



ADRIEL HIGH SCHOOL

A CBSE Affiliated English Medium Co-Education Senior Secondary School

Pocket-2, Sector 24, Rohini, Delhi-110085

SUMMER VACATION HOME ASSIGNMENT

CLASS-XI

STREAM : SCIENCE



Dear Parents and Students,

Summer Vacation is at our doorsteps. Holidays are a well-deserved opportunity to relax and rewind by indulging in activities that are pleasurable and at the same time educative. Holidays' Home work has been designed to fire your imagination, to make you explore, discover and reinvent many things.

As parents, kindly motivate and lend support to your children and ensure that they complete the given work well-in-time and to the best of their ability.



Subject	Assignment/Project	Instructions
English	<p>Make project on one of the topic given below:-</p> <ol style="list-style-type: none"> 1. National Education Policy 2021 -views of common people on new education policy 2. Health awareness 3. Impact of social media on youth 4. Digital literacy need of the present scenarios 5. Cyber crime and cyber law 6. Music as a therapy 7. Pros and cons of e-learning 8. Internship - a need for teens 	<ol style="list-style-type: none"> 1. English project should be neatly submitted in A4 size sheets. 2. It should have acknowledgement, certificates, index of content with page numbers, introduction of the topics, research analysis , interview questionnaire or survey, Bibliography along with author's name year of Publication titles, etc.
Physics	Do the given Assignment of Vectors, attached.	Do your work in Physics notebook.
Chemistry	<p>Make a Investigatory project on any one given topics .</p> <p>Refer to the below document :-</p> <p>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	<ol style="list-style-type: none"> 1. Write the observations and draw diagrams of the Spotsmention in QB of Practical Syllabus as per CBSE guidelines. 2. Make Investigatory Project. 	Do your work in Practical fileand Investigatory Project file.
Mathematics	Do the attached Assignment of Trigonometry.	Do your work in Maths notebook.
Physical Education	<ol style="list-style-type: none"> 1. Revise and Do exercise of Chapter 1& 2. 2. Make a project on Yoga (Chapter 3) . 3. Calculate and make a list of BMI of 10 members of your family and relatives. 	<p>* Do the exercise in Physical education notebook.</p> <p>* Do question 2 & 3 in Project file.</p>
Information Practices	<p>Do these programs :</p> <ol style="list-style-type: none"> 1. Write a program to input radius and calculate the area of circle. 2. Write a program to carry out average of five numbers. Input the numbers in integer and float formats. 3. Write a program to check whether a no. is odd or even 4. Write a program to obtain a number n from a user and find its factorial. 5. Write a program that obtains a number from the user and checks whether he has entered two digits, three digits or four digits number. 6. Write a menu driven python program for a simple calculator that has options to accept the operation to perform, like addition , subtraction, multiplication and division. Calculate the value according to the operation chosen by the user and display the result on the output screen. 7. Write a program that prints the Fibonacci series upto 10 terms.(0,1,1,2,3,5,8,13.....) 8. Write a program to input a number and check if the number is a prime number or composite number. 	Do your work in Practical file.

	<ol style="list-style-type: none"> 9. Write a program to create an empty list and obtain the elements from the user. 10. Write a program to create a list with ten integers [1,2,6,2,1,6,18,18,32] including duplicate values. Delete all duplicate elements from the list and display the rest of the elements. 11. Write a program to find the frequency of an item that is present in the list. 12. Write a python script to merge two python dictionary. 13. Write a python program to create a dictionary with key values and copy this dictionary into another dictionary. 14. Write a program to create a dictionary from a string. 15. Write a python program to iterate over dictionaries using for loops. 	
Psychology	<p>Make a Project on any one of the following topics :</p> <ol style="list-style-type: none"> 1. Memory 2. Learning 3. Thinking 4. Assessment 5. Development 	<p>Project related items: Ring file, Colour A-4 size sheets.</p> <p>The project would involve the use of different methods of Enquiry. Like Observation ,Survey ,interview, Questionnaire.</p>