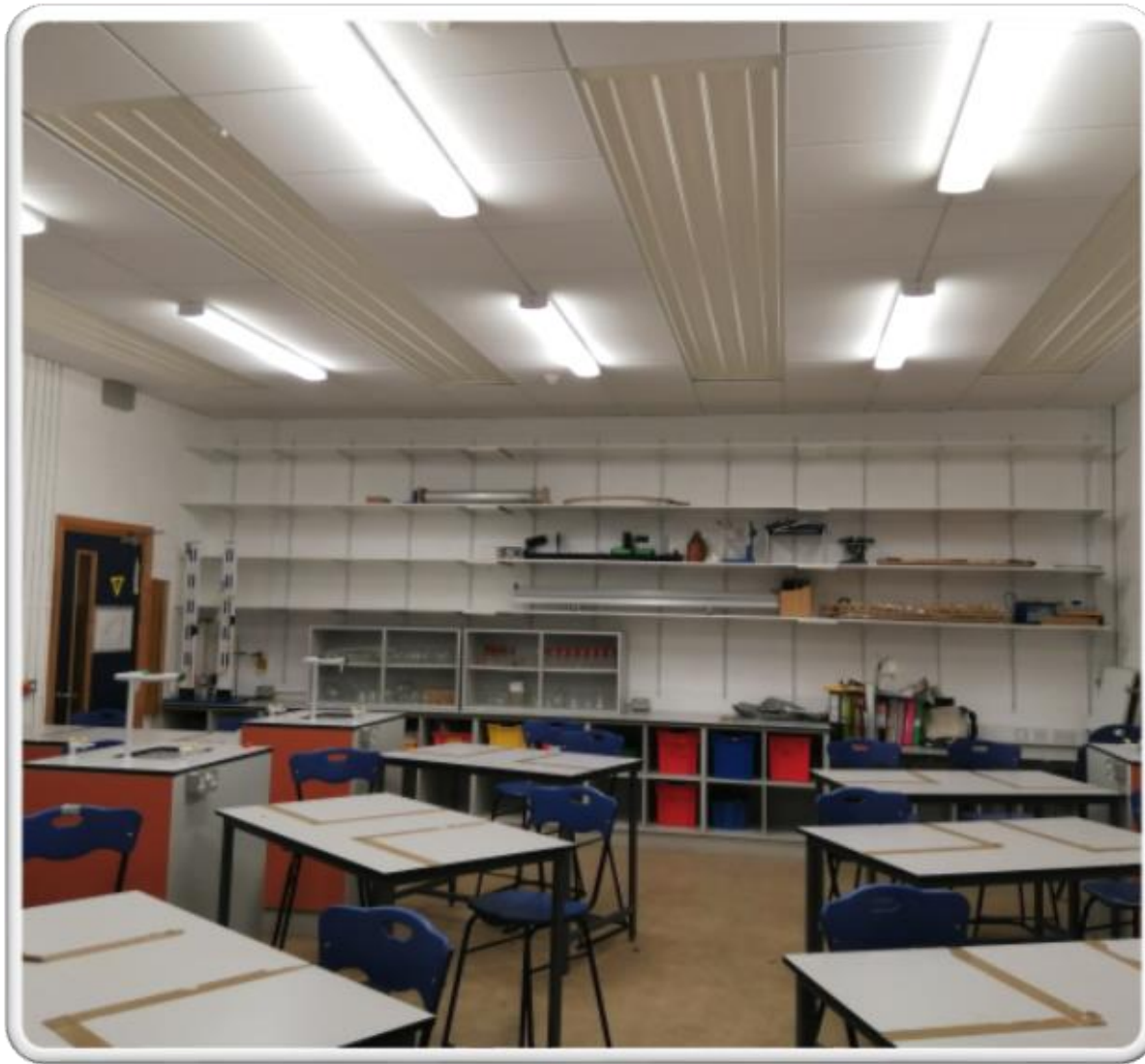




Junior Cycle Science



One of the Science Labs in Donabate Community College

Science Topics



Physics



Chemistry



Biology



Earth and Space



Nature of Science

Physics

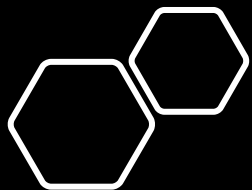
Physics is involved in most of the everyday applications of science and technology that we meet in our daily lives in work, medicine, entertainment and in the home.

In Junior Cycle Science you get to investigate:

- Forces,
- Energy,
- Speed,
- Heat,
- Electronic's
- Electricity



[Click on the video to see some hair raising experiences](#)



Chemistry

Chemistry involves the study of matter and the changes it undergoes.

In Junior Cycle you will learn about:

- Acids and Bases,
- Rates of Reactions,
- Separating Mixtures,
- Chemical Reactions,
- Structure of an Atom,
- Elements, Compounds and Mixtures,
- The Periodic Table,
- Crystals



[Click on the video to see amazing chemistry in action](#)

Biology

Biology is the study of living things and how they interact with each other and the environment.

In Junior Cycle Biology you will learn about:

- The Cell
- Circulatory, Digestive, Respiratory Systems
- Photosynthesis and Respiration
- Inheritance and Variation
- Evolution
- Human Health
- Microorganisms
- Habitat Study



One of our students showing the results of his plant biology work.

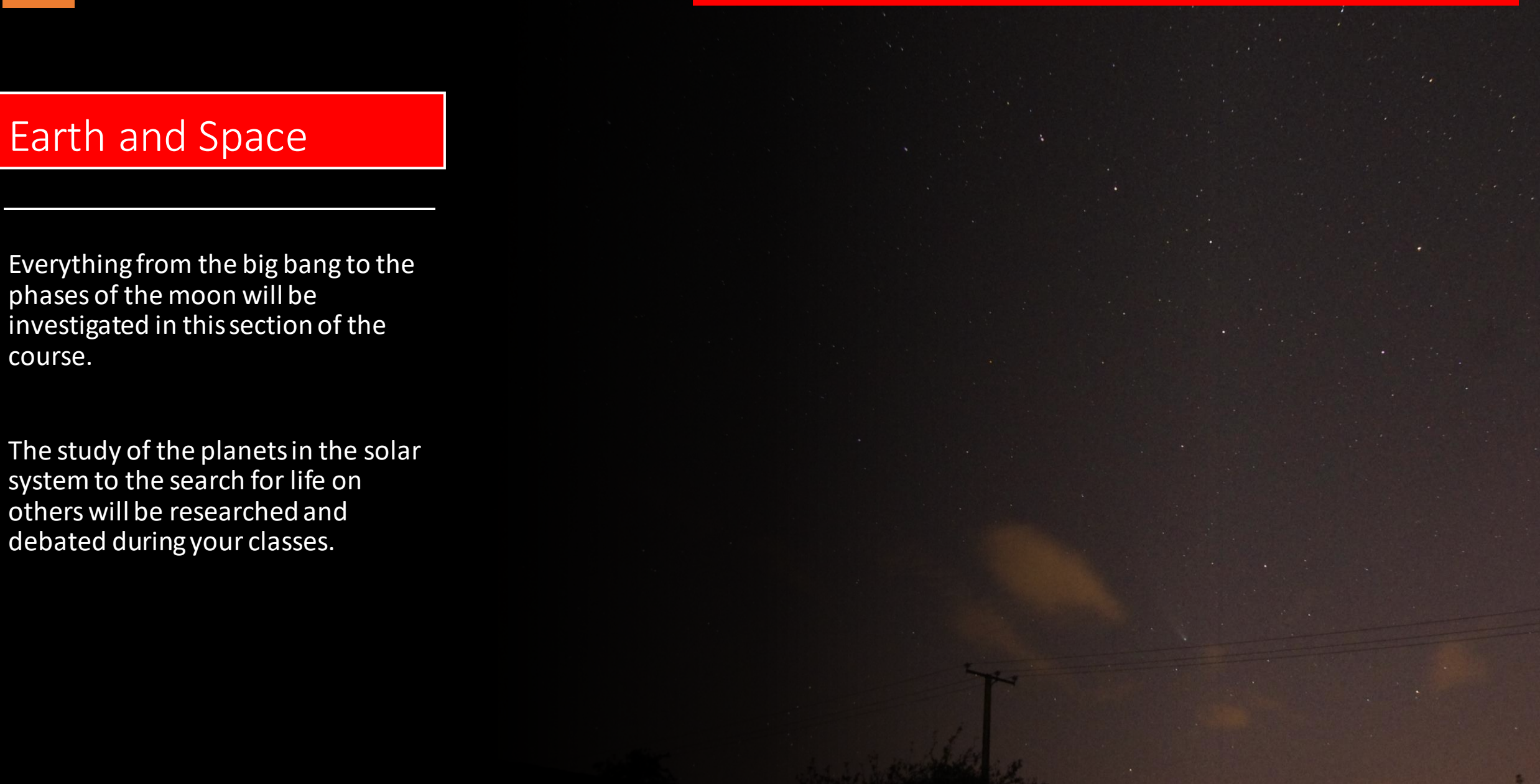


Earth and Space

Everything from the big bang to the phases of the moon will be investigated in this section of the course.

The study of the planets in the solar system to the search for life on others will be researched and debated during your classes.

The night sky picture in North County Dublin with The Plough clearly visible and the comet Neowise just above the power lines.



The Nature of Science

In this topic you will learn how to be a scientist by:

- Collecting and analysing data,
- Producing evidence and
- Formulating theories.

Communication of your ideas will feature heavily in projects and in classroom based assignments



