



ADRIEL HIGH SCHOOL

CLASS- XI (2023-24)

STREAM-SCIENCE

Happy Summer Vacation!

We at ADRIEL HIGH SCHOOL have planned certain assignments / project work for you to utilize this time in the most constructive way. We have prepared Holiday Homework for you all on the principle of 'learning by doing' for Your holistic development.

Instructions-

1. The written part should be neatly presented in your own handwriting.
2. Practice reading and writing daily.
3. Revise all work done in class.
4. Always try to speak in English with your family members.
5. Participate in household work like watering plants, organizing room and cleaning cupboard .
6. Exercise regularly.
7. Maintain a daily diary.
8. To watch movies & books (Movies- Guru, Big Bull, Bazar(Saif Ali Khan related)
Books Writer- Roald Dahl, Agatha Christie, Enid Blyton, Ruskin Bond.

Subject	Assignment/Project	Instructions
English	<ol style="list-style-type: none">1. Students, we have learnt about G20, its purpose, activities and how India's Presidency as proposed many activities for all to participate and contribute. How do you think India can benefit from its G20 Presidency? Write a speech in about 250 words.2. Explore the following concept and write a brief note in your own words. Note that all these concepts will be helpful in understanding the chapters/ poem. 1. Socialism 2. Romanticism 3. Feminism 4. Racism 4. Casteism 5. Satire 6. Patriarchy 7. Dramatic Irony	English project should be neatly submitted in coloured A4 size sheets. Rubrics <ul style="list-style-type: none">● Content - 3● Language -2● Expression -2● Presentation -2● Timely Submission -1
Physics	<p>Q1. Which of the two-velocity or acceleration, gives the direction of motion of the body. Justify your answer by an example. Q2. A train is moving with a velocity of 30 km/h due east and a car is moving with a velocity of 40 km/h due north. What is the velocity of car as appears to a passenger in the train ?</p> <p>Q3. What is the angle between the direction of velocity and acceleration at the highest point of a projectile path?</p> <p>Q4. A balloon is ascending at the rate of 14 ms⁻¹ at a height of 98 m above the ground, when a packet is dropped from it. After how much time and with what velocity does it reach the ground?</p> <p>Q5. The acceleration- time graph for a body is shown in the given figure. Plot the corresponding velocity-time graph.</p> <p>Q 6 Kajal is a student of class XI who was suffering from malaria. The locality where Kajal lives is full of mosquitoes. She was not having mosquito net. Her friend Bhumi has extra net which she gave it to Kajal. Also she took Kajal to a doctor, got her medicines and after a week Kajal became normal. (a) The mosquito net over a 7 m x 4 m bed is 3 m high. The net has a hole at one corner of bed and a mosquito enters the net flies and sit the diagonally opposite corner of the net. Taking the hole as origin find the displacement of the mosquito.</p> <p>Q.7 Four friends Ananya, Aarohi, Jiya & Serena were playing a game in a park of their society. All the four friends</p>	Complete the given assignment in separate assignment notebook.

	<p>have decided that they will stand at four corners of park such that distance between them are 100 m each. Further they decided they will move with uniform speed 2ms⁻¹ in such a way that Ananya always moves directly towards Aarohi, Aarohi always moves directly towards Jiya, Jiya always moves directly towards Serena and Serena always moves directly towards Ananya.</p> <p>(a)Initially which geometrical shape is formed due to standing position of four friends?</p> <p>(b)Whether they will meet at any point of park?</p> <p>(c) If yes find the time when they will meet?</p>	
Chemistry	<p>Make a Investigatory project on any one given topics . Refer to the below document :- https://docs.google.com/document/d/1XZVVIMKtyGzaP9XGF50DFVd9O7zWcxy0/edit?usp=sharing&oid=117240786983816657659&rtpof=true&sd=true</p>	Do your work in investigatory project file
Biology	<p>1. Write the observations and draw diagrams of the Spots mention in QB of Practical Syllabus as per CBSE guidelines.</p> <p>2. Make Investigatory Project.</p>	Do your work in Practical file and Investigatory Project.file
Mathematics	AHS ASSIGN. XI TRIGO.pdf	Download the holiday homework from given link
Physical education	Project on volleyball game	Project file
Painting	<p>Prepare sheets on following topics</p> <p>2 sheets on still life</p> <p>2 sheets on compositions</p> <p>1 sheet on landscape</p>	Complete in water colour all paintings on A-2 size sheets
Informative Practice	<ul style="list-style-type: none"> ● Q1. Explain the Smart cities & Big Data with colour images. ● Q2. Write a program to find the average of 3 Numbers. ● Q3. Write a program to repeat the string "Adriel High School" n times. Here n is an integer entered by the user. ● Q4. Write a program to find the square root. ● Q5. Write a program to swap two variable. 	<p>5- Presentation</p> <p>2- Content</p> <p>3- On-Time Submission</p> <p><u>Project on A4 Size sheets.</u></p> <p><u>Use Rim file</u></p>