



# Senior Phase Science

# National Courses in Science

## Courses

### **National 4/5 Biology**

- Scientific inquiry and investigation skills are developed through a range of topics from molecular through to whole organism and beyond.

### **National 4/5 Chemistry**

- The study of Chemical Changes and Structures, Nature's chemistry and Chemistry in Society.

### **National 4/5 Physics**

- Develops an understanding of the role of physics in real world applications, such as Dynamics, Waves, Radiations, Space and relevant applications of physics in the environment.

# National Courses in Science

## Course structure

There are three main topics for each of the National 5 Sciences.

Each topic contains sections of knowledge and understanding and skills development.

Each of the sections will have assessed homework and progress checks through out the year.

There is a prelim after the Christmas break and a second prelim prior to study leave.

Components externally assessed by SQA.

- Assignment
- Examination

# Higher Courses in Science

## Courses

### **Higher Human Biology**

providing the skills needed to develop and apply knowledge and understanding of human biology.

### **Higher Chemistry**

the skills of scientific inquiry and investigation are developed alongside the study of the applications of chemistry in everyday contexts.

# Higher Courses in Science

## Courses

### **Higher Physics**

Through learning in physics, students develop their interest in and understanding of the world. They engage in a wide range of investigative tasks, which allows them to develop important skills to become creative, inventive and enterprising.

### **Higher Psychology**

providing the knowledge and skills needed to study people's behavior, thoughts, feelings and motivations.

# Higher Courses in Science

## Course structure

In a similar manner to National 5, Higher and Advanced Higher Sciences have a number of main topics. The topics build on the understanding of the National 5 courses but the breadth and depth of understanding required is greater.

At Higher and Advanced Higher level there is an expectation that students take a greater ownership of their learning.

They will work with their teachers to overcome challenges and ensure they are prepared for assessments to the best of their ability and complete all work to deadlines.

# Higher

## Course structure

They will have a number of progress checks throughout each topic and are expected to take positive steps to overcome any areas of challenge.

There is a prelim after the Christmas break and a second prelim prior to study leave.

Components externally assessed by SQA.

- Assignment
- Examination



# Important Messages

Ensure students are using all the resources available to them. EDMODO, Beeslack Science Resources, BBC Bitesize, SQA website and Scholar.


NATIONAL 5 PHYSICS ▶ 6 - PROJECTILE MOTION

## 6 – Projectile Motion

Please use the links below to access the resources

Notes


You should produce a series of revision notes for each of the learning intentions below. Your notes should fully demonstrate your understanding of the learning intention. This could be a definition, sample calculation or a labelled diagram.




Learning Intentions




Notes




Presentation



Problems



Revision Questions



Online Homework 1

**Also in this section**

- 1 - SPEED, DISTANCE AND TIME
- 2 - VECTORS AND SCALARS
- 3 - ACCELERATION
- 4 - VELOCITY-TIME GRAPHS
- 5 - NEWTON'S LAWS
- ▶ 6 - PROJECTILE MOTION
- CONSERVATION OF ENERGY
- COSMOLOGY
- DOSIMETRY
- ELECTROMAGNETIC SPECTRUM
- FISSION AND FUSION
- HALF LIFE
- LIGHT

## Bitesize

Change language -

Home | Learn & revise | Support | Careers | My Bitesize | All Bitesize

### National 5

## Chemistry

Part of **Learn & revise**

### Topics

**Chemical changes and structures >**

- Exam skills
- Researching Chemistry assignment
- Rates of reaction
- Atomic structure
- Bonding and properties of materials
- Chemical formulae
- Balanced equations



# Important Messages

If students are off they should use the online resources to keep up to date with the work.

Ensure they are working to their deadlines.

Complete all homework.

Have discussions on how to revise and experiment with different methods to find the best one for them.

Attend support sessions held throughout the year.

Reflect on progress through the year and act on areas for improvement.