ARMY PUBLIC SCHOOL, FATEHGARH

CLASS IX

HINDI	**परियोजना कार्य को पूर्ण करें और बताया गया समस्त कार्य को याद करें.**
ENGLISH	**Storytelling Challenge** : Write a 300-word story using these words: mystery, forgotten, laughter, night, and discovery. Illustrate your story with drawings or collage. (In grammar notebook) Creative Writing: Imagine you're a superhero. Write about your powers and how you'd use them to help others (200 words). Draw your superhero costume!(In grammar notebook) **MOMENTS :** Read short stories LAST LEAF, A HOUSE IS NOT A HOME Write reviews (100-150 words) highlighting theme and characters. (In moments notebook)
SCIENCE	1. Explain the three laws of motion with examples. 2. Describe the structure of a plant cell with the help of a neat labelled diagram. 3. Explain physical and chemical changes. Give three differences between them with examples. 4. What is photosynthesis? Explain the process in detail and write the chemical equation. 5. Define motion. Explain different types of motion with suitable examples.
MATHS	1) Do one activity in Maths practical file. 2) Make a chart on any topic from your book. **Do the following questions in your fair register:** (3) Prove that the angle bisectors of a parallelogram form a rectangle. (4) Calculate all the angles of a parallelogram if one of its angles is twice its adjacent angle. (5) The angles of the quadrilateral are in the ratio 3: 5 : 9: 13. Find all the angles of the quadrilateral. (6) Show that if the diagonals of a quadrilateral bisect each other at right angles, then it is a rhombus. (7) Two chords AB and AC of a circle with its centre O are on the opposite sides of OA. Then ∠OAB = ∠OAC. (8) If arcs AXB and CYD of any circle are congruent, find the ratio of AB and CD. (9) The perimeter of any equilateral triangle is 60 m. Find the area. (10) The area of the equilateral triangle with sides $2\sqrt{3}$ cm is? (11) The sides of a given triangle are 35cm,54cm and 61cm, respectively. The length of the longest altitude is? (12) The sides of a given triangle are 56cm, 60cm and 52cm long. The area of the triangle is? (13) The perimeter of a given triangle is 30cm. The sides are in the ratio 1: 3: 2, then its smallest side is? (14) Find the total cost of levelling the ground in the form of a triangle with sides of 16m, 12m and 20m at Rs. 4 per sq. meter. (15) The area of a given isosceles triangle is 12cm2. If one of the equal sides is 5cm. Find its base.
SST	1. On an outline map of India locate and label the following .A-South West Monsoon winds , B-North East monsoon Winds , C- Rainfall distribution in India , D- Palk Strait. 2- Make a project file on the Topic- Natural Vegetation in India and its importance. **OR** Forest Societyand Colonialism(Students may select other topics from your text books for project) Read the following chapters and Learn important facts. A- Democratic Rights B- population. C-Food security in India D- Nazism and Rise of Hitler. Learn the work done in your social science notebooks. Note; Do this work on A-4 file paper using suitable diagrams, pictures or photos.
AI	1. Write the program code in python in your fair copy 2. Write a program that ask the user's name and greets them 3. Write a program to add two numbers and print its sum 4. Write a program to input marks of six subjects and calculate the total and average. 5. Write a program to find the smallest number between two given numbers from user. **6.** Write a program to check if the user is eligible to vote or not