

## Junior Cycle Science

This subjects helps develops students as scientific thinkers. The learning outcomes span across a unifying strand called *Nature of science*, and the four contextual strands: *Physical world*, *Chemical world*, *Biological world* and *Earth and space*. There is a new focus given to the Nature of science which aims to promote greater engagement and thinking about how science works; carrying out investigations, communicating in science, and the role and contribution of science and scientists to society. There are also new assessments which offers students a chance to demonstrate their achievement as creators of scientific research reports.

## Junior Cycle Science

Chemistry

Physics

Biology

SCIENCE

*Although you don't need junior cycle science to study the senior cycle science it is no doubt that it gives you an advantage at tackling these subjects*

## Why should you study science

Science is as much a way of thinking as it is a subject. In today's information dense world science teaches us how we should interpret and utilise all this information. It allows us to question the information that is presented to us in an unbiased and critical way.

Science also allows a person built in curiosity to develop. One does not need to simply accept the universe as it is. You can (and should) question how the universe works and very often through the work of talented and hard-working scientists we find out the answers to these questions. Who knows your question may be the next one to be answered...you might even be the one to answer it?



**E X A M S**

The Junior Cycle Science course is new and 2019 was the first year the final exam took place. The subject is assessed by two CBA's (Classroom-Based Assessments), one Assessment Task and one final 2-hour exam in June of 3rd year.

The Assessment Task is a written task completed by students during class time, which is not marked by the class teacher, but is sent to the State Examinations Commission for marking. It will be allocated 10% of the marks used to determine the grade awarded by the SEC.

## **Classroom-Based Assessment (CBA) Overview**

### **CBA 1 – Extended Experimental Investigation**

Students will formulate a scientific hypothesis, plan and conduct an experimental investigation to test their hypotheses, generate and analyse primary data, and reflect on the process, with support/ guidance by the teacher.



**SCIENCE**

### **CBA 2 – Science in Society Investigation**

Student will research a socio- scientific issue, analyse the information/ secondary data collected, and evaluate the claims and opinions studied and draw evidence-based conclusions about the issues involved, with support/guidance by the teacher.

It must be completed in the 1st/2nd term of 3rd year.