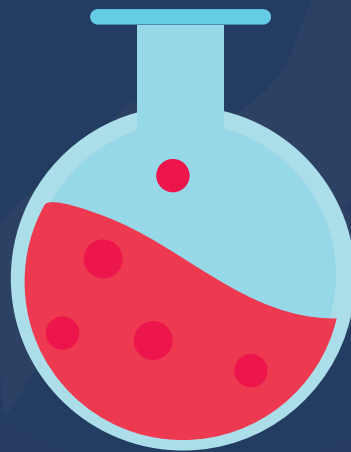




Harrow Way
Community School
Learning for life, success for all



Curriculum Overview

SCIENCE

Science Curriculum Overview

KS4	Rotation 1	Rotation 2	Rotation 3	Rotation 4
Year 7	Introduction	Forces / Organisms / Matter	Energy / Ecosystems / Reactions / Electricity	Genes
Year 8 – Current	Systems 2 / Mixtures / Forces 2 / Interdependence	Reactions / Waves / Digestion	Earth & Rocks / Inheritance / Electricity & Magnetism	
Year 8 – Future	Organisms / Matter / Forces	Genes / Reactions / Energy	Ecosystems / Earth and Space / Electricity	Resources / Waves
Year 9 – Current	Cells / Matter / Atoms and PT	Energy 1 / Introduction to Bonding / Disease	Introduction to Quantitative Chemistry / Electricity 1 / Systems 2	Rates / Forces 1 / Ecology 1
Year 9 – Future	Cells / Atoms and PT / Energy	Organisation / Intro to Bonding + Intro to Quantitative Chemistry / Electricity	Bioenergetics / Rates / Particles	

KS4	Rotation 1	Rotation 2	Rotation 3	Rotation 4
Year 10 – Current	Bonding / Plants and photosynthesis / Atomic Structure	Quantitative Chemistry + Rates + Energy / Digestion / Circuits 2	Reactivity Series + Electrolysis / Infection / Matter 2 + Energy Equations	Acids and Bases / Resources / Ecology 2
Year 10 – Future	Bonding / Infection / Atomic Structure	Quantitative Chemistry + Energy / Homeostasis / Forces 1	Chemical Changes / Ecology Forces 2 /	Resources / Waves
Year 11 – Current	Homeostasis / Forces 2 / Organic + Atmosphere	Cell Division + Inheritance / Waves / Evolution	Analysis / Electromagnets	
Year 11 – Future	Electromagnetism / Organic + Atmosphere / Inheritance	Evolution / Analysis		

How can parents help?

1. Ensure your child completes their weekly **Educake** quizzes – these assess the 40% of the exam that will be pure ***factual recall***
2. Use physicsandmathstutor for access to targeted exam question packs - assessing the 40% of the exam that will be pure ***application***
3. Use freesciencelessons for videos on the required practicals (and physicsandmathstutor for exam questions on them) – assessing the 20% of the exam that will be solely on ***required practicals***
4. Buy CGP revision guides for a combination of content and application
5. Use Educake's revision tab for random/targeted recall questions on any topic
6. Use the padlet (tinyurl.com/HWCSScience) for a range of revision resources and 'how to' sections explaining the best revision techniques