

Part of the Immersion Curriculum

PARK HALL ACADEMY

# INDEPENDENT LEARNING

*Supporting development*

**AUTUMN TERM 2011**

Subject SCIENCE KS4

GCSE Gateway Science Year 11

## **Unit title and main topics/themes**

C3 The Periodic Table

- Atomic structure and bonding
- Alkali metals and halogens
- Metal structure and properties
- Electrolysis

B3 Living and Growing

- Blood circulation and diffusion
- Growth in plants and humans
- DNA and enzymes
- Selective breeding, GM and cloning

P3 Forces for Transport

- Speed, forces and motion
- Energy on the Move
- Crumple zones and falling safely
- Kinetic energy and GPE

**Basic/general description of homework set**

Homework is based upon consolidating and extending understanding of topics covered.

- Research and scientific extended writing
- Worksheets
- Past exam questions

**Course details - exam board, website, other useful resources, dates/months of exams**

OCR Gateway GCSE Additional Science B [www.ocr.org.uk](http://www.ocr.org.uk) Exam: Jan 2011  
B3C3P3

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