

# Beamont Collegiate Academy Curriculum Map



**Year: 9**

**Subject: Science**

Intent	Implementation	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Clarity around knowledge	Theme / topic	Waves (Light and Sound) Advanced Diet and Digestion	Advanced Diet and Digestion Further Chemical Reactions	Forces and Motion	Inheritance and Variation	Fundamentals of Biology Fundamentals of Chemistry	Fundamentals of Chemistry cont. Fundamentals of Physics
	Key substantive knowledge	<b>Biology</b> Structure and function of living organisms Nutrition and digestion	<b>Biology</b> Structure and function of living organisms Nutrition and digestion	<b>Biology:</b>	<b>Biology:</b> Structure and function of living organisms Reproduction Genetics and evolution Inheritance, chromosomes, DNA and genes	<b>Biology:</b> Cell biology	<b>Biology:</b> N/A
		<b>Chemistry:</b>	<b>Chemistry:</b> Atoms, elements and compounds Chemical reactions Energetics The Periodic Table Materials	<b>Chemistry:</b>	<b>Chemistry:</b>	<b>Chemistry:</b> Atomic structure and the Periodic Table	<b>Chemistry:</b> Earth and atmospheric science
		<b>Physics:</b> Waves Observed waves Sound waves Energy and waves Light waves	<b>Physics:</b>	<b>Physics:</b> Motion and forces Describing motion Forces Pressure in fluids Balanced forces Forces and motion	<b>Physics:</b>	<b>Physics:</b> N/A	<b>Physics:</b> Energy Particle Model of Matter Motion



Links to the real world / careers / PD		NHS Careers Nutritionist (Link in SOW)	NHS Careers Nutritionist (Link in SOW)	Land speed record (Bloodhound and Thrust SSC) Mars rover landing Royal Navy submarines	NHS Careers Genomics IVF Archaeologist, zoologist	Material Scientist Cell Biologist,	Industrial chemist, Lab technician
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