

# Beetle's International School

## Summer Holiday Homework (2024-25)

*Dear Parents*

*As the upcoming summer holiday approaches, we would like to share with you an amazing opportunity for your child to take part in engaging and meaningful activities.*

*Enclosed with this message is; a summer break Assignment designed to encourage creativity, exploration, and lifelong learning. With these fun and educational summer activities, we are certain your child will have a fabulous time learning and exploring.*

*We encourage you to go along with your child on this journey of exploration. Together, let's make this summer break one filled with accomplishments, joy, and priceless memories.*

*Kindly be informed that Holiday Assignment will be assessed and evaluated and marks scored will be included in the forthcoming Exam.*

*Last date for submission of Holiday Assignment is Monday 24<sup>th</sup> June, 2024.*

*School reopens after Summer Vacation on Wednesday 19<sup>th</sup> June at 8.00 am. (Summer Schedule follows)*

*I wish everyone a wonderful and refreshing break!*

**PRINCIPAL**

### **Class XI (Science)**

#### **Subject : English**

- Q. 1 Create a working model on The Portrait of a Lady/ A Photograph/ The Summer of the Beautiful White Horse.
- Q. 2 Prepare a Project File of your favourite Author / Poet. Write his/her bio-sketch, major works and achievements.
- Q. 3 Read newspapers or listen to the news daily. Write five articles in 100 – 120 words in your English Notebook.
- Q. 4 Reading is a good habit. Read poetries and write five poetries, with their poets names and poetic devices and explain them.
- Q. 5 Make a working model of the following:
- |               |                              |
|---------------|------------------------------|
| i) Tenses -   | Roll No. 1 to 15             |
| ii) Clauses - | Roll No. 16 to last Roll No. |
- Q. 6 Read an English Novel and write the character sketch of all the main characters on colourful papers. Also prepare the summary of the Novel to explain to the class.
- Q. 7 Write any story on chart paper and paste or draw pictures accordingly. Decorate it wonderfully. Also prepare yourself to narrate it with proper modulation and information. (Give a catchy title to it.)

A memorable experience with your favorite family member.

A time that you took a stand for someone or for an issue that you care about.

### **Subject : Physical Education**

Write in following practical in Lab Manual with pictures.

- Q. 1      Practical 1 :    Fitness Tests Khelo India Test (SAI)
- Practical 2 :    Procedure for Asanas, benefits and contraindication for any two Asanas for each lifestyle diseases.
- Practical 3 :    Anyone IOA recognized sports game of choice. Labelled diagram of field and equipment. Also, mention its rules, terminologies and skills.

### **Subject : Informatics Practices**

- Q. 1      Write Python programs and their output.
- i)        Write a program to accept employee name, age, employee salary from the user and print them in a formatted way.
- ii)        Take two integer values from user and print smaller among them.
- iii)        Take input of age of 3 people by user and determine oldest and youngest among them.
- iv)        Calculate the sum of all numbers from 1 to 10.
- v)        Write a program to print multiplication table of a number given by the user.
- Q. 2      Make a 3D computer input and output devices model.
- Q. 3      Make a 3D model of "Timeline showing key inventions" in computing technology.
- Q. 4      Write advantages and disadvantages of AI on a chart paper.

### **Subject : Maths (Core)**

- Q. 1      Mathematics: Redo exercises of set, relation and function, trigonometric function complex number.
- Q. 2      A working or non-working model: Roll No. 1 to 10 – model on relation and function.
- Q. 3      Roll No. – 11 to 20 : Model on complex number

### **Subject : Maths (Applied Mathematics)**

- Q. 1      Mathematics : Redo exercise of numbers, indices and logarithm, mensuration.
- Q. 2      A working or Non-working model : Roll No. 1 to – model on Logarithm.

### **Subject : Chemistry**

- Q. 1      To write Chemistry experiments according to the curriculum in practical file. The format to be followed: AIM, material required, Procedure, Diagram, observation, Conclusion and Precautions.
- Q. 2      Prepare 1 mark 20 questions from each chapter 8, 9 and 10. Submit in the form of typed hard copy.
- Q. 3      Make a PPT and file on any of the following topics:  
            Model of atom-Rutherford model, Bohr model  
            Mole concept  
            Limiting reagent  
            Stoichiometry
- Q. 4      To prepare projects on working models, visual model, and charts for exhibition Rutherford model, Hydraulic lifts, bonding in carbon and its versatile nature, Titration, double slit experiment, dual nature of light, properties of solid, liquid, gas.

### **Subject : Biology**

- Q. 1 To prepare project of 35-40 pages on the topic already discussed. It should include: Cover page, Index, Acknowledgement, Certificate, Introduction, Details about the project, Annexure & Bibliography.
- Q. 2 Prepare 1 mark 20 questions from each chapter 8, 9 and 10. Submit in the form of typed hard copy.
- Q. 3 Seeds are the most important derivatives of plants as they help in perpetuation of species. Make a list of seeds that are used in our daily diet. Classify them into various nutrients of food.
- Q. 4 To prepare projects on working models, visual model and charts for exhibition.

### **Subject : Physics**

- Q. 1 Make 3-D working model ,Chart on thermocol and PPT (in CD) for presentation in class for the TOPICS listed below, any new and dynamic topic by your own choice (prior informing and allotment) can also be made in group of 5 students.  
Also explain their importance in real life scenario in atleast 3 slides.  
SUGGESTED TOPICS ARE :  
D.C Electric Motor, A.C Electric Motor, Spectroscope, Hydraulic Lift, Pulley crane system, Electric ropeway project, aryabhata satellite model, toll tax system.  
(Usage of Arduino or Raspberry pi board is considered best.)
- Q. 2 Make formula Sheets on A-4 pages with atmost creativity and facts of all chapters of NCERT PHYSICS and learn them for testing in class just after summer holidays.  
(Any other type of presentation of these formula will be appreciated)