

✓ Suggested movies you can watch during the holidays.

- Finding Dory
- Finding Nemo
- Karate Kid
- Ice Age
- Kung Fu Panda
- The Lion King

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6. SUMMER ASSIGNMENT – SOCIAL SCIENCE

PROJECT- Handmade magazine

TOPIC- Fairs and Festivals of Gujarat.

OBJECTIVE:-

To enable students to

- Describe about the importance of different fairs of Gujarat.
- Engage in a creative process which connects an art form.
- Classify the different types of fair.

PROCEDURE: The students will design and prepare a magazine on different Fairs and Festivals of Gujarat using their own skills and creativity .The magazine should have the title, colorful images, text /information and creative thoughts.

MATERIALS REQUIRED –

Pencil, Eraser, Highlighter Pens, Flashcards, images, Sticky Notes, Stepper Set, glitter paper, glitter tape ,glue.

MODE OF PROJECT- Project file

SUB TOPICS

FAIRS AND FESTIVALS OF GUJARAT

• Navratri	• RannUtsav
• BhavnathMahadev Fair	• Vautha Mela fair
• Modhera Dance Festival	• Kite Festival
• BhadraPurnima Fair	• MadhavRai Fair
• Tarnetar Fair	• MakarSankranti
• RathYatra	• Janmashtami
• ChitraVichitraMela	• Ravechi Fair
• Kavant Fair	• ShamlajiMelo

The following information regarding the Fairs and Festivals of Gujarat must be included in the Project

1. What is the significance of the festivals?
2. In which month it is held?
3. In which ways festivals attract the tourist?
4. How the fairs and festivals of Gujarat showcase the real vibrancy and colours of its diverse culture?

SUGGESTED LINKS WHICH WILL HELP YOU

<https://youtu.be/bwllGehUd2Y>

<https://youtu.be/7FTE016opaY>

<https://www.gujaratexpert.com/blog/festivals-of-gujarat/>

PROJECT- 2- THE TRAVEL JOURNAL



TOPIC- TIME FOR HOLIDAY!

Learning Objectives:-

Students will be able to:

- Demonstrate their understanding of others culture.
- Express their experiences and able to share those experiences with friends and family members,
- Analyze the cultural difference of others.
- Explore new areas and enhance their skills.

Materials needed for a travel journal

The Book or any note book, The Markers ,Tape Roll, Stickers, brochures and maps, feathers, leaves and flowers,colours,pencil , photographs, tourist stamps etc.

PROCEDURE: Students will prepare their travel journal based on their plan for their next trip or the experience of last trip. They should use their understanding and creativity to make an illustrated travel journal detailing of their experiences.

The following information must be included in the report.

1. What did you learn? Which things surprised you?
2. How the people are different from your locality?
3. Write about cultural difference of that area.
4. How is the landscape different from where you live?
5. What foods has been your favorite?
6. What is the one reason that makes this place special for you?
7. Design a travel guide.
8. Mention about linguistic differences (if any) you faced.
9. Add your road trip story.

10. Display postage stamp, cultural artefacts etc.

RUBRICS –

Creativity - 2 marks

Understanding - 2 marks

Content – 1 mark

SUGGESTED LINKS:

<https://youtu.be/7CzKUWBBPro>

[https://www.2aussietravellers.com/creative-travel-journal-ideas/#Ideas to include in your travel bullet journal](https://www.2aussietravellers.com/creative-travel-journal-ideas/#Ideas%20to%20include%20in%20your%20travel%20bullet%20journal)

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7. SUMMER ASSIGNMENT –MATHEMATICS

1. Concept:- Outline the map of India and highlight the state of Gujarat and Chhattisgarh

Learning Objective – To enhance the analytical and manipulative skill of students

Procedure – Drawing and colouring using pencil/ water colour/ oil colours to outline the states on Map of India, Mention the population and Calculate as given in question

Answer the following

1. Find out the population of the State of Gujarat.
2. Find the distance between any city of Gujarat to any city of Chhattisgarh (For example- distance between Ahmedabad to Bhilai) in kilometre and convert the distance in kilometre to metre.

Learning Outcome: Students will be able to compare and calculate the conversions of units

2. Concept:- Data Handling

Learning Objective –To use the measuring tape or ruler for measuring height/length and convert the unit (cm to ft.)

Procedure – Measure the height of the following things at your home and fill the table.

S. No	Articles	Height in centimeter	Height in feet
1	Almirah		
2	Fridge		
3	Window (Any one)		
4	Bed (Length)		
5	Bicycle		
6	Father's Height		
7	Entrance Door		
8	Switch board		
9	TV		
10	Mirror		

Learning Outcome: Students will be able to understand and analyse the length /Shapes of various objects at their home

3. Concept: - Fraction

Learning Objective – To extract the concept of fraction using art integration

Procedure – Take the card board, divide that into fractions and prepare a tree as shown in figure.(<https://teachbesideme.com/fraction-math-trees/>)



Learning Outcome: Students will be able to understand the concept of fraction

4.concept: Calculation of area and perimeter of given geometrical figures

Learning objective: To develop geometrical skills

Procedure:

1. To select 3 different squares of different lengths. Draw a neat diagram with exact length of the edges for each of the objects on the white page of your project files.
2. To select 3 different rectangular objects of different lengths and breadths. Draw a neat diagram with exact length and breadth of the edges for each of the objects on the white pages of your project file.

Presentation: to present the data so collected in the charts/tables enclosed.

Serial Number	Length of the edge of the square object chosen	Area of the square	Perimeter of the square
1.			
2.			
3.			

Serial Number	Length of the edge of the rectangular object chosen	Breadth of the edge of the square object chosen	Area of the rectangle	Perimeter of the rectangle
1.				
2.				
3.				

Learning Outcome: Students will be able to Identify the different geometrical figures and calculation of their area and perimeter by activity method.

5. Concept: Money (Save money shop smarter)

Learning Objective : To develop life skills

Procedure:- A Single type of cereal may come in packets of different quantity with different prices, Consider 8 products with different size and price and make a chart and compare which one is best buy for them.



Learning Outcome: Students will be able to **Student will be able to learn how to spent money in smarter way**

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8. SUMMER ASSIGNMENT – FRENCH

WORK SHEET Note: The homework needs to be done in the French notebook. Stick the worksheet in the notebook. The worksheet should be done with pencil only.

Q1. Rédigez des nouveaux mots avec ces lettres.(Write new words with these alphabets.)

1. A
2. C
3. D
4. G
5. L
6. M
7. S
8. P
9. R
10. T

Q2.Répondez en français - Reply in French

1. Comment vous appelez- vous ?

2.Quel âge as-tu ? _____

3. Comment ça va ? _____

4. Quelle est votre nationalité? (nationality) _____

5.Quelle est votre profession ?

Q3.(Ecrivez les nombres en lettres en français : (Write the numbers in french) :

1. 1

2. 3

3. 5.....

4. 6.....

5. 10.....

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