**The Royal College**

**Winter Holiday Homework 2023-24**

**Class- XI A**

Dear Parents

Vacations are not only meant to explore the world outside but also are an opportunity to rediscover ourselves while we stay at home. So, embark on a journey of fun and adventure by reading books, exercising, meditating, dancing and channelizing your energy in a positive manner.

The Winter Vacation has begun. To keep our students engaged in fun based learning activities we have compiled a set of activities for the Winter Vacation. You may have to help your child to complete the home-work.

Kindly make sure that your child submits the homework to their respective class teacher/ subject teachers as per the submission dates suggested.

**Mathematics – Practice the following chapters from NDA (Aryan Tomar, Ayush Kumar Singh, Rohit Bhatt, Karamaraj Sinh)& NCERT book in separate note book.**

1. Binomial Theorem
2. Coordinate system and Straight line
3. Measurement of Angles & Trigonometric ratios
4. 3-D geometry

**Physics – Read the following chapters from NCERT book and learn and write all the exercises given at the last of the chapters along with all the NCERT Exemplar questions, Practice these chapters from NDA book (Aryan Tomar, Ayush Kumar Singh, Rohit Bhatt, Karamaraj Sinh) in a separate notebook.**

1. Centre of Mass and Rotational Motion
2. Gravitation
3. Mechanical Properties of matter
4. Mechanical Properties of fluids
5. Thermodynamics

**Chemistry – Read the following chapters from NCERT book and learn & write all the exercises given at the last of the chapters along with all the NCERT Exemplar questions in a separate notebook.**

1. Thermodynamics
2. Chemical Equilibrium
3. Redox Reaction

**Biology – Read the following chapters from NCERT book and learn & write all the exercises given at the last of the chapters along with all the NCERT Exemplar questions in a separate notebook.**

1. Chemical Coordination and Integration
2. Neural Control and Coordination
3. Locomotion and Movement
4. Excretion and Elimination

**For any query you can call to Mr. Devansh Kohli on this number +917906097284 only between 10.30 am to 11.30am.**