

Maths careers in the curriculum resources		
Link	Description	Your notes
Maths, Why Bother? MYPATH Careers Resources (mypathcareersuk.com)	The 'Maths, Why Bother?' resource aims to help Maths teaching staff to show students the explicit links between the maths curriculum and the world of work.	
Lessons showing the links between maths and careers	Highlighting how taking maths beyond GCSE can help your students to achieve their dream job.	
Maths in the motor industry lessons student guide And Maths in the motor industry lessons teacher pack	Lessons teaching maths in the context of the motor vehicle industry	
My Learning My Future: Maths	A suite of resources that has been developed in partnership with The Careers and Enterprise Company and Skills Builder to help you speak confidently about careers related to your subject as well as the various pathways and skills needed by employers.	
AET and Pinewood: Careers in Maths Resource	Created by curriculum subject experts from Academies Enterprise Trust through collaboration with Pinewood Studios to engage and support students in learning by placing teaching points in the context of the world of work. For KS3 and KS4 addressing key topics of: interpreting statistics, proportional reasoning,	

	percentages and plans & elevations.	
<u>AET and Pinewood Year 10 resource</u>	<p>Created by curriculum subject experts from Academies Enterprise Trust through collaboration with Pinewood Studios to engage and support students in learning by placing teaching points in the context of the world of work.</p> <p>This resource contains the Year 10 activities</p>	
<u>KS3 Maths Careers in the curriculum resource</u>	<p>The resource contains lesson plans, powerpoints, worksheets, links for employer engagement and links to the KS3 maths specification. Teachers have used with KS4. Differentiation included.</p>	
<u>Where Maths meets the world of work</u>	<p>There are four different versions of each resource available so they can be used with students all the way from Upper KS2 to KS5.</p> <p>Each comes with a presentation, teacher notes and optional printables.</p> <p>The video and accompanying activities have been designed so that they can be completed in one hour but there are plenty of opportunities to extend them further or use as part of home learning.</p>	
<u>Seddon lesson plans</u>	<p>Seddon worked with their matched school, Haywood Academy, to develop these lessons and support the implementation of careers</p>	

	<p>into the curriculum in Maths in year 11. The lessons were developed around topics that were identified as challenging for students to understand:</p> <ul style="list-style-type: none"> • There are 4 lessons included, covering percentages, area, volume and scales. • The role of a Quantity Surveyor was used as the means to impart the knowledge. • Haywood used the lessons before mock exams and saw an improvement in the scores afterwards, which they attributed partly to these lessons. 	
<p>FutureGoals Spotlight resource</p>	<p>Lessons for maths, English and science.</p> <p>Resources and activities focus on Key Stage 3 and 4 national curriculum content.</p> <p>Students will work in small teams to complete a wide range of tasks in order to stage the biggest and best festival ever!</p>	
<p>STEM careers toolkit</p>	<p>The STEM Careers Toolkit for secondary schools and colleges is filled with creative ideas and practical suggestions on how to build STEM specific content into your careers strategy.</p>	

Jobs that use Maths - BBC Bitesize	Job profiles and interviews related to maths.	
Explore careers - icould	Interviews with people in careers related to maths	
Teaching resources My World of Work	Short lesson inserts relating maths to careers. Created in Scotland but highly transferable to English context.	
What's the Point of Maths? - with Nira Chamberlain	Royal Institution 1 hour talk with a focus on transferable skills and mathematical modelling.	
Home - Maths Careers	Huge range of maths career resources.	
Why study economics? Discover Economics	Careers in economics resources	
Careerpilot : Jobs by subject	Career profiles related to maths	
Maths careers support (stem.org.uk)	Huge range of resources for teaching careers related to maths	
Mathematics & Cryptography GCHQ Careers (gchq-careers.co.uk)	Maths for spies and security with videos.	
Numerate roles in the construction sector in West Yorkshire	Video interviews with construction professionals in numerate roles such as quantity surveyor.	
Where maths meets... the world of work!	Set of high-quality videos which showcase the maths in different careers. Each video is also linked to one or more activities, so your students can get a real taste of what the career may entail. The videos are suitable for all students aged 11+.	
STEM Ambassadors for secondary teachers	Request a mathematics volunteer to visit your classroom or join a Teams call to talk about how they use maths in their career, or to help you develop your	

	maths curriculum and support difficult to teach concepts.	
<u>Top 5 Maths-Based Apprenticeships</u>	Apprenticeships with maths	
<u>Apprenticeship resources for schools, teachers, parents</u>	Search for “maths” to fetch relevant resources.	
<u>Mathematics - STEM Outreach Team (leeds.ac.uk)</u>	Leeds University STEM Outreach Team. All of our events and resources are free of charge.	