



CCSC Careers In Our Curriculum

Maths

	Curriculum Links	Employer Encounters/Ideas	Career Opportunities
Year 7	<ul style="list-style-type: none"> • Fluency – Managing money effectively. • Reasoning – Efficient methods for laying patterns on cloth, arranging files onto a hard drive or packing products into packaging. • Problem Solving – Planning the most effective routes for distributors to save on fuel and costs. Reading timetables to ensure punctuality to work. Analysing data to improve business practice. 	<ul style="list-style-type: none"> • STEM offer nationwide activities and taster sessions. The school also has an active STEM club that runs after school. <ul style="list-style-type: none"> ○ Visit www.stem.org.uk for more details. 	<ul style="list-style-type: none"> • Chemical Engineer • Civil Engineer • Mechanical Engineer • Accountant • Auditor • Games developer • Software Programmer • Mathematician • Research Scientist • Banking • Stock Broker • Data Analyst
Year 8	<ul style="list-style-type: none"> • Fluency – Looking at 2D and 3D drawings. Scale drawings to further understanding within architecture and engineering, or computer games. • Reasoning – Understanding the vast amounts of statistics available in the computer age. A competency with statistics is an increasingly sought out career trait. • Problem Solving – Understanding the forces around us using mathematical models, just as engineers working on drag forces of vehicles would. 	<ul style="list-style-type: none"> • The Mathematical association – Is a great resource and offers webinar and careers advice and ideas. Visit www.ma.org.uk for more information 	
Key Stage 4	<ul style="list-style-type: none"> • Market Research and Balance Sheets • Product Design and Logo Creation • Working within Safety Regulations • Supply and Demand Charts • Buying Stock and Prices • Growth and Forecast 	<ul style="list-style-type: none"> • With COVID 19 the ONS has never been more active, proving statistical analysis and data modelling for governments, business and news channels. Visit www.ons.gov.uk/aboutus/careers for more details. • Growth areas for mathematicians are in the gambling and online gaming sector, local employees such as BET365 offer recruitment programs for suitable qualified people. • The electronic car revolution will drive delivery of all associated support infrastructure and the requirement for mathematicians will be in demand. • Renewable energy and battery technology will drive employment opportunities as we move forwards. • After the Climate Change conference in Glasgow the knock-on effect will be for producing a greener world, technology jobs and data analysis will be in high demand across energy and infrastructure sectors. 	