MAHARSHI PATANJALI VIDYA MANDIR

HOLIDAY HOME WORK

SESSION 2024-25

CLASS- VIII

ENGLISH

1. **Learn all the work done in the class**

2. *Mark at least 10 difficult words from all the chapters taught in English Literature (both the Reader and Main Course Book) find out their meanings, along with their synonyms and antonyms. Also frame meaningful sentences out of the same.*

*Note - **All he above given work should be done in the classwork notebooks.**

Project

3. **Make a project on all the problems that Kalam faced in his life since childhood till the time he became the President of India. State how he cope with the challenges.**

My Journey by APJ Kalam by reading the book "My Journey" by Dr. A.P.J. Abdul Kalam.

- **The project should be of at least 5 file pages**
- **It should be self written**
- **The students should read the book completely first and then answer**
- **On one side of the page** <u>**Drawings (not sticking pictures)**</u> **should be made showcasing a particular scene**
- **Proper conclusion should be provided in the end**
- **Decoration of the project required**

State how the book has inspired you and what lesson of life have you learnt from the book.

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SOCIAL SCIENCE

HISTORY / CIVICS

1. **Keep a watch on the ongoing elections in the country. Prepare an analysis based on the election results.**

2. **Also make the symbols of the major political parties of India and mention the President of each party.**

3. **Name of the new Prime minister(after the declaration of results)**

Council of ministers – with names of people holding various portfolios.

GEOGRAPHY

4. **Make a model of the Non Conventional sources of energy.**

HELP BOX-1

1. **Wind mills**

2. **Solar panels**

3. **Solar cooker**

4. **Biogas**

Assignment -2 : On a chart paper write about types of agriculture and stick pictures related to it.

HELP BOX-2

• **Agricultural practices of tribals living in different parts of the world.**

Such as:Bedouins, Bantus andTharu etc.

 By what names are their agricultural practices known as?

Computer

- **Create a PowerPoint presentation on the topic "Different types of networks and their component" by collecting relevant pictures and information about the same from the internet and present it impressively.**

- **Collect the data of your classmates and how they commute to school (via bus, van, and parent). Draw a table in your notebook and organize the collected data in the form of rows and columns as shown:**

Roll No.	Student Name	Address	Transportation Means

- **Create a school cover page for your magazine and present it impressively.**

- **Draw an e-Card for the annual function.**

MATHEMATICS

1. Using the properties of addition of rational numbers, arrange and simplify:

(i) $\frac{2}{5} + \frac{7}{3} + \frac{-4}{5} + \frac{-1}{3}$

(ii) $\frac{2}{5} + \frac{8}{3} + \frac{-11}{15} + \frac{4}{5} + \frac{-2}{3}$

2. What number should be subtracted from $(\frac{3}{4} - \frac{2}{3})$ to get $\frac{-1}{6}$?

3. I) Find ten rational numbers between $\frac{-2}{5}$ and $\frac{1}{2}$.

   II) Find two rational numbers between $\frac{3}{5}$ and $\frac{3}{4}$.

4. $\frac{7}{11}$ of the money in Hamid's bank account altogether is Rs. 77,000. How much money does Hamid have in his bank account?

5. If you subtract $\frac{1}{8}$ from a number and multiply the result by $\frac{1}{4}$, you get $\frac{1}{16}$. What is the number?

6. Rajni had a certain amount of money in her purse. She spent Rs. $10\frac{1}{4}$ in the school canteen, bought a gift worth Rs. $25\frac{3}{4}$ and gave Rs. $16\frac{1}{2}$ to her friend. How much she has to begin with?
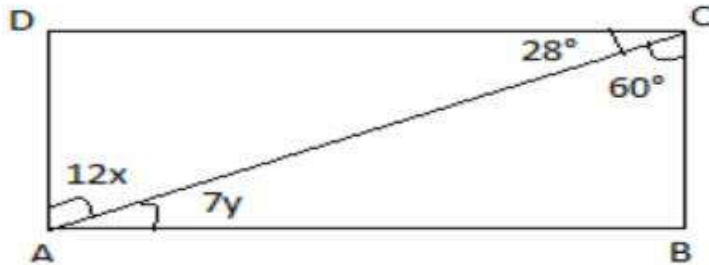
7. The angles of a quadrilateral are in the ratio of 2:3:5:8. Find the measure of each angle of quadrilateral.

8. ABCD is an isosceles trapezium in which AB and CD are parallel and AD=BC. Find the other angles.

9. If one angle of a quadrilateral is 108° and other three angles are equal, then find the   measure of each of these equal angles.

10. ABCD is a parallelogram. Find x and y.

Activity 1: The sum of interior angles of quadrilateral is 360°. Prove by paper cutting and pasting method.
Activity 2: Make a working model of rational numbers.
Activity 3: Discover the details of Hardy Ramanujan number and why it is called magic number? And make file presentation of this.

हिंदी

1. निम्नलिखित शब्दांशो की सहायता से उपसर्गों की रचना करते हुए वाक्य में उनका प्रयोगकरे।

नि, प्र, अन, वि, परा

2. 'भविष्यत' कविता के आधार पर मैथिलीशरण गुप्त की कोई अन्य कविता ढूंढे एवं उनमें से किन्ही पांच शब्दों के अर्थ लिखकर कविता का संदेश लिखें।

3. नेहरू जी ने जेल में भी बागवानी शुरू क्यों कर दिया ?उनके इस कार्य से आपको क्या प्रेरणा मिलती है और क्यों ? बागवानी के महत्व को दर्शाते हुए अपने घर में पांच पौधे लगाए एवं उनके बारे मे

चित्र सहित लिखें ।

4. कक्षा में पढ़ाए गए समस्त पाठों का पुनराभ्यास करें।

संस्कृत

1-संस्कृत के 10 कवियों तथा लेखकों के नाम एवंउनकीपुस्तकोंकेनामलिखिए(संस्कृत मित्रम् पेज 28)

2-औषधि गुणोंवाले5 पौधों के बारे में सचित्र संस्कृतभाषा में कॉपी मेंलिखिए।

3- शब्दरुप   मुनि तथा धातुरुप   कृ के पाँचों

लकार उत्तरपुस्तिका मैं लिखिए एवं याद कीजिए।

4- विश्वासोएवमैत्रीमूलम्पाठ की कहानी हिन्दी में

लिखिए।इस पाठ से क्या शिक्षा मिलती है ?

सभी कार्य संस्कृत की उत्तरपुस्तिका में करनेहैं।

SCIENCE (BIO/CHEM)

* Read Chapter 1. Crop production and management and do the exercises given at the end of the chapter.
* Draw the diagrams of Agricultural implements from the chapter in your copy.
* Read Chapter 3. Coal and petroleum
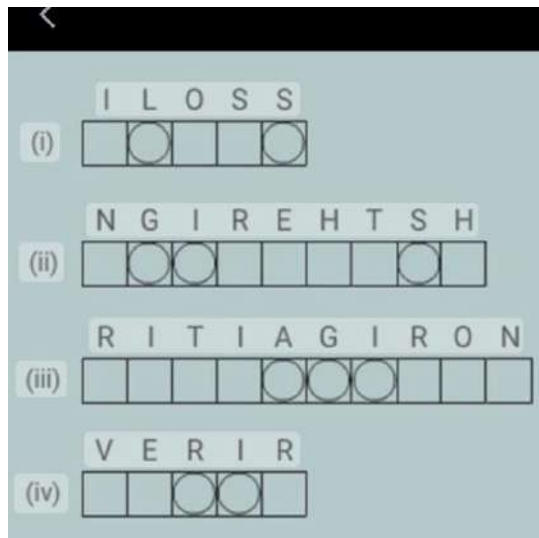* Do the given below questions in your Classwork copy.

QUESTIONS

1. Visit the agriculture field of your locality and take the interview of the farmer on various agricultural practices followed by them for growing paddy crop.Explain it.

2. Prepare a report with the help of local people of your area on excessive use of fertilizer in field and their consequences on biotic and abiotic factors of environment. How biofertiliser can change the situation?

3 . Krishi Vigyan Kendra (KVK), a constituent extension centre of Tamil Nadu Veterinary and Animal Sciences University, organised a farmer's workshop on organic farming in vegetable cultivation at Kalayarkoil to commemorate the World Soil Day.
(a) What is organic farming?

(b) What is the advantage of organic farming?
(c) What are the health benefits of organic farming?
(d) What values of KVK are shown here?
4. Unscramble the words

5.Make a crossword puzzle related to chapter crop production and management .

PHYSICS

1Which of the following is not a non-contact force?
(a)Electrostatic force
(b)Gravitational force
(c(Frictional force
(d)Magnetic force

2Which of the following scientist gave the idea of the existence of gravitational force?
(a)Einstein
(b)James watt
(c)Faraday
(d)Newton

3.Some mustard oil is kept in a beaker. It will exert pressure:
(a)Downwards only
(b)Sideways only
(c)Upwards only
(d)In all the directions

4.A pressure of 10Pa acts on an area of 0.3m^2. The force acting on the area will be
(a)3000N
(b)30N
(c)3N

(d)300N
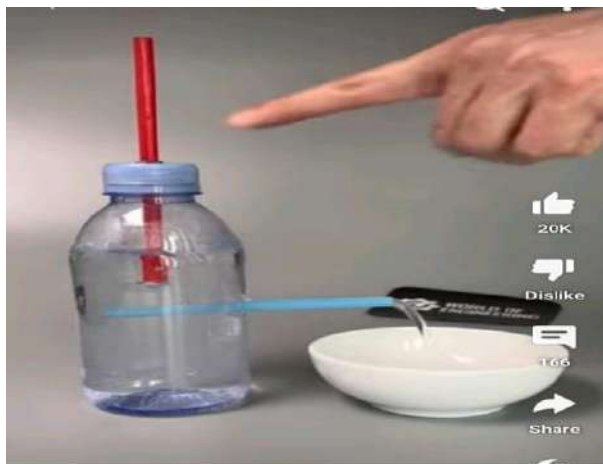
5.The atmospheric pressure is usually measured in the unit of :
(a)Newton per square meter
(b)Pascal
(c)cm of mercury
(d.)Square meter of mercury

6.Complete the following table :Identifying Actions as Push or Pull:

S. No.	Description of the situation	Action (pushing/pulling/ picking/ hitting/lifting/lowering/flying/ kicking/throwing/shutting/ flicking)				Action can be grouped as a	
						Push	Pull
1.	Moving a book placed on a table	Pushing	Pulling	Lifting	—	Yes	Yes
2.	Opening or shutting a door						
3.	Drawing a bucket of water from a well						
4.	A football player taking a penalty kick						
5.	A cricket ball hit by a batsman						
6.	Moving a loaded cart						
7.	Opening a drawer						

7.Construct a working model of pressure bottle rocket as shown in the figure.

Student can use below link for reference

(https://youtube.com/shorts/HupOdYPT9PQ?si=2vR9-rXiife9OlaF)

8.Construct a kaleidoscope using cardboard,broken bangles ,colourful papers as shown in the figure:

The story books prescribed for the students who are not attending the camp are –

1. **Something Happened On The Way to Heaven Edited by Sudha Murthy**
                          OR
2. **A Tiger For Malgudi by RK Narayan.**

Students have to read any one of the books.

An assessment of their reading skills from the prescribed books will be held in the last week of July