



**Bal Bharati**  
**PUBLIC SCHOOL**

Sector-21, Noida, G.B. Nagar

## WINTER HOLIDAY HOMEWORK 2022-23

### CLASS VII

*“Creativity is inventing, experimenting, growing, taking risks, breaking rules, making mistakes, and having fun.”*

- Mary Lou Cook

### ENGLISH

Dear Students

- It's time to showcase your literary skills. Being a budding author, you can exhibit your talent and also hone your creativity skills by **writing and publishing your own book on the AI-assisted Bribooks platform**. Once published, promote your book among your friends, relatives, and social circle. The popularity of your book in terms of readership will help you to win awards in different categories.

**National Young  
Authors Fair**



Presented by

**BriBooks**

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- Read the chapter 'Indian Classical Dance Forms' in detail. Based on your reading, answer the following questions in your English Literature notebook.

- How many major classical dance forms are practiced in India?
- What, according to you, is the most important aspect of a dance performance? Is it the costume, the make-up, the rhythm between gestures and facial expressions or something else? Comment.
- Dance forms like jazz, hip hop and popping are becoming very popular these days. Should schools include Indian dances in their curriculum so that they

may not gradually fade away? What is your viewpoint?

- If you were to learn one of the dance forms mentioned in the chapter, which one would you choose and why?

## HINDI

- भारतीय संस्कृति को दर्शाती महाभारत का वीडियो देखकर वार्षिक परीक्षा हेतु तैयारी कीजिए ।  
<https://www.youtube.com/watch?v=eCeSDxINeNE>
- पुस्तक समीक्षा हेतु कहानियों का पठन-पाठन कीजिए ।
- पाठ्यपुस्तक में दिए गए मीराबाई के पद-भोर और बरखा के गायन का अभ्यास करके उसे कहानी रूप में चित्र सहित लिखें ।

### शिक्षण अधिगम -

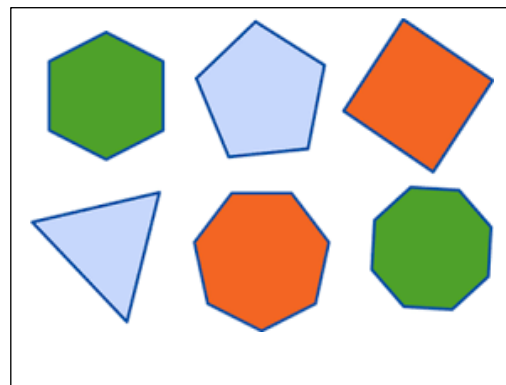
- छात्रों में खोज करके सीखने की प्रवृत्ति व चिंतन कौशल का विकास होगा ।
- पठन - पाठन द्वारा विद्यार्थियों में स्वाध्ययन की भावना एवं हिंदी साहित्य के प्रति रुचि विकसित होगी ।

## MATHEMATICS

Symmetry is an important geometrical concept, commonly exhibited in nature and is used almost in every field of activity. Artists, professionals, designers of clothing or jewellery, car manufacturers, architects and many others make use of the idea of symmetry. You have already done line symmetry.

**Project 1-** Draw 4 regular Polygons and draw their lines of symmetry. Conclude the relation between number of sides and number of lines of symmetry. To be done on half of a chart paper.

There is one more type of symmetry we can find in objects. It is called Rotational Symmetry. To learn more about it see this YouTube video. link: <https://www.youtube.com/watch?v=s4tS-ZmpJfw>

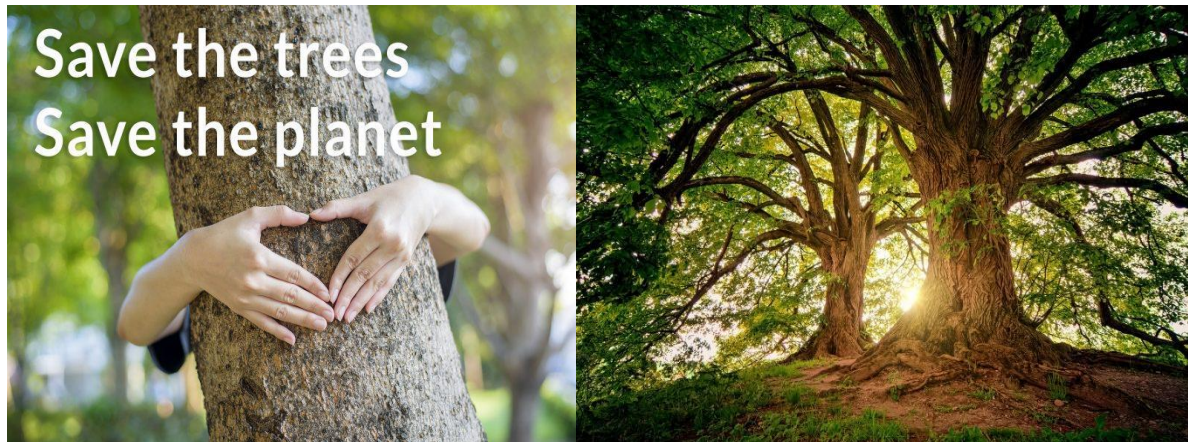


Have you seen snow fall on a cold winter day? We can build snowmen, make snow angels, and start a snowball fight! Snowy days can be a lot of fun. Have you ever heard that no two snowflakes are exactly alike? Well, that isn't exactly true. However, the chance of finding twin snowflakes is very, very, very low. Scientists say the chances of two snowflakes being exactly alike are about 1 in 1 million trillion. That's a one followed by 18 zeros, so it's very unlikely! Meteorologists think there are 1 trillion, trillion, trillion (a one with 36 zeros!) types of snowflakes. Observe designs of different snowflakes. You will find that they have a rotational symmetry of order 6.

**Project 2-** Make 4 different snowflake designs (use white colour paper) and paste them on half of a chart paper (colour of your choice). To find ideas on making snowflakes, go through the link: <https://www.youtube.com/watch?v=rtkdNH6YjOo>



## SCIENCE



To write a script for a small play on 'Save trees, Save Life' and enact it in class. (Theatre Skill)

**Learning Outcome-** This will enhance writing skills as well as theatre skills.

**OR**

Write a poem in a lyrical song form on Save Trees, Save Life.

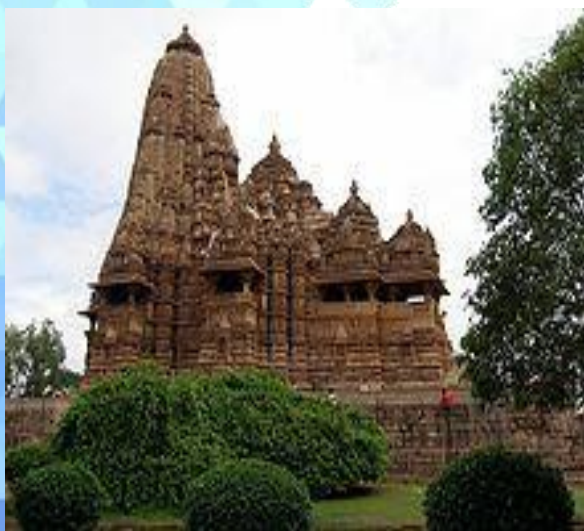
**Learning Outcome-** This will enhance singing as well as writing skills

**Note-** Activity needs to be done on your scrapbook. Paste two to three pictures of the topic concerned.

## SOCIAL SCIENCE

### OUR MONUMENTS AND LANDMARKS

#### SHARED CULTURE, SHARED HERITAGE AND SHARED RESPONSIBILITY



Kandariya Mahadeva Temple



Rajarajeshvara Temple

Temples were beautifully constructed by Indian rulers in the 11<sup>th</sup> Century to demonstrate power, wealth and devotion.

### Kandariya Mahadeva Temple

All students with **even Roll No.** to prepare a PPT (not more than 5 slides) including one slide on the drawing of the temple (hand drawn). Prepare a presentation on the same for 2 minutes.

### Rajarajeshvara Temple

All students with **odd Roll No.** to prepare a PPT (not more than 5 slides) including one slide on the drawing of the temple (hand drawn). Prepare a presentation on the same for 2 minutes.

## SANSKRIT

- 1-विविध विषयों के साथ एकीकृत कला समन्वित गतिविधि-  
सुलेख(CALLIGRAPHY) के माध्यम से एक नीतिश्लोक लिखकर पाण्डुलिपि (MANUSCRIPT) तैयार करें। (शीतावकाश के पश्चात सभागार में प्रस्तुति हेतु कार्य आकर्षक व त्रुटि रहित हो।)
  - 2- 'मुल्ला नसरुद्दीन:- चित्र कथा(COMIC STRIP),पृष्ठ संख्या-87' पर आधारित एक PPT/ FLIP BOOK बनाएँ तथा गूगल क्लासरूम पर अपलोड करें ।
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- 3- सभी छात्र संस्कृत का ई-पोर्टफोलियो पूर्ण करें जिसके अंतर्गत संस्कृत विषय की सभी कार्यपत्रिकाएँ, ई-प्रमाणपत्र (अंतर्विद्यालयीय, अंतर्सदनीय प्रमाण पत्र, अतिरिक्त प्रमाण पत्र, विशेष दिवस) तथा संस्कृत भाषा के प्रति अपने योगदान को दर्शाएँ ।
  - 4- निम्नलिखित शब्दरूप व धातुरूप याद करें ।

शब्दरूप- मुनि, साधु, नदी, इदम् (तीनों लिंगों में)

धातुरूप- पा, दा, कृ, अस् (पाँचों लकारों में)

### अधिगम परिणाम:-

- शब्द निर्माण प्रक्रिया का ज्ञान व शब्द भंडार में वृद्धि।
- संस्कृत लेखन कौशल का विकास।
- भाषा संबंधी व्याकरणिक ज्ञान।
- चिंतन कौशल का विकास।

## FRENCH

*La Cuisine Française*

Prepare a PPT or video on French cuisines in French language.



## INFORMATION TECHNOLOGY, CODING & ARTIFICIAL INTELLIGENCE

### INFORMATION TECHNOLOGY

Design a webpage using HTML showing any 10 places to visit in Noida. Use appropriate formatting tags. List any three religious places using List Tag (it may be ordered or unordered). Prepare a table to write about the characteristic features of each place. Link an image to the name of the place.



**Learning Outcomes**-The students will develop research skill, writing skill, Presentation skill, technical skills, and Programming Skills

Drive link for submission of Winter Holiday HW

<https://forms.gle/sGCTHCFroeTVJctr9>

### ARTIFICIAL INTELLIGENCE



The potential upcoming technology is the EXTENDED REALITY and METAVERSE which is another subset of Artificial Intelligence. Students will explore about this technology and will discuss about this with their family and friends.

Click on following links to know more about the technology.

**What is metaverse?**

- <https://about.meta.com/what-is-the-metaverse/>
- <https://youtu.be/5TJ5ENxCUQs>

**About extended reality.**

- Classified into three categories AR, VR and Mixed Reality.
- <https://youtu.be/mhmYawxWfjE>

**Activity:** Students will make a presentation which shows the classification of Extended Reality and the difference between AR, VR and MR. Share the presentation in the form link shared in the Google Classroom.

## **CODING**

Steps to write program using INPUT statement:

1. Give three integer values using input() statement to variables a ,b and c.
2. Add the numbers and store the result of addition in a variable i.e.,  $Sum = a+b+c$
3. Print the variable Sum.

S NO.	SUBJECTS	DATE OF SUBMISSION
1.	Social Science & English	11 Jan 2023
2.	Maths, Hindi & IT/AI/Coding	12 Jan 2023
3.	Science & Sanskrit/French	13 Jan 2023