Science	Gatsby Benchmark 4 - Linking Curriculum Learning to Careers	September 2021 – July 2022

	Activity	Transferrable skill	Careers
		Year 7	
	Forces and their effect activities: Measuring forces. Creating and following procedure. Assessing risk.	Data collection and analysis. Critical thinking and problem solving. Team work.	Many of the activities require collaborative investigation and presentation required within industrial manufacturing generally.
	Energy resources activities: Evaluate current energy resources Investigate future resources and their environmental impact.	Opinionated debate with critical thought and analysis. Applied mathematics. Presentation.	Describing, explaining and analysing our current world with a vision of the past and a considered view of the future. An ever growing sector being renewable energy resources and their management, within Great Britain and beyond.
		Year 8	
	Evolution and inheritance activities: School garden investigation. Classification and historical analysis. Reproduction	Key word acquisition Data analysis Cross discipline collaboration (Biology, Chemistry and Physics)	All of the activities centre on world breeding programs, husbandry and their effects on the worlds ecological biodiversity.
	Food and digestion activities: Discreet BMI. Nutrient analysis and testing. Organ system exposé.	Self-analysis and reflective thinking. Data analysis and presentation. Abstract modelling.	A multi-disciplined industry in need of continual resupply. With increasing demand, innovative approaches are required for a sustainable future.
		Year 9	
	Forces and their effect activities: Measuring forces. Creating and following procedure. Assessing risk.	Data collection and analysis. Critical thinking and problem solving. Team work.	Many of the activities require collaborative investigation and presentation required within industrial manufacturing generally.

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	Energy resources activities: Evaluate current energy resources Investigate future resources and their environmental impact.	Opinionated debate with critical thought and analysis. Applied mathematics. Presentation.	Describing, explaining and analysing our current world with a vision of the past and a considered view of the future. An ever-growing sector being renewable energy resources and their management, within Great Britain and beyond.
Year 10			
	Energy resources activities: School wind turbine investigation. Various activities covering, wind, water, and solar power production.	Key word acquisition Data analysis Cross discipline collaboration (Biology, Chemistry and Physics) Critical thinking and debate.	All of the activities centre on world energy production.
Year 11			
	Waves and electromagnetism activities: Investigating wave properties. Connecting wave speed, frequency and wavelength.	Data collection and analysis Applied mathematics	A multi-disciplined industry including: Electronics Renewable resources