PM SHRI KENDRIYA VIDYALAYA, TIKAMGARH
HOLIDAY HOMEWORK (AUTUMN BREAK)

CLASS -VI 2026-27

1.Prepare a beautiful family tree.
Write the names of your family members and mention one quality you admire in each.
2.SST Quiz 20 MCQ chapter 3,6,8,11 read and leant it.
3. Chapter 3 landform and life, prepare a list of animal which found in different landform
4. Make a poster or a drawing on one of the topic:

A) Save water
B) Stop pollution
C) Recycling waste
D) Save Tree

5. Read the chapter 8 and learn the different type of festival celebrated in India and Mark into a map done

AUTUMN BREAK HOLIDAY HOMEWORK

Mathematics | Class 6

Kendriya Vidyalaya - Session 2026-27

Autumn Break: 15 October 2026 to 24 October 2026 (10 days)

Revision of chapters completed before the break (as per the Split-Up Syllabus)

Chapters Covered (for revision)

- Ch 1 - Patterns in Mathematics
- Ch 2 - Lines and Angles
- Ch 3 - Number Play
- Ch 4 - Data Handling and Presentation
- Ch 5 - Prime Time

Instructions for Students

1. Attempt one worksheet each day. Do all the work neatly in your Maths notebook.
2. Write the question number and then the complete solution, showing each step.
3. Draw diagrams and graphs with a pencil and ruler wherever needed.
4. Revise the chapter from the textbook before starting that day's worksheet.
5. This is revision work only, based on what has already been taught in class.

Day 1: Patterns in Mathematics (Part 1)

1. Write the next three terms: 2, 5, 8, 11, ____, ____, ____.
2. Find the sum of the first 10 odd numbers. (Hint: sum of first n odd numbers = n x n)
3. Complete the sequence of square numbers: 1, 4, 9, 16, ____, ____, ____.
4. Triangular numbers are 1, 3, 6, 10, ... Write the next two triangular numbers.
5. A pattern is made with matchsticks. 1 square needs 4 sticks, 2 squares need 7 sticks, 3 squares need 10 sticks. How many sticks are needed for 5 squares?
6. Write the rule of the pattern 5, 10, 15, 20, ... and find its 12th term.
7. The fourth row of Pascal's triangle is 1, 3, 3, 1. Write the fifth row.
8. Find 1 + 3 + 5 + 7 + 9 + 11 + 13 + 15 + 17 + 19 using a pattern.

Day 2: Patterns in Mathematics (Part 2)

1. Find the sum of the first 15 odd numbers.
2. Complete: 2, 4, 8, 16, ____, ____, ____.
3. The pattern 1, 8, 27, 64, ... shows cubes. Write the next two terms.
4. How many dots are there in a 6 x 6 square grid? Draw a smaller 3 x 3 grid and count to check.
5. Write all square numbers between 1 and 100.
6. A pattern starts at 100 and decreases by 10 each time. Write its first six terms.
7. A number pattern increases by 6 each time starting from 4. Write its first six terms.
8. Show that the 5th triangular number (15) is the sum of 1 + 2 + 3 + 4 + 5.

Day 3: Lines and Angles (Part 1)

1. Name the type of angle: (a) 90 degrees (b) 45 degrees (c) 120 degrees (d) 180 degrees.

2. Two angles are complementary. One is 35 degrees. Find the other.
3. Two angles are supplementary. One is 110 degrees. Find the other.
4. Draw and name: a right angle, an acute angle, an obtuse angle and a straight angle.
5. The hands of a clock show 3 o'clock. What angle do they make?
6. How many degrees are there in (a) half a turn, (b) a quarter turn, (c) three-quarters of a turn?
7. Two lines intersect and form an angle of 65 degrees. What is the measure of the vertically opposite angle?
8. An angle is 4 times its complement. Find the angle.

Day 4: Lines and Angles (Part 2)

1. Classify each as acute, obtuse, right or straight: 179 degrees, 1 degree, 89 degrees, 91 degrees.
2. Find the complement of 62 degrees and the supplement of 62 degrees.
3. Two supplementary angles are in the ratio 2 : 3. Find both angles.
4. Three angles on a straight line are x, 2x and 3x. Find x and each angle.
5. An angle is 20 degrees more than its complement. Find the angle.
6. Write two examples from your home of (a) parallel lines, (b) intersecting lines.
7. What is the angle between the hands of a clock at 6 o'clock?
8. Two adjacent angles on a straight line are 45 degrees and 3x. Find x.

Day 5: Number Play (Part 1)

1. Is 97 a prime number? Give a reason.
2. Write all prime numbers between 1 and 30.
3. Find the smallest and the greatest 2-digit prime numbers.
4. State the divisibility rule for 3 and test whether 4,521 is divisible by 3.
5. Is 91 a prime or a composite number? Show by factorising it.
6. Check whether 1,234 is divisible by 4 and by 8.
7. Find the HCF of 24 and 36.
8. Find the LCM of 6 and 8.

Day 6: Number Play (Part 2)

1. Write the smallest 3-digit prime number.
2. Test 1,236 for divisibility by 3, by 4 and by 6.
3. Express 84 as a product of prime numbers.
4. Find the HCF of 18, 24 and 30.
5. Find the LCM of 12, 15 and 20.
6. A number is divisible by 9 if the sum of its digits is divisible by 9. Check 7,812.
7. Are 8 and 9 co-prime? Explain your answer.
8. Find two prime numbers whose sum is 30.

Day 7: Data Handling and Presentation (Part 1)

1. The marks of 10 students are: 45, 60, 55, 70, 45, 80, 60, 45, 90, 45. Make a frequency table using tally marks.
2. From the data above, which mark appears most often (the mode)?

3. Draw a bar graph on graph paper for the frequency table you made.
4. In a pictograph, 1 symbol = 5 students. If 4 symbols are shown for cricket, how many students like cricket?
5. The number of books read in a week by 5 children: 3, 5, 2, 4, 6. Represent this as a bar graph.
6. What is the difference between a pictograph and a bar graph?
7. In a pictograph, 1 symbol = 10 students. What does half a symbol represent?
8. Collect data of the number of family members of 10 friends and make a frequency table.

Day 8: Data Handling and Presentation (Part 2)

1. Daily temperature of a city for a week: 30, 32, 31, 33, 32, 34, 32. Make a frequency table and find the most common temperature.
2. Draw a bar graph for the data: Apples 10, Mangoes 15, Bananas 20, Oranges 5.
3. In a pictograph, 1 symbol = 4 cars. How many symbols are needed for 24 cars?
4. Find the mode of: 2, 3, 3, 4, 5, 3, 6.
5. In a bar graph, the bar for Monday is 5 units and for Tuesday is 8 units. Which day is more and by how much?
6. The heights (in cm) of 8 children are: 120, 125, 118, 122, 120, 130, 125, 120. Find the most frequent height.
7. Make a tally-mark table for the colours of 12 cars seen on a road: Red, Blue, Red, White, Blue, Red, Black, White, Red, Blue, Black, Red.
8. Write two uses of data handling in daily life.

Day 9: Prime Time (Part 1)

1. Find the prime factorisation of 72.
2. Find the HCF of 42 and 70 using prime factorisation.
3. Find the LCM of 15 and 25 using prime factorisation.
4. State the divisibility rule for 11 and test whether 2,728 is divisible by 11.
5. Is 1 a prime number? Why or why not?
6. Find the smallest number that is divisible by both 12 and 18.
7. Two bells ring every 8 minutes and every 12 minutes. If they ring together at 9 a.m., when will they next ring together?
8. Express 100 as the sum of two prime numbers.

Day 10: Prime Time (Part 2) and Mixed Revision

1. Find the prime factorisation of 90.
2. Find the HCF and the LCM of 36 and 48.
3. Test 5,214 for divisibility by 6.
4. Find the greatest 2-digit number divisible by 8.
5. The product of two numbers is 180 and their HCF is 3. Find their LCM.
6. Write three pairs of twin primes.
7. Reduce 24/36 to its lowest terms using the HCF.
8. In a class of 30 students, 18 play cricket. Write this as a fraction in lowest terms.

PM SHRI KENDRIYA VIDYALAYA TIKAMGARH

AUTUMN BREAK HOLIDAY HOMEWORK

SCIENCE | SESSION 2026–27

CLASS VI – SCIENCE

Important Instruction: Complete all Autumn Break Holiday Homework in your **regular Science notebook/copy**.

General Instructions

1. Complete all written work neatly and independently.
2. Draw diagrams wherever required and label them clearly.
3. Complete the chart-paper drawing topic given below. Use a suitable title, labels and colours.
4. Submit the completed homework after the autumn break.

A. Written Work – Answer all 10 questions

1. What is science? Explain how observation helps us learn about the world around us.

2. Write five characteristics that can be used to describe and compare living things.

3. What is biodiversity? Why is it important to protect different kinds of plants and animals?

4. What is a balanced diet? Name the major nutrients and give one food source of each.

5. Why should we chew food properly and eat a variety of healthy foods?

6. What is the difference between a standard unit and a non-standard unit of measurement?

7. How can you measure the length of a curved line using a thread and a ruler?

8. Differentiate between transparent, translucent and opaque materials with two examples of each.

9. What is temperature? Name the instrument used to measure it.

10. Why do we need to handle and dispose of waste responsibly? Give three examples of good practices.

B. Creative Work – Science Chart on Chart Paper

Draw a colourful chart on **“The Wonderful World of Science”** showing science in everyday life. Include at least five examples, such as plants, food, transport, weather and simple machines.

Presentation: *Write your name and class on the back of the chart. Keep your work clean, clear and scientifically correct.*

PM SHRI KENDRIYA VIDYALAYA TIKAMGARH, M.P.

AUTUMN BREAK HOMEWORK

Class: VI **Subject:** Artificial Intelligence **Session:** 2026–27

Name: _____ **Roll No.:** _____

A. Answer the Following Questions

1. What is Artificial Intelligence (AI)?
2. What is automation? Give two examples.
3. Name the three domains of AI.
4. What is Computer Vision?
5. What is Natural Language Processing (NLP)?

B. Fill in the Blanks

1. AI stands for _____.
2. Automation reduces _____ human effort.
3. _____ helps computers understand images.
4. NLP deals with _____ language.
5. Data Science helps analyse _____.

C. Write True or False

1. All automated machines use AI. _____
2. Computer Vision works with images. _____
3. NLP helps computers understand human language. _____
4. Data Science is an AI domain. _____

D. Match the Following

Column A	Column B
1. Data Science	a. Human language
2. Computer Vision	b. Data analysis
3. NLP	c. Images and videos
4. Automation	d. Automatic tasks

E. Activities

1. Write two examples each of AI and automation.
2. Draw or paste pictures showing the three domains of AI.

Happy Autumn Break!

Autumn Vacation Homework

Class 6th – English

1. Describe a Picture

Paste or draw a picture of a garden, zoo, or park. Write 5 words related to the picture and 3 sentences about it.

2. My Dream School

Draw a picture of your dream school and write 3 sentences about it.

3. Creative Bookmarks

Make two beautiful bookmarks. Write an English quotation or a positive message on each bookmark.

4. Mini Dictionary

Make a small handmade dictionary with 10 new English words, their meanings, and small drawings.

5. Paper Bag Puppet

Make a puppet using an old paper bag. Give it a name and introduce it in 4 simple English sentences.

शरदकालीन अवकाश गृह कार्य

कक्षा- 6 विषय- हिन्दी

प्र०1 प्रतिदिन हिन्दी किताब कविता, कहानी , समाचार पत्र, पत्रिकाएँ आदि पढ़ने का अभ्यास करो।

प्र०2 पाठ- 9 एवं 10 के कम से कम पाँच पेज़ सुलेख लिखिए।

प्रश्न -3 ऐसी दस चीजों के नाम लिखो जो पुराने समय में यानी दादाजी/ दादीजी के समय घर में उपयोग में ली जाती थी एवं आज उनकी जगह दूसरी चीजों का उपयोग करने लगे। पुरानी एवं नई दोनों चीजों के नाम लिखिए।

प्रश्न -4 आप अपने अनुभव के आधार पर कुछ परीक्षाओ के उदा० देकर बताईत कि किमने, कब, कैसे और क्यों वह परीक्षा ली या दी।

प्रश्न -5 सरदार सुजान सिहं ने राज के दीवान की खोज करने के लिए प्रसिद्ध पत्रों में विज्ञापन निकलवाया जिसने सारे मुल्क में तहलका मचा दिया था। आप भी अपने विद्यालय में होने वाले खेल दिवस के प्रचार-प्रसार हेतु एक आकर्षक विज्ञापन तैयार कीजिए।

पीएम श्री केंद्रीय विद्यालय टीकमगढ़

शरदकालीन अवकाश गृहकार्यम्

कक्षा - 6 विषय – संस्कृतम्

1- संस्कृत-वृक्षः (Sanskrit Tree)

एक सुंदर पेड़ बनाइए। उसकी शाखाओं पर संस्कृत में निम्नलिखित शब्द लिखिए।

* पाँच फलानाम् नामानि।

* पाँच पुष्पाणाम् नामानि।

* पाँच पशूनाम् नामानि।

* पाँच पक्षिणाम् नामानि।

2 - चित्रैः सह संख्याः (चित्रों से गिनती)

1 से 10 तक संस्कृत में संख्याएँ लिखिए तथा प्रत्येक संख्या के अनुसार चित्र बनाइए।

उदाहरणम् —

१ — एकम् आम्रफलम्

२ — द्वे पुष्पे

३ — त्रीणि फलानि

४ — चत्वारि पुस्तकानि

५ — पञ्च वृक्षाः

3 - मम दिनचर्या (मेरी दिनचर्या)

सुबह से रात तक अपनी दिनचर्या के पाँच वाक्य संस्कृत में लिखिए तथा एक सुंदर चित्र बनाइए।

उदाहरणम् —

1. अहं प्रातः उत्तिष्ठामि।
2. अहं दन्तधावनं करोमि।
3. अहं स्नानं करोमि।
4. अहं विद्यालयं गच्छामि।
5. अहं रात्रौ स्वपिमि।

4 - संस्कृत-शब्दचित्रम्

अपने कमरे या घर का चित्र बनाइए और उसमें दिखाई देने वाली दस वस्तुओं के नाम संस्कृत में लिखिए।

उदाहरणम् —

गृहम्, द्वारम्, वातायनम्, उत्पीठिका, आसन्दः, दीपः, पुस्तकम्, लेखनी, घटः, घटी।

5 - मम प्रियः श्लोकः

अपना कोई एक प्रिय संस्कृत श्लोक सुंदर अक्षरों में लिखिए। उसके साथ चित्र बनाइए तथा हिंदी में उसका अर्थ लिखिए।