

Science KS3

Character Curriculum

7BR – Gregor Mendel discovered how genetic inheritance resulted in people inheriting diseases.

He showed great ambition, determination and innovation to succeed in this area.

Determination at the start of year 7. New to the school and having to learn higher level content.

Year 7

8CP – Mendeleev, Newlands. Showed adaptability and courage to develop new theories for the periodic table.

7PE - Energy

7BC – cells, tissues and organs

7CP – particles

7BR – reproduction and variation

7CC – chemical reactions

7PF – forces in motion

8BE – Ecological relationships

Year 8

8PL – light and space

8CP – periodic table

8BD – digestion and nutrition

8PE – electricity and magnetism

8BE – Charles Darwin

Created the theory of evolution. Many people didn't believe his work due to religion and lack of evidence, but he was determined to collect evidence and prove this to be correct.

Year 9

9PF – forces in action

9CR – reactivity

9CE – energetics and rates

9PS – sounds waves

9BB – biological systems

9PM – matter

9BP – Plants and photosynthesis

8CM – materials and the earth

9PF – Isaac Newton
Showed courage to develop a new theory of gravity, that hadn't been tried and tested.

8PE, 9CR and 7CC are all practical topics. Students must develop their investigative skills and work autonomously to solve given hypotheses.

GCSE Science

Autonomy – students must demonstrate independence in their learning in and out of the classroom in preparation for GCSEs.