

**DAV Public School, Pushpanjali Enclave, Pitampura**  
**HOLIDAY'S HOMEWORK (2022-2023)**  
**Class VII**

**ENGLISH**

- Do 10 sheets of **cursive handwriting**.
- Write **30 verbs** along with their forms.
- **Read the book:** Swami and Friends by R.K. Narayan
- **Project Work:** MAKE A MAGAZINE

The magazine should have the following components:

1. A suitable cover page and title.
2. Articles on Friendship, discipline, importance of reading, riddles, quizzes etc.
3. Colorful and bright work  
Suitable Pictures to be added.

(You can take a scrapbook or colored sheets for the work)

**HINDI**

Roll no. (1-10) किन्हीं पाँच भारतीय पर्वतारोहियों पर पीपीटी निर्माण कीजिए।

(11-20) राष्ट्र भक्ति से ओत-प्रोत महान राष्ट्र कवि 'रामधारी सिंह दिनकर' की काव्य कृतियों का कोलार्ज बनाइए।

(A3 शीट पर)

(21-30) किन्हीं दो स्वतंत्रता सेनानियों का जीवन परिचय देते हुए सचित्र चार्ट तैयार कीजिए। (Cartridge शीट पर)

(31-40) "टिकाऊ कृषि को बढ़ावा" विषय पर आलेख तैयार कीजिए। (A4 शीट पर)

(41- आखिर तक) "गरीबी के कारण बताते हुए उसे पूर्णतः समाप्त करने के लिए सरकार द्वारा कौन-कौन से कदम उठाए गए हैं।" इस विषय पर (4 पृष्ठों) प्रोजेक्ट तैयार कीजिए। (A4 शीट पर)

\*नोट- सभी कार्यों के लिए पीले रंग का प्रयोग करें। अन्य किसी भी रंग का प्रयोग मान्य नहीं है।

**SOCIAL SCIENCE**

**ACTIVITY /PROJECT LESSON --- AIR AROUND US**

**TOPIC – STRUCTURE OF THE ATMOSPHERE**

Cut the circles of different sizes and colours to show the four different layers of the Atmosphere.

Write the characteristics of each layer on A4 SIZE Sheets or S.ST PROJECT FILE.

**ACTIVITY /PROJECT LESSON --- MAJOR RELIGIONS**

Collect information related to these religions from various sources and write it in your S.ST Project file according to your roll numbers.

Islam- 1-15 Roll number

Sikhism- 16-30 Roll number

Bhakti Movement- 31-45 Roll number

Sufism- 46-56 Roll number

## **ACTIVITY - MUSICAL HARMONY-**

### **CHAPTER:- MAJOR RELIGIONS**

Learn any one devotional song (Bhajans, Shlokas, Hymns, Sufiana Kalam and Shabad Kirtan)

**Note-** Revise the notes/ Question and Answers of all the chapters done.

## **MATHS**

### **1. Symmetry (Project)**

Dear Students , project work should be shaped up as per instructions given below.  
(to be done in project file)



Page 1 - Define Symmetry. Different types of Symmetry. What do you understand by line symmetry? Paste or draw pictures for the same.

Page 2 - Activity Time ( Art Integration)

1. Paste an ink dot design (refer textbook page no. 243)

2. Paste a creative paper cutting design using the concept of symmetry.

Can refer the video using the given link

<https://www.youtube.com/watch?v=-V2mDVwSf2E>

3. Symmetrical Vegetable prints using poster colours.

Page 3- line of Symmetry in English Alphabets

Page 4 - lines of symmetry of line segment, a ray ,a line and an angle.

## 2. INSPIRATIONAL LUMINARIES OF INDIA IN MATHEMATICS

In India, mathematics has its origins in Vedic literature which is nearly four thousand years old. It should come as no surprise that the concept of number '0' was discovered in India; also, various treatises on mathematics were authored by Indian mathematicians. The techniques of trigonometry, algebra, algorithm, square root, cube root, negative numbers, and the most significant decimal system are concepts which were discovered by Indian mathematicians from ancient India and are employed worldwide even today.

Indian geniuses have made revolutionary changes in the world of mathematics; let's find who they are and what exactly they contributed to the world!

Below is the list of mathematician assigned to each class :

| Class And section | Mathematician       |
|-------------------|---------------------|
| 7 B               | Aryabhatta          |
| 7 C               | Brahmagupta         |
| 7 D               | Bhaskara            |
| 7 E               | Harishchandra       |
| 7 F               | Srinivasa Ramanujan |

Based on the mathematician assigned to your class, do the following work as per your roll number:

Roll number 1-10 Write about the life sketch of the assigned mathematician on a yellow pastel sheet.

Roll Number 11-20 Write about the achievements of the mathematician on a yellow pastel sheet.

Roll Number 21-30 Make a beautiful Wall hanging representing the work done by the mathematician.

Roll number 31 onwards : Make a mathematical board game or a working model on any concept of mathematics given in your mathematics book .

1. Revise Chapter 1,2 and 3 done in the class

## **Sanskrit**

- 1-अपठित गद्यांश लेखन व्याकरण पुस्तक से 7 अभ्यास
- 2-पत्र लेखन (व्याकरण पुस्तक से) 5 पत्र
- 3- चित्र वर्णन (व्याकरण पुस्तक से) 5 चित्र वर्णन
- 4-शब्दरूप लेखन – राम ,लता फल मुनि ,अस्मद, युष्मद ,किम तत (तीनों लिंगों में)
- 5- धातु रूप लेखन- लिख,पा(पिब)वद,पठ, नम, गम,(चार लकार ,लट लङ्,लृट,लोट लकार)
- 7-संख्या 1 से 30 तक संस्कृत में लिखना
- 8-सुरभि पाठ्य पुस्तक से कॉपी की 10 पंक्तियों में सुलेख लेखन  
(यह कार्य एक अलग से कॉपी पर किया जाएगा )
- प्रदर्शनी कार्य अनुक्रमांक 1 से 15 तक चार्ट संस्कृत सर्वेषाम् भाषाणां जननी  
चार्ट संस्कृत का अन्य भाषा के शब्दों के साथ समानता Franch, jerman , tamil, south indian words  
16 से30 आर्यभट्ट कणाद, वराह मिहिर,चाणक्य ,रामानुजं,नार्गाजन ,का चित्र,  
31 ,से 50 संस्कृत के बारे में आप क्या जानते हैं कोई भी नवीनतम जानकारी के विषय मेंa4 size sheet पर  
लिखो

## **Science**

- A. Complete the **assignment** from the given chapter:
  - a. Nutrition in organisms Plants
  - b. Nutrition in organisms– Animal and Man

[https://drive.google.com/file/d/1Ww\\_LtYMwmhpBOuukYuJV2YopzZ5nBiWX/view?usp=drivesdk](https://drive.google.com/file/d/1Ww_LtYMwmhpBOuukYuJV2YopzZ5nBiWX/view?usp=drivesdk)
- B. Make a pocket diary having chemical symbols and elements with their respective name.
- C. Prepare well for the unit test to be held in July-August, 2022.
- D. **Project**

### **Topic "Forest"**

#### **Subtopic "Different layers of vegetation"**

- a. The project should comprise the following:
  - i. Name of the topic.
  - ii. Index
  - iii. Certificate
  - iv. Acknowledgement
  - v. Introduction of topic
  - vi. Content (research work): detail of the topic chosen (2-5pages).  
Preferably with analytical interpretation, graphical representation of results, pie charts, survey, etc.
  - vii. Bibliography

- b. Visit a nearby park and note the height of 20 different plants including a rough idea of the height of tall trees.
- c. Identify them and make a list of these trees.
- d. Categorise them into different headings according to their height.
  - i. Forest floor
  - ii. Understory
  - iii. Canopy
  - iv. Emergent trees
- e. Make a tally mark chart of your observation.
- f. Plot a graph of the number of trees versus the layer of trees on a graph sheet.
- g. Identify the medicinal plants and trees out of these selected flora and write about their medicinal value.
- h. Also find the medicinal plants and herbs found in Sikkim. (Add one page of description and photos related to it).
- i. The project should be prepared of easily available eco friendly material.

#### **E. MODEL MAKING:**

### **CONTRIBUTION OF INDIAN SAGES IN SCIENCE AND TECHNOLOGY**

One of the oldest civilizations in the world, the Indian civilization has a strong tradition of science and technology. Ancient India was a land of sages and seers as well as a land of scholars and scientists. Research has shown that from making the best steel in the world to teaching the world to count, India was actively contributing to the field of science and technology centuries long before modern laboratories were set up. Many theories and techniques discovered by the ancient Indians have created and strengthened the fundamentals of modern science and technology. While some of these groundbreaking contributions have been acknowledged, some are still unknown to most.

**Below is the list of the Branches of science, where Indian sages have given their outstanding contribution.**

| <b><u>CLASS AND SECTION</u></b> | <b><u>BRANCH OF SCIENCE</u></b> |
|---------------------------------|---------------------------------|
| <b>7B</b>                       | <b>Chemical sciences</b>        |
| <b>7C</b>                       | <b>Astronomy</b>                |
| <b>7D</b>                       | <b>Gravity</b>                  |
| <b>7E</b>                       | <b>Weapons</b>                  |
| <b>7F</b>                       | <b>Flying machines</b>          |

**Each class is assigned with a specific branch of science. Based on these branches of science, do the following work as per the roll number:**

| <b><u>Roll Number</u></b> | <b><u>Research Work In the field</u></b>   |
|---------------------------|--|
| <b>1-10</b>               | Write about the hierarchies of Indian Sages contributing in that field on a pastel sheet (yellow)  |
| <b>11-20</b>              | Life sketches and their achievements in that field on Pastel sheet (yellow)  |
| <b>21-30</b>              | Latest Technologies and improvisation done in that field on pastel sheet (yellow)  |
| <b>31 onwards</b>         | Make working or Non- working 3-D models on any concept of these Indian sages in that field, tools and techniques used by them using eco-friendly materials |

**\*Note\*:**

- **Holiday homework will be expressed for internal assessment or subject enrichment activity.**
- **More weightage will be given to innovative work/ research based work/ original work/ use of eco friendly materials making or wherever required**

## **ECO Club**

- 1)Conduct a survey of community and society on the issues like water conservation ,nature ,pollution etc and ask them few necessary steps to take regarding the issue
- 2) Visit a zoo/ national park and note down which animals /species you saw
- 3)Grow a sapling and water it daily
- 4)Put a bowl of cold water outside for birds and stray animals daily

## **COMPUTER**

Make a presentation on Digital Literacy in Open Office Impress.

Link for the presentation to be uploaded : <https://forms.gle/ouzCHsENZD4vXcdR7>