



**ADRIEL HIGH SCHOOL
SESSION 2023-24
SUMMER HOLIDAYS HOME WORK**

CLASS-IX

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. Practice English, Hindi handwriting daily.
4. Revise all work done in class.
5. Always try to speak in English with your family members.
6. Participate in household work like watering plants, organizing rooms and cupboards .
7. Respect your elders.
8. Exercise regularly.
9. Maintain a daily diary.
10. Eat a healthy and balanced diet

Subject	Assignment/ Project/ Activities	Instructions	Marks
English	<ul style="list-style-type: none">● You are Vaibhav/Vaibhavi. You are asked to write an article for the school magazine on "Climate Change". Use your ideas and hints given below. (Word Limit 250 words) Burning fossil fuels- releases carbon dioxide- rise in earth temperature- causes sea level changes- adversely affects precipitation- Seasons- flora and fauna.● Given below is a list of literary devices. Explain each one with an example. Simile, metaphor personification, irony, hyperbole, alliteration, onomatopoeia, oxymoron.● Read The English newspaper "The Hindu" to equip yourself with the information and facts to be used in as content in writing skills.● Read the books of the following Authors:<ol style="list-style-type: none">a) Roald Dahlb) Conan Doyle(Sherlock Holmes)c) R K Lakshmand) Ruskin Bond	Your write up should be on coloured A4 size sheet. Title page should contain the following : <ul style="list-style-type: none">● Summer Holiday Assignment● Name, class and roll number	Content-3 Language-2 Expression-2 Presentation-2 Timely Submission-1

Hindi	<p>1. 00000000 00 00000 00000000 000000 00 000 00 000000000 40 00 50 000000 000 00000 000000</p> <p>2. 00000 00 0000 00 000 00 0000000 00000000 0000 40 00 50 000000 000 000000 000000</p> <p>3. 0000 00000 0000 000000000 0000 00000000 00000 00 000000 000000</p> <p>4. 000000 00000000 00 000000000000 00 00000000 000000000 000000, 00000000 000 00000000 00 0000 00000 0000 0000 0000 000 00000000 00000000 00 (00000000000) 000000000 000000 000000 000000</p> <p>5. 00000 00000 0000000000000 00 00 00 0000000000000 00000 000000</p>	<p>00000000 0000 000000 000000000 000 000000</p>	<p>00000 -2 0000000000 00 -2 000000000 00 -2 0000000-2 000 00 00000 000000 -2</p>
MATHS	<ol style="list-style-type: none"> 1) Draw and color cartoons on graph paper by plotting points. Click the below link to understand . https://youtu.be/T1TjwaC4Tvc 2) Learn the song on 'Types of Numbers' by using below link. https://youtu.be/69lfTURDles 3) Do given worksheet in Maths notebook. (a) Express the following linear equations in the form $ax + by + c = 0$ and indicate the values of a, b and c in each case: (i) $x - y/5 - 10 = 0$ (ii) $y - 2 = 0$ (b) Draw the graph of each of the following linear equations in two variables: (i) $y = 3x$ (ii) $3 = 2x + y$ (c) If the point (2, -3) lies on the graph of the equation $5y = ax + 8$, find the value of a. (d) Show that the points A (1, 2), B (-1, -16) and C (0, -7) lie on the graph of the linear equation $y = 9x - 7$. (e) Find m, if point (7,-3) lies on the equation $y = mx - 2/7$. (f) Draw the graph of the linear equation $3x + 4y = 6$. At what points, the graph cuts x and y-axis? <ol style="list-style-type: none"> 4) Learn tables 2 to 25. 5) Learn squares of 2 to 30 . 6) Revise Chapter 1,3,4 and Do written practice of sums in a separate practice notebook. 	<p>Do Q1 on graph paper and paste it in your Math notebook.</p> <p>Do Q3 in Maths notebook.</p> <p>Do Q6 in any practice notebook.(Rough notebook)</p>	<p>Content (3) Presentation. (2) Creativity (2) Observation (2) On time submission(1)</p>

MATHS	<p>7) Draw and color cartoons on graph paper by plotting points. Click the below link to understand . https://youtu.be/T1TjwaC4Tvc</p> <p>8) Learn the song on 'Types of Numbers' by using below link. https://youtu.be/69lfTURDles</p> <p>9) Do given worksheet in Maths notebook.</p> <p>(a) Express the following linear equations in the form $ax + by + c = 0$ and indicate the values of a, b and c in each case: (i) $x - y/5 - 10 = 0$ (ii) $y - 2 = 0$</p> <p>(b) Draw the graph of each of the following linear equations in two variables: (i) $y = 3x$ (ii) $3 = 2x + y$</p> <p>(c) If the point (2, -3) lies on the graph of the equation $5y = ax + 8$, find the value of a.</p> <p>(d) Show that the points A (1, 2), B (-1, -16) and C (0, -7) lie on the graph of the linear equation $y = 9x - 7$.</p> <p>(e) Find m, if point (7,-3)lies on the equation $y=mx-2/7$.</p> <p>(f) Draw the graph of the linear equation $3x + 4y = 6$. At what points, the graph cuts x and y-axis?</p> <p>10) Learn tables 2 to 25. 11) Learn squares of 2 to 30 . 12) Revise Chapter 1,3,4 and Do written practice of sums in a separate practice notebook.</p>	<p>Do Q1 on graph paper and paste it in your Math notebook.</p> <p>Do Q3 in Maths notebook.</p> <p>Do Q6 in any practice notebook.(Rough notebook)</p>	<p>Content (3) Presentation. (2) Creativity (2) Observation (2) On time submission (1)</p>

<p>Science</p>	<p>Q.1Activity</p> <p>a) To study diffusion in our day- to- day life. b) To study the effect of temperature on the rate of diffusion.</p> <ul style="list-style-type: none"> You have to explore, observe, discover and perform activities related to diffusion. Then categorize your observations into the following: -(Solid in liquid diffusion, Liquid in liquid diffusion, Gas in liquid diffusion, Solid in gas diffusion, Gas in gas diffusion.) <p>* Also study the effect of temperature on the rate of diffusion while performing the activities.</p> <p>Q2. Make an innovative model(stationary/working) or 3-D chart on the topic of your choice.(as per CBSE syllabus)</p> <p>Q3. Do the written work of practicals discussed in class.</p> <p>Q4. A train starting from a railway station and moving with uniform acceleration attains a speed 40 km/h in 10 minutes. Find its acceleration.</p> <p>Q5. An artificial satellite is moving in a circular orbit of radius 42250 km. Calculate its speed if it takes 24 hours to revolve around the earth.</p>	<p>Take help from the given link https://youtu.be/fN7b1aBunoM</p> <p>Students can also use their creativity.</p> <p>*After observing and performing the activities, write down your observations in a scrapbook and also paste pictures while performing the activities</p> <p>Label the model and chart and make it attractive.</p> <p>Do practicals in their respective practical files.</p>	<ul style="list-style-type: none"> Practical File -3 Presentation – 2 Creativity-2 Observation-2 On time submission-1
<p>S.Sc.</p>	<p>I) Prepare map work from these chapters</p> <p>1: India Size and Location: a) The island groups of India lying in the Arabian sea and the Bay of Bengal, b) The countries constituting Indian Subcontinent, c) The states through which the Tropic of Cancer passes, d) The strait separating Sri Lanka from India, e) The place situated on the three seas.</p> <p>2: Physical features of India: Mountain Ranges: The Karakoram, The Zaskar, The Patkai Bum, The Jaintia, The Vindhya Range, The Aravali, The Cardamon hills, The Indian desert, The western Ghats. Peaks: K2, KanchenJunga, Nanga Parbat, Anai Mudi, Maherdragiri.</p> <p>II)- Revise and learn the questions and topics from the chapters completed till now.</p>	<p>Your write up should be on coloured A4 size sheet.</p> <p>Title page should contain the following :</p> <ul style="list-style-type: none"> Summer Holiday Assignment Name, class and roll number 	<p>5 Marks</p>

III)- Prepare a file on Disaster Management taking any one of the following topic:

- 1- Flood, 2- Drought, 3- Earthquake,
- 4- Industrial Accidents

MOVIE TO WATCH-“GURU”

Use Ring file for Project

5 Marks

Computer Science

Q1. Divide the students of your class into two groups .Ask the first group to prepare a powerpoint presentation on the topic “ Characteristics of a computer”. The Second group should prepare a presentation on the topic “Area of Applications of a Computer”. The group member should discuss the topic using the PowerPoint Presentation.

1.Each slide should have no more than 5 lines; each line should have no more than 5 words. • Why? ...
2.Use font size 24+ for titles and 20+ for body, and no more than two fonts per slide. • ...
3.A picture is worth a thousand words. • Why? ...
4.Use body language to show people where to look. • ...
5.Keep your presentations under 15 minutes. • ...
6. Reference Link :
https://www.youtube.com/watch?v=fACEzzmXeIY&ab_channel=PresentationProcess

Project on A4 Size sheets , Use Ring file

- Practical File -3
- Presentation – 2
- Creativity-2
- Observation-2
- On time submission-1

**Happy Holidays
“STAY SAFE,
STAY HEALTHY”**