

Gatsby Benchmark 4 – Linking curriculum learning to careers

Desired Outcomes

- Science, technology, engineering and mathematics (STEM) subject teachers highlight the relevance of STEM subjects for a wide range of future career paths.
- By the age of 14, every student has had the opportunity to learn how the different STEM subjects help people to gain entry to a wide range of careers.
- All subject teachers emphasise the importance of English and maths.

In Practice

- The school adopts a strategic approach to linking curriculum learning to careers and embeds careers in subject learning. Real-life contexts and examples from the world of work can make subjects more relevant, motivate students and raise attainment.
- Each department/faculty has schemes of work and lesson plans which show how career-relevant learning will be embedded in their teaching. Their planning also makes clear how career-related subject learning will be assessed and, where appropriate, accredited.
- Teachers are confident at talking about careers related to their subject matter and understand the pathways and the skills in demand from employers.
- Subject teachers will understand the school process to access potential employers or alumni and look to increase engagement.
- The use of industry inspired subject content is another way of bringing industry into the curriculum. Solving or addressing a real-life application can develop employability skills such as communication and team working.
- The school recognises that the reach of subject teaching is far greater than what can be achieved through a limited amount of careers education sessions such as that taught in PSHE.
- Core competencies can be developed in every subject and experiences of communication, problem solving, resilience, etc should be highlighted to the students.

Linking curriculum learning to careers comprises three types:

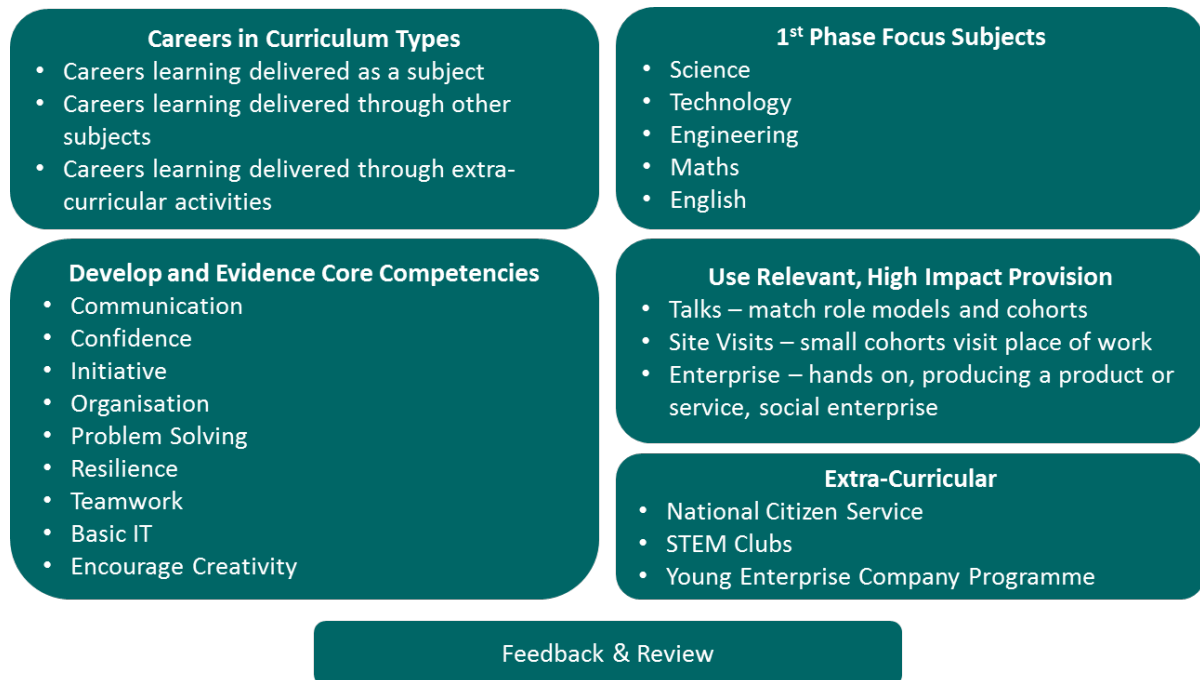
- Delivered as a subject, through a timetabled lesson such as PSHE or off timetable days
- Through other subjects, helping to demonstrate the relevance and application of a subject or core competence. Examples include financial capability through maths, engineering in science, digital literacy in any subject when Word, Excel and PowerPoint are used as a tool when producing work, etc.
- Extra-curricular activities either in school or outside of school in the students' own time

All benefit from the gravitas of employer engagement and role models during delivery.

After completion of a Compass evaluation, you can use [Tracker](#) to record activities clearly and easily, identifying how you are improving your Gatsby Benchmark scores with the activities that you plan.

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SEMLEP suggests – linking curriculum learning to careers



Resources – Examples of some the resources available

Careers in curriculum	
Forum Talent Potential	Enables Careers Leaders in schools to ‘work with subject teachers across the school so that careers provision is embedded within the curriculum’ whilst contributing to other Benchmarks
Careers learning delivered through other subjects	
Careers and Subjects	Links subjects to careers, skills and competency development. Developed by Yorkshire and the Humber.
Success at School	Shows links between subjects, pathways and careers.
Maths - Orbital Research	Resources for demonstrating the relevance of maths and for identifying possible career options.
Maths - The Alan Turing Cryptography Competition	Competition is aimed at students up to Year 11
Maths – Young Money	Resources, support and training for financial education for delivery is PSHE and mathematics
English - Council for Subject Associations	Resources developed to help introduce consideration of career planning into English lessons for KS3 and 4

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STEM - STEM Learning	A number of STEM based resources for use with ICT, Design and Technology, Engineering, Maths and Science
STEM - A Future in Chemistry	Pathways, careers and resources related to Chemistry
STEM - Royal Society of Biology	Resources designed to help teachers highlight future career options and opportunities available to their students who intend to study bioscience subjects beyond school.
STEM - 21st Century BioChallenges	Developed by the Royal Society of Biology to facilitate engagement with current issues in biochemistry, focusing particularly on topics related to health and food security.
STEM - The Architecture Centre, Making Buildings	Resources for pupils (9-14) to support STEM using themes of architecture, built environment, sustainability and food.
STEM - TeenTech	TeenTech provides students with a range of experiences which aim to shift their perceptions of contemporary careers in STEM.
STEM - Faraday Challenge Days	Engineering-based competition for schools
STEM – The Institution of Engineering and Technology	A range of teaching resources for STEM subjects
STEM - Scrub Up On Science	Practical Chemistry for students, linking UK curricula to the techniques and processes of the cosmetics industry.
STEM - STEM Ambassadors	Volunteers who offer their time to demonstrate the value of STEM in life and careers
STEM - Women in Science and Engineering	Aims to increase the participation and success of women in STEM
Careers learning delivered through extra-curricular activities	
National Citizen Service	Aimed at 15 to 17 years-old, NCS comprises exhilarating challenges that and build skills for work and life.
The Duke of Edinburgh's Award	The Duke of Edinburgh's Award encourages young people to take on a challenge and find their true potential.
Engineering in Motion	Formula 1 in Schools and Land Rover 4x4 in Schools
Engineering Development Trust	Range of programmes including Industrial Cadets work experience
The Smallpeice Trust	Aspire Family STEM Events
Young Enterprise Company Programme	Enables participants to experience what it's like to set up and run a student company. Can be run within Business.
Tycoon In Schools	National enterprise competition spearheaded by Peter Jones CBE, which gives young people the chance to run their own business.
Tenner Challenge	Young people are pledged £10 and use this start-up capital to get their enterprise off the ground. Participants have one month to make as much impact and profit as they can. Profits can be used to fund other enterprise activity.

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How can an Enterprise Adviser Network Help?

Your Enterprise Coordinator from SEMLEP will help and support you in ideas for addressing Benchmark 4. This can include support careers content for other subjects.

The Enterprise Adviser can assist and add value through:

- Knowledge of a sector and business they work in or have had experience of in the past, to show how a subject(s) is used in the world of work
- Introducing other business people or organisations with knowledge of sectors to contribute to activity within subjects
- Having experience of or knowing of people who have a story to tell and can demonstrate the impact of the subject and/or pathway they took for their careers

Use [Tracker](#) to record activities.

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