

1.	Maths	<p>Prepare an assignment file for following:</p> <ol style="list-style-type: none"> Collect information from various sources and write the biography of Aryabhata. Prove the following algebraic formula geometrically (You can take help from Lab manual): <div style="display: flex; justify-content: space-between;"> <div> $(i) (a + b)^2 = a^2 + b^2 + 2ab$ $(iii) a^2 - b^2 = (a + b)(a - b)$ </div> <div> $(ii) (a - b)^2 = a^2 + b^2 - 2ab$ $(iv) \text{Area of circle} = \pi r^2$ </div> </div> Collect at least five puzzles and solve them in your assignment file.
2.	IT	<ol style="list-style-type: none"> Create a Presentation in Power point on Different storage devices like Hard disk, DVD ROM, BD, Pen drive, etc. with their advantages and disadvantages. Make a project file on the topic given by IT Teacher.
3.	S. Sci.	<ol style="list-style-type: none"> Draw a map of India and show distribution of soil. Show the different forms of Government on a chart. Explain briefly about 10 wild life sanctuaries of India with their photographs. Learn all the value-based questions from the 1st lesson of political science & history. Describe Bamboo drip Irrigation System with pictures and also Roof rainwater harvesting system. See "The Core" movie and observe the interior structure of the earth. Write a short essay on it.
4.	English	<ol style="list-style-type: none"> You are Pooja/Puneet head boy/head girl of Prasad Public School is going to arrange a good charity show to aid and poverty-stricken people of a nearby slum. Write a notice to be displayed on the school notice board seeking the co-operation of the students to make the show a success. You are Shesh/Madhav living in lucknow; your brother is in Jaipur. He is not-studying well. Write a letter in about 120-150 words telling him to work hard. You may take the help of the hints given below: <div style="margin-left: 20px;"> <ol style="list-style-type: none"> Studies are important. Study regularly; get up early in the morning. Less time to games, prepare notes. </div> Take 60 sentences based on Tenses and change them in to passive. Draw a tense chart in project file. The students are advised to watch the movie Airlift and write the moral of the movie.
5.	Hindi	<ol style="list-style-type: none"> वर्तमान समय में सोशल मीडिया के कारण हमारी जीवन शैली में जो परिवर्तन हुए उनका हमारे जीवन पर प्रभाव और दुष्प्रभाव का तर्क सहित वर्णन करें। पर्यावरण संरक्षण के सभी विषयों को बिंदु बनाकर एक अनुच्छेद विस्तार से लिखें। हिंदी के पांच कवियों के नाम उनकी रचनाओं के साथ लिखें।
6.	Physics	<p style="text-align: center;">Worksheet</p> <ol style="list-style-type: none"> What happens when a ray of light falls normally on the surface of a plane mirror? A ray of light incident on plane mirror at angle of 30°. What is the angle of reflection? What is meant by law of reflection? State it with a labelled diagram. Name the mirror used in car reflectors, dentist mirror, shaving mirror. State laws of refraction with labelled diagram. An object is placed at a distance of 10 cm from a concave mirror of focal length 20 cm. Draw a diagram for the formation of image. Calculate the image distance. Also state out the characteristic of image formed. At what distance from a concave mirror of focal length 10 cm should an object of 2 cm long be place in order to get an image 6 cm tall? An object is place 15 cm from a diverging mirror of radius of curvature of 20 cm . Calculate image position and magnification. How do we express electric current? What is the SI unit of electric charge? How many electrons make one coulomb of Charge? Which instrument is used to measure the current flowing in a circuit? How is it connected in the circuit and why? Which materials are preferred for a fuse wire and why? Define the commercial unit of energy. Relate it to joules. Two resistors with resistance 5 ohm and 10 ohm respectively are to be connected to a battery of 6 volt so to obtain <div style="margin-left: 20px;"> <ol style="list-style-type: none"> <ol style="list-style-type: none"> Maximum current flowing Minimum current flowing How will you connect the resistance in both the cases. Calculate the total current in both cases. </div>

7.	Chemistry	<ol style="list-style-type: none"> 1. Compound such as alcohols also contain hydrogen but are not categorized as acids. Describes an activity to prove it and draw a neat and labeled diagram on a chart paper. 2. You are advised to visit any soap factory during summer holiday and write about the procedure of making soap.
8.	Biology	<ol style="list-style-type: none"> 1. To visit a doctor and consult. Which type of food we should take during summers to abstain from various diseases due to digestion? 2. Make a project file on Human excretory system and model of digestive system. 3. Prepare a report about various type of disorders related to digestive system and write what precaution and treatment should we take to avoid such disorders? 4. Solve 10 PYQ of chapter-1.

SCHOOL STOPS FOR SUMMER.....BUT LEARNING NEVER STOPS!!

WORK, LEARN, AND EARN THIS SUMMER.....

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