SESSION: 2023-24

SUMMER VACATION ASSIGNMENT Grade: VIII

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. Prepare a PPT on "Artificial Intelligence & Ethics" having at least 10 slides.

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

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8D and 8E: atiatus.sabbur@academicworld.co.in

2. Create <u>two E- greeting cards</u> for the invitations of the following occasions (Garba Night, Annual Day Celebration) using any one of the following online editors.

https://www.canva.com

https://www.greetingsisland.com

https://www.Smilebox.com https://www.BeFunky.com

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

8A, 8B and 8C: sunny.matthew@academicworld.co.in

8D and 8E: atiatus.sabbur@academicworld.co.in

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

4. Create a simple walking Robot project. Things needed:

i. DC Motor

ii. Cycle Spoke,

iii. Battery and

iv. Ice cream stick

Refer to the YouTube Link given below-

 $\underline{https://www.youtube.com/watch?v=uVUroRVKoKI\&t=151s}$



IN CASE OF ANY QUERIES, KINDLY MAIL TO:

8A, 8B & 8C: Mr Sunny Matthew <u>sunny.matthew@academicworld.co.in</u>

8D & 8E: Ms Atiatus <u>atiatus.sabbur@academicworld.co.in</u>



2. SUMMER ASSIGNMENT – HINDI

1) गुजरात के संगीतकारों के फोटो का संग्रह करे उनके विषय में संक्षिप्त परिचय लिखे । विभिन्न वाद्य यन्त्रों के चित्र और उन्हें बजाते हुए संगीतकारा के चित्रों को स्क्रैप बुक में प्रदर्शित करें ।

अथवा

मिटटी से जेवरों को बनाने की कला का प्रदर्शन करें।

- 2) एक मैगजीन का निर्माण कीजिए जिसमें निम्न लिखित बातों का समावेश होना जरूरी है।
 - 1. मैगजीन के नाम का चयन स्वयं करें ।
 - 2. मैगजीन की अनुक्रमणिका बनाए ।
 - 3. मैगजीन के पहले पेज में एक कविता लिखे जिसमें गुजरात के प्रसिद्ध कवि नरसी मेहता का भजन वैष्णव जन तो लिखे साथ ही नरसी मेहता के जीवन के विषय में संक्षिप्त परिचय हो ।
 - 4. दूसरे पेज पर गुजरात के कवि राजेन्द्र शाह की कविता मेरा घर सुन्दर अक्षरों में लिखिए ।
 - 5. मैगजीन में कहानी का https://youtu.be/jTC80fIFKxM link कहानी सुन कर अपने विचार निम्न बिंदुओं के आधार पर कीजिए ।
 - क. पात्रों के दो विशेष गुण
 - ख. कहानी की सीख
 - ग. कहानी में यदि आप स्वयं कोई और मोड देना चाहते तो क्या देते ।
- 3) प्रेरणादायक अनुभव कराती कोई घटना के विषय में एक लेख लिखें ।
- 4) प्रेरणादायक विचार पट्टिका का भी एक पेज हो ।
- 5) एक पहेली जिनके शब्दों से एक-एक वाक्य रचना कीजिए ।

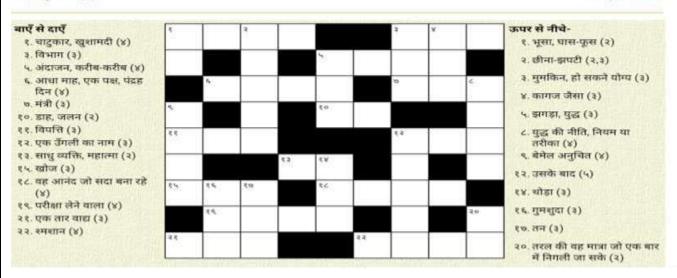


पुरालख ।ताम अनुसार । पुरालख ।वस्रयानुसार । ।हदा ।तक । हमार लखक । लखका स

पता- teamabhi@abhivyakti-hindi.org

वर्ग पहेली- १३२

वर्ग पहेली कैसे भरें



मैगजीन की सजावट और ग्राफिक्स आप स्वयं करें।

(टिप्पणी — सभी छात्र मैगजीन के लिए चार्ट पेपर को दो तह कर ए4 साइज के पेपर में मैगजीन बनाएँ । मैगजीन की सजावट के लिए रंगीन पेंसिल का प्रयोग करें । किसी भी समस्या के समाधान हेतु निम्न ई मेल पते पर सम्पर्क करें ।

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Class 8B, 8C & 8E Kumudini.l.ahir@academicworld.co.in

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3. SUMMER ASSIGNMENT -SANSKRIT

प्रश्न1) शीर्षक – शब्दरूपलेखनम् एवं धातुरूपाणिम्।

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

- (अ) निम्नलेखित शब्दरूप याद कीजिए एवं कॉपी में लिखिए
 - > अस्मद सर्वनाम शब्दरूप प्रथमा से सप्तमी तक
 - 🕨 युरमद सर्वनाम शब्दरूप प्रथमा से सप्तमी तक
- (ब) निम्न धातुओं के धातु रूप याद कीजिए एवं कॉपी में लिखिए
 - 🕨 पिब्– पिबति, धातु लट्लकार
 - खाद्— खादति, धात् लृट्लकर
 - 🕨 पठ्– पठति, धातु लंगलकार
 - > लिख- लिखति धातु लोट्लकार

प्रश्न(2) अधोप्रदत्त वर्ग प्रहेलिकातः अव्ययान चित्वा लिखत् (नीचे लिखे वर्ग पहेली से अव्यय पद चुनकर लिखिए)

| त | दा | ता | व | त | उ | भ | य | त |
|-----|-----|-----|----|-----|----|----|----|----|
| त्र | अ | द्य | स | स | Ч | वि | दा | व |
| कु | ម្វ | स | ह | र्व | रि | ना | Я | ति |
| क | ना | दा | सा | র | अ | ल | म् | ह |
| ч | रि | तः | क | दा | ध: | नि | क | षा |

प्रश्न(3) गुजरात प्रान्त की संस्कृतिक <mark>नृत्यों, गीतों,</mark> व्यंजनों का चित्र कॉपी में अं<mark>कित करते</mark> हुए इनके विषय में संस्कृतभाषा में दो अनुच्छेद लेखन लिखिए—

शिक्षण उद्देश्य – छात्र गुजरात प्रान्त के संस्कृतिक तथ्यों के बारे में जानेंगे।

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

(नीचे लिखे गद्यांश को पढकर प्रश्नों के उत्तर संस्कृत में लिखिए।)

दीपावली अस्माकं धार्मिकोत्सवः वर्तते। दीपावल्यां जनाः गृहाणि परिष्कुर्वन्ति। अस्मिन् उत्सवे सर्वे जनाः परस्परं भेदभावं विस्मृत्य आनन्दमग्नाः भवन्ति। त्रेतायुगे कैकेय्याः वरयाचनात् अयोध्यायाः राज्ञा दशरथेन रामाय चतुर्दशाणां वर्षाणां वनवासः प्रदत्तः। श्रीरामः अस्मिन् एव दिने सीतालक्ष्मणाभ्यां सह अयोध्या प्रत्यावर्तित वान्। तान् स्वागतं व्याहर्तुम् अयोध्यावासिनः नगरे सर्वत्र दीपान् प्रज्वालितवन्तः। तदा आरभ्यअद्यावधिः प्रतिवर्ष कार्ति्कमासे अमावस्यायां तिथौ भारते दीपावली—महोत्सवः महता उत्साहेन आयोजितः भवति। अस्मिन्नवसरे ते स्विमत्रेभ्यः बन्धुभ्यश्च उपहारान् यच्छन्ति, परस्परम् अभिनन्दिन्त च बालकेभ्यः मिष्ठान्नं यच्छन्ति। सर्वे जनाः लक्ष्मी—गणेशयोः पूजनं कुर्वन्ति। पितरः स्वसन्तितभ्यः स्फोटन कानि ददित। अस्मिन् महोत्सवे सर्वे सर्वेभ्यः सुखाय समृद्धये च शुभेच्छाः प्रकटयन्ति।

(अ)-प्रश्नानाम् उत्तराणि एक पदेन लिखत-

- (क) कः अस्माकं धार्मिकोत्सवः वर्तते?
- (ख) कस्याः वरयाचनात् दशरथेन रामाय वनवासः प्रदत्तः?

- (ग) सर्वे जनाः परस्परं किम् विस्मृत्य आनन्दमग्नाः भवन्ति?
- (घ) दशरथेन रामाय कति वर्षाणां वनवासः प्रदत्तः?

(ब)-पूर्णवाक्येन उत्तरत -

- (क) कदा जनाः गृहाणि परिष्कुर्वन्ति?
- (ख) दीपावल्यां सर्वे जनाः कयोः पूजनं कुर्वन्ति?
- (ग) दीपावली-महोत्सवे सर्वे सर्वेभ्यः किं प्रकटयन्ति?

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8B, 8C, 8D & 8E Mr. Dhanesh Shukla-<u>dhanesh.prasadshukla@academicworld.co.in</u>



4. SUMMER ASSIGNMENT –SCIENCE

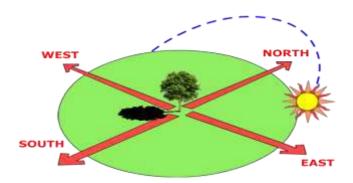
1. Topic: Research on the motion of Sun.

Learning Objectives: Students would be able to-

- describe the Sun's movement and its relation to other objects each hour.
- use landmarks to record and make predictions of the Sun's changing positions.
- ❖ compare the Sun's path observations and recording during each season.

Required Materials: Project file, pictures of Sun for collage, color pens etc.

Concept: The apparent motion of the sun, caused by the rotation of the Earth about its axis, changes the angle at which the direct component of light will strike the Earth. From a fixed location on Earth, the sun appears to move throughout the sky. The position of the sun depends on the location of a point on Earth, the time of day and the time of year. This apparent motion of the sun is shown in the figure below.



A collage of a 12 pictures of the Sun clicked over a period of 12 months at the same place and same time which is mentioned in given picture. The pictures were clicked by Ciro Russo.



Procedure- Prepare a project file and answer the following questions on above research:

- 1. Prepare a collage of 7 pictures of Sun clicked over a period of 1 week at same place and same time. Do you see any difference?
- 2. What is an analemma? Why it has shaped like a figure 8?
- 3. The planets in our solar system are expanding their orbits, according to a team of NASA scientists. Explain its reason.
- 4. What would happen if gravitational force of the Sun suddenly vanishes?
- 5. Will the Sun burn out one day?
- 6. Can we survive without sun? Give your views.
- 7. What are the two types of motion representing by the Sun?

SUGGESTED LINKS WHICH WILL HELP YOU-

https://solarsystem.nasa.gov/solar-system/sun/in-depth/

http://solar-center.stanford.edu/art/analemma.html

Learning Outcomes: At the end of this activity students will be able to-

- illustrate the motion of sun.
- enhance their skills on information literacy.
- critically think about the significance of sun in our daily life.

2. Topic: Science and Technology of Gujarat.

(Kalasetu Art Integration S.no. 4.1.1.1.7)

Study and use of various media and techniques to the extent of their availability.

Subject Integration-Biology, Chemistry, Physics, Mathematics, Languages, Political Science, Geography, History, Media

Learning Objectives: Students would be able to-

- develop skills of scientific inquiry to design and carry out scientific investigations and evaluate scientific evidence to draw conclusions
- communicate scientific ideas, arguments, and practical experiences accurately in a variety of ways
- appreciate the benefits and limitations of science and its application in technological developments
- analyze the nature of science and the interdependence of science, technology, and society including the benefits, limitations, and implications imposed by social, economic, political, environmental, cultural and ethical factors

Procedure- Research on the given topics and prepare a Power Point Presentation.

Points to be included:

- Introduction.
- Information & Communication Technology including e-Governance
- Biotechnology
- Science & Technology
- Remote Sensing and Space Application
- Seismology

SUGGESTED LINKS WHICH WILL HELP YOU-

https://dst.gujarat.gov.in/introduction.htm

Learning Outcomes: At the end of this activity students will be able to-

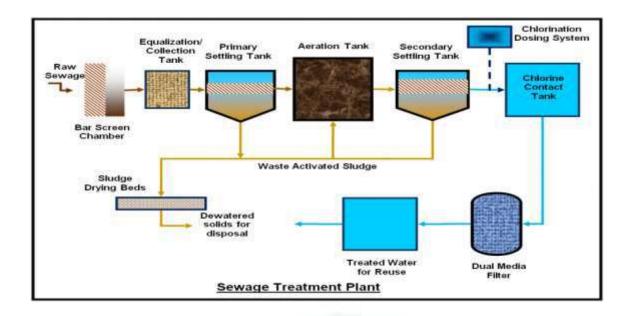
- enhance their hands on learning science and technology.
- ❖ access and evaluate the information critically.
- ❖ appreciate the development of Remote Sensing and Space Application.

3. Topic: Waste Water Treatment Plant. (Model Based)

Learning Objectives: Students would be able to-

- analyze the basic steps of waste water treatment.
- * express the importance of waste water treatment plant.

Required Materials: Cardboard, chart papers, boxes, bar screen etc.



Procedure- Make a working model of Waste water treatment.

Points to be included in the model:

- Primary Treatment
- Secondary Treatment
- Sludge Treatment
- Chemical Treatment

SUGGESTED LINKS WHICH WILL HELP YOU-

https://www.youtube.com/watch?v=rFtHBPJz5jo

https://www.youtube.com/watch?v=54OXfA2VQ3M

Learning Outcomes: At the end of this activity students will be able to-

- analyze the national challenges in waste water management.
- ❖ Enhance their knowledge of various microbial and chemical contaminants.

In case of any queries:

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5. SUMMER ASSIGNMENT – ENGLISH

Q1. Make a digital **or** handwritten newspaper and draft the following items. After completion of digital newspaper you can download it and share the link with your instructor for evaluation.

Digital News Paper Making

Step -1: Visit and sign up on the website www.makemynewspaper.com.

Step-2: A newspaper is primarily about the written articles/news, so ultimately, you will design and layout your three-pages newspaper around your articles. Here is what you will need to gather minimally and choose/use the free templates available on the website. News- National, international and sports news (current news)

a) An interview (Dialogue Writing)- Interview at least one person(doctor, engineer, your father or mother) and write an article based on the interview. You will need to first devise a list of questions they feel are important.. Segregate the most important bit of information that came out of the conversation and draft dialogues based on it.

b) A funny opinion

Write an opinion piece on any of the given topics. For writing this article you must do research to understand both sides. Then pick a side of your choice and explain why you believe it to be superior. Your article will need to include both sides in some form. For example, if you write about which superhero, Batman or Superman, is the better hero. You need to include the pros and cons of each superhero, but then explain you believe one or the other is the better hero. There needs to be elements of critical thinking in the argument. You may choose topic of your own choice. Some suggested topics are:

- ¬ Do boys gossip?
- ¬ Do falling coconuts pose a threat to people near?
- ¬ Do woodpeckers ever suffer from headaches?
- \neg Learn more about the possibility of unicorns.
- ¬ How to be successful in school without really trying?
- ¬ Do you know what your pet thinks?

An article/ poem /story of your choice. Awaken the writer within you and weave a poem, story or an article based on your thoughts.

c) Fillers-

Fill the newspaper with the following filler ideas.

- ¬ Movie reviews (Refer to page no.76 Coursebook for movie reviews)
- Acrostic Poem (Summer, Icecream, family, Cooler)

The first stanza will be common. The rest stanzas can be drafted by taking things related to summer season like Icecream, family, Cooler etc.

- Eg- S—Scorching Sun shines in the sky
 - U—Umbrella is needed to go outside

- M- Mothers ask not to go in the hot sun
- M-Mary likes to swim in the river the whole day
- E-Eat less and drink more, says every human
- R-Read novels and watch movies , summers have come||
- ¬ Comic strip of any story that you like
- \neg Puzzles
- ¬ Advertisements
- \neg Articles
- ¬ Photos and Images
- \neg Recipes

Videos for reference: https://youtu.be/WVaArGoG2Go

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MS. SANDHYA NAIR - <u>sandhya.nair@academicworld.co.in</u> (8C, D)
MS. DIVYA PANJWANI- <u>divya.panjwani@academicworld.co.in</u> (8E)

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6. SUMMER ASSIGNMENT -SOCIAL STUDIES

ASSIGNMENT-I ART INTEGRATED

PROJECT FILE - FOLK DANCES OF CHHATTISGARH AND GUJARAT.

LEARNING OBJECTIVE:-

- ❖ To raise awareness of the value of traditional dance styles as a component of our cultural heritage.
- ❖ To **enable** students to **recognise** the many artistic mediums and patrons of diverse geographical areas.

<u>Procedure-</u> Students will prepare a Project File on the various folk dances of Chhattisgarh and Gujarat.

(Kalasetu Art Integration S.no. 4.5.3.1)

Chhattisgarh- 1. Raut Naacha

2. Panthi Naacha

3. Karma Dance

Gujarat- 1. Bhavai

2. Dandiya Raas

3. Tippani







Subject Integration- History, Geography, History and General Knowledge

MATERIALS REQUIRED -

Pictures, Pencil, Eraser, Highlighter Pens, Flashcards, images, Sticky Notes, glitter tape, glue.

The following information regarding the dance forms must be included in the Project file.

- 1. Basic information of each dance form.
- 2. Historical background and its cultural importance.
- 3. Role of Government in promoting arts.
- 4. Extravagant facial makeup and jewellery.
- 5. What significance do folk dances play in maintaining a connection to the past?
- 6. Eminent performers of each classical dance

LEARNING OUTCOMES-

After doing this activity,

1. Students will learn about the various cultural values held by residents of the two states.

2. Students will comprehend how folk dances aid in gaining knowledge about a people's history, traditions, and values.

ASSIGNMENT-II -RESEARCH-BASED

PROJECT FILE- WASTE MANAGEMENT IN INDIA IS THE NEED OF THE HOUR.

In order to respond to the questions below, students will conduct a study on the subject of plastic waste management.

MATERIALS REQUIRED -

Pictures, Pencil, Eraser, Highlighter Pens, Flashcards, images, Sticky Notes, glitter tape, glue.

LEARNING OBJECTIVES-

The goal of this study is to gain a deeper understanding of the various components of plastic waste management (beginning with its generation to processing with alternatives for reuse and recycling, transport, and disposal), as practised in various municipalities.



PROCEDURE-Students will investigate the assigned topics and create a project file that includes the assigned topics:

- 1. What is the Significance of Plastic? Can we outlaw all plastic packaging of any kind?
- 2. How much plastic waste does your family produce in a week?
- 3. What percentage of India's garbage is made of plastic? How much of the generated garbage is recycled?
- 4. Top 5 Plastic waste producing states of India.
- 5. How is India addressing the concerns regarding Plastic-Waste?
- 6. Consequences of plastic waste if not properly disposed of.
- 7. Public-Private initiatives to reduce single-use plastic bags.
- 8. Involvement of Municipalities of your state in Waste disposal.
- 9. How recycling waste can help to boost the economy?
- 10. Suggest any 5 measures in which you can reduce and reuse plastics in your daily life.

LEARNING OUTCOMES-

After conducting this research,

- 1. The students will learn the fundamentals of managing plastic trash, from its generation at the source to its disposal in a system of municipal organizational structure.
- 2. The importance of their individual contributions to lowering plastic pollution and boosting recycling rates for a healthier environment will become clear to students.

Suggested Links:

- ${\bf 1.https://www.motherearthliving.com/health-and-wellness/harmful-effects-of-plastic-\underline{ze0z1205zsch}}$
- $\textbf{2.}\ \underline{http://swachhbharaturban.gov.in/writereaddata/SBM\%20Plastic\%20Waste\%20Book.pdf}$

RUBRICS -

Creativity – 2 marks Understanding – 2 marks Content – 1 mark

IN CASE OF ANY QUERIES, MAIL TO:

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|-----------|---------------------|-------------------------------------|
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7. SUMMER ASSIGNMENT – MATHEMATICS

1. Concept:- Data Collection and Representation

Learning Objective – To enhance the confidence and analytical understanding using social survey.

Procedure – Meet minimum 50 people in your locality and complete the following table.

| S. No | Name | Age | Gender | Occupation | Qualification |
|-------|------|-----|--------|------------|---------------|

Answer the following with the help of data to be collected.

- 1. Find the % of male, female and kids in your locality.
- 2. Find the literacy rate.
- 3. How many people are eligible for giving vote?
- **4.** Find the rate of employment.

Learning Outcome - Students will be able to perform survey in their locality, will improve interpersonal skills and conclude the data.

2. Concept: - Perimeter and Area

Learning Objective – To articulate and analyse the concept of area and perimeter in real life.

Procedure – Make a town using squared paper with the following.

Path, Garden, Building, Tample.

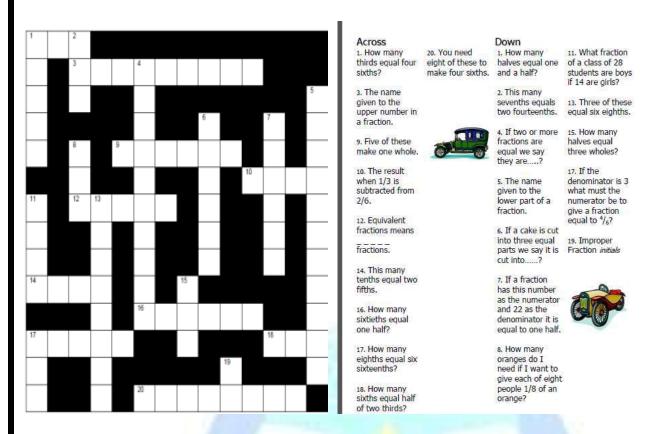


Learning Outcome - Students will be able to understand the calculation and significance of perimeter and area in our town.

3. Concept: - Mental Ability

Learning Objective – To interpret the logical puzzles.

Procedure – Take the Printout of the following cross world and solve.

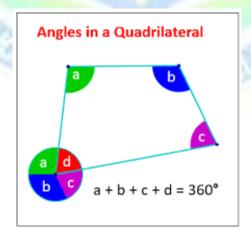


Learning Outcome – Students will be able to recall the basics of math along with reasoning abilities.

4. Concept: - Geometry

Learning Objective- To extract the angle sum property.

Procedure – Take any three polygons (Eg. Triangle, Quadrilateral, and hexagon) cutting on cardboard and remove their pieces from vertices with the same radius as shown in the figure. Join those pieces and identify the sum of all angles.



Learning Outcome- Students will be able to prove angle sum property of triangle and quadrilateral and other polygons.

5. Concept: - Integer

Learning Objective – To design an aid for enhancing concepts of integer.

Procedure - Take 50 - 50 capes/Circular cuttings of two different colours. Ask random number from the family members and write them on the cap, (consider red colour cap for positive integer and blue colour cap for negative integer). Put the caps in a packet and take out two caps together, according to the colour go with addition or subtraction.

Learning Outcome - Students will be able to perform addition and subtraction of integers easily.

IN CASE OF ANY QUERIES, MAIL TO:

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|----------------------|--------------------------------------|---------|
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8. SUMMER ASSIGNMENT – FRENCH

Note: The homework needs to be done in the French notebook. Stick the worksheet in the notebook. The worksheet should be done with pen,pencil and colour only.

O1Répondez et complétez:

| Q1Répondez et complé | etez: | | |
|---|----------------------|------------------|----------------------------|
| 1 | , | <u>,</u> | sont des pays |
| francophone. (french spec | ıking countries) | | |
| 2 | est l'hymne nation | ale de France. | |
| 3 | est la capitale d | e la France. | |
| 4 | est la fête natio | onale française. | |
| Q2. Décrivez votre salo canape,lampe,peinture,ta | • | | |
| 3. Décrivez les quatre pasting) les images. | monuments françai | s ou Inde (de vo | tre choix) en collant (by |
| 4.Ecrivez cinq Gujrati picture) | cuisine avec les ima | ages:(Write five | Gujrati cuisine with |
| Contact me for help: | sunita.devi@academic | world.co.in | |
| | ===== :::00 | 000 ::: ===== | |