



BLOOM PUBLIC SCHOOL
Vasant Kunj , New Delhi
Holiday Homework
Class: XII B (Science)

Subject	Homework
English	<p>Revise the following lessons and poems for the July Assessment from:</p> <p>FLAMINGO-LESSONS</p> <ol style="list-style-type: none">1.The Last Lesson2.Lost Spring3.Deep Water4.The Rattrap <p>FLAMINGO-POEMS</p> <ol style="list-style-type: none">1.My Mother at Sixty- Six2.An Elementary School Classroom in a Slum3.Keeping Quiet <p>VISTAS-LESSONS</p> <ol style="list-style-type: none">1. The Third Level2.Tiger King3. Journey to the End of the Earth4.The Enemy7.Evan Tries an O Level <p>II.Procedure for Revision</p> <p>Read the lessons/poems</p> <p>Watch the videos for each chapter separately and listen to the podcasts and read through the mind map and learning material posted on Google Classroom.</p> <p>The theme of the lesson is important as it is your learning outcome. Your understanding of the lesson and poems should be about:</p> <p>What is the lesson/poem about(theme)?</p> <p>Where does the lesson/poem take place?</p> <p>Who are the characters and what are their roles/what are the problems they face/how do they overcome the problems?</p> <p>III. Utilize some quality time to google the following topics and read articles on them to create general awareness and for inputs for speaking and writing skills.</p> <p>TOPICS</p> <ul style="list-style-type: none">· Online classes· Covid 19 and its impact on Education in India· Importance of girl education,· Increasing drop out rate of schools· Environment safety measures· Cleanliness drives

	<ul style="list-style-type: none"> · water conservation, electricity conservation · Garbage mismanagement /Swachh Bharat · Pollution · Yoga day · Obesity · Effects of pollution on health · Importance of Education · Child labor · Illiteracy · Corruption · Abortion or killing girl child · Demonetisation · Malaria or other diseases awareness · GPRS system in school buses · mobile phones or technical devices for education · Cybercrime and safety measures against it · Safety of old age · Road safety · Reality shows · Growing crime amongst youth · Social Distancing · What is Artificial Intelligence and its role in Education · Skill Education in Schools · Plastic money-advantages and disadvantages · Online shopping -advantages and disadvantages <p>The Holiday Homework will also be posted on Google Classroom</p>
Biology	<p>1 Revise the following chapters for July Assessment CH 1 Reproduction in Organisms CH 2 Sexual Reproduction in Flowering Plants CH 3 Human Reproduction CH 4 Reproductive Health CH 5 Principles of Inheritance and Variation CH 6 Molecular Basis of Inheritance</p> <p>2. Practical Complete the written work of the Practical explained through Virtual lab. Content will be posted on Google class room.</p> <p>3. Work on Investigatory Project, based on CBSE curriculum</p>
Chemistry	<p>1. Revise the following chapters for July Assessment Unit 1 : Solid State Unit 2 : Solutions Unit 3 : Electrochemistry Unit 4 : Chemical Kinetics Unit 5: Surface Chemistry Unit 6: General Principles and processes of Isolation of Elements Unit 16: Chemistry in everyday life</p>

	<p>2.PRACTICAL WORK All students to write the written theoretical component of the practicals discussed through virtual labs as per the instructions given in class. The content to be written will be posted on google classroom.</p> <p>2. Work on Project decided, based on CBSE curriculum</p>
Economics	<p>1. Revise the following chapters for July Assessment Unit 1: National Income and Related Aggregates Unit 2: Money and Banking Unit 3: Determination of Income and Employment (Only till Chapter 7 - Aggregate Demand and Related Concepts)</p> <p>2. Assignment will be given from Unit 3</p> <p>3. Board Project - Students will start to write their contents section. The project has been discussed. A document has been shared with the students on the flow of their project.</p>
Physics	<p>1. Revise the following chapters for July Assessment Chapter 1: Electric Charges and Fields Chapter 2: Electric Potential and Capacitance Chapter 3: Current Electricity Chapter 4: Moving Charges and Magnetism</p> <p>2. Practical Work All students to complete the written theoretical component of the experiments discussed through virtual labs as per the instructions given in class. The content to be written has been posted on Google classroom and WhatsApp group.</p> <p>3. Work on Investigatory project decided, based on CBSE curriculum</p>
Psychology	<p>1. Revise the following chapters for July Assessment Chapter 1 VARIATIONS IN PSYCHOLOGICAL ATTRIBUTES Chapter 2. SELF AND PERSONALITY Chapter 3 MEETING LIFE CHALLENGES</p> <p>2. Practical work All students are to write the practicals in blue on interleaf sheets as per instructions given in class .The content to be written will be posted on google classroom.</p>
Mathematics	<p>1. Revise the following chapters for July Assessment Revise the following chapters (a) Chapter 2: Inverse Trigonometric Functions (b) Chapter 3: Matrices (c)Chapter 4: Determinants</p>

- (d) Chapter 5: Continuity and Differentiability
(e) Chapter 6: Application of derivatives

2. Activities from the Lab manual – NCERT (ebook Lab manual will be posted on the Google classroom)

(i) Activity No 5:

OBJECTIVE: To draw the graph of $\sin^{-1} x$, using the graph of $\sin x$ and demonstrate the concept of mirror reflection (about the line $y = x$).

Learning Outcomes: Students will understand that graph of function and its inverse function graph are mirror image of each other in the line $y = x$

(ii) Activity No 7

OBJECTIVE: To sketch the graphs of a^x and $\log_a x$, $a > 0$, $a \neq 1$ and to examine that they are mirror images of each other.

Learning Outcomes: Students will understand the concept of exponential and logarithmic functions and verify that both are inverse of each other.

(iii) Activity No 8

OBJECTIVE: To establish a relationship between common logarithm (to the base 10) and natural logarithm (to the base e) of the number x .

Learning Outcome: Students will convert log of a number in one given base to the log of that number in another base.

(iv) Activity No 9

OBJECTIVE: To find analytically the limit of a function $f(x)$ at $x = c$ and also to check the continuity of the function at that point.

Learning Outcomes: Students will understand the concept of limit and continuity of a function at a point.

(v) Activity 10

OBJECTIVE: To verify that for a function f to be continuous at given point x_0 , $\Delta y = |f(x_0 + \Delta x) - f(x_0)|$ is arbitrarily small provided Δx is sufficiently small.

Learning Outcome: Students will understand the concept of derivative (left hand or right hand) at any point on the curve corresponding to a function

NOTE : Write the following for the lab Activities

1. Objective
2. Material Required
3. Method of construction
4. Demonstration
5. Observation
6. Application

Do all the activities in A-4 size (thick) sheets, one side ruled and other side plain. Paste the graph on the plain side neatly

Computer Science	1. Revise the following chapters for July Assessment Chapter 1 : Python Revision Tour-I Chapter 2 : Python Revision Tour-II Chapter 3 : Working with Functions Chapter 4 : Using Python Libraries Chapter 12: MySQL Revision Tour Chapter 13: More on SQL 2. Work on Project decided, based on CBSE curriculum Perform Python-SQL Connectivity and share screenshots over email.
Legal Studies	1.Revise the following chapters for July Assessment Unit 1 Unit 5 Unit 7 2. Project work- As per CBSE Guidelines (awaited)