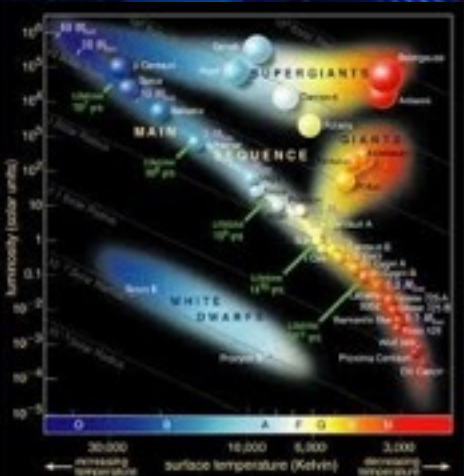


KEEP CALM AND STUDY PHYSICS



“Physics seeks to explain the universe itself”

IB Physics:

Standard Level students study the following core topics: mechanics, thermal physics, waves, electricity and magnetism, circular motion and gravitation, atomic, nuclear and particle physics, energy production, along with one option topic.

Options: relativity, engineering physics, imaging, astrophysics

Higher Level students will cover the same topics in more depth and will also learn about quantum physics.

Practical work is intrinsic to the physics course, all standard and higher level physics students will complete an **individual investigation**.

“understanding how nature works both at the microscopic and macroscopic scales”

A Level Physics:

In **Year 1** students learn about motion, forces, energy, materials, stars, particle, nuclear, electricity, waves and quantum. There will be 2 AS exams taken at the end of year 1.

In **Year 2** these topics are then developed and linked to further topics which include circular motion, vibrations, kinetic theory, thermal physics, fields and electromagnetic induction, astrophysics and nuclear energy. A Level students also study an **option topic** which links physics to the world of work, from one of the following: medical physics, energy and the environment, alternating currents, the physics of sport. The whole course is assessed in 3 terminal exams to form the A Level grade.

Practical work is an intrinsic part of physics and occurs throughout the 2 years. Practical skills are assessed separately leading to a **Practical Endorsement** (pass/fail), this does not contribute towards the A Level grade.

Physics at Bryanston

- **Physics assignment room with a dedicated sixth form area and staff on duty to provide help**
- **A well stocked library**
- **A research lab**
- **Supplementary maths lessons**

I Believe in

Physics