HIGHERS IN A NUTSHELL

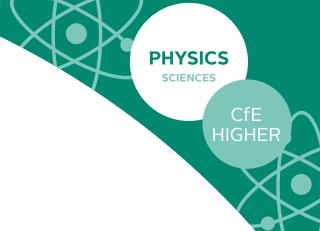
The National Parent Forum of Scotland Summary of Higher Physics



OUR DYNAMIC UNIVERSE PARTICLES AND WAVES ELECTRICITY RESEARCHING PHYSICS



ASSIGNMENT + QUESTION PAPER





Skills

Learners will be able to:

- apply knowledge and understanding of physics
- · understand the role of physics in scientific issues and relevant applications of physics, including the impact these could make in society and the environment
- develop scientific inquiry and investigative skills
- develop scientific analytical thinking skills, including scientific evaluation, in a physics context
- use technology, equipment and materials, safely, in practical scientific activities
- develop planning skills
- problem-solve in a physics context
- use scientific literacy to communicate ideas and issues and to make scientifically informed choices
- · develop the knowledge and skills for more advanced learning in physics



Opportunities for Learners

Learners will be able to:

- develop their interest in and understanding of the world
- engage in a wide range of investigative tasks and develop important skills to become creative, inventive and enterprising
- evaluate environmental and scientific issues, consider risk, and make informed decisions
- describe and interpret physical phenomena using mathematical skills
- · practise scientific methods of investigation from which general relationships are derived and explored



Assessment

Assignment

- To gain Higher Physics, learners must pass the four Units and the Course Assessment (Assignment and Question Paper for 120 marks)
- Units are assessed as pass or fail by the school/centre and are quality assured by the SQA. Achievement of Units is recorded on the learner's qualifications certificate
- The SQA has provided examples of Unit assessments that teachers/lecturers can use as they are, or adapt to suit the needs of their learners
- The Course Assessment consists of an Assignment (20 marks) and a Question Paper (exam for 130 marks) which is in two sections (see below). These are marked externally by the SQA
- Higher Physics is graded from A to D or as No Award.



Question Paper Section 1: Multiple choice questions (20 marks)

2 hours 30 minutes

Section 2: Restricted and extended response questions (80 marks) 100 marks

Specimen Paper www.sqa.org.uk/files_ccc/PhysicsSQPH.pdf

An investigation into a relevant physics topic, the findings of which 20 marks

are written up under timed conditions.



Progression Higher courses can stand alone or follow on from National 5 qualifications and may lead to Advanced Highers, the Scottish Baccalaureate and a range of qualifications within Further and Higher Education.



For course information, specimen question papers and past paper guidance visit: Higher Physics: www.sqa.org.uk/sqa/47916.html Curriculum for Excellence Key Terms and Features Factfile

www.educationscotland.gov.uk/Images/CfEFactfileOverview_tcm4-665983.pdf Further Information for Parents and Learners Information on assessment, skills, progression, revision resources and summaries of National Qualifications www.parentforumscotland.org



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