



BSKC Key Stage 4 /5 Curriculum Project - Examination Match

The table shows the BSKC curriculum projects matched to a selection of examination syllabuses in common use (or due to be in common use) in secondary schools in England and Wales. The selections demonstrate the range of examinations that the project relates directly to for either taught modules or for students project work. The list is not exhaustive as exam syllabus content is common across similar subjects. Where the subject allows different foci for content (Engineering) two examples are given.

The following project modules are designed for general personal development/ enhancement/ gifted and talented extension:

- Driving Skills
- Racing Skills
- Human Racing

The Championship Management module is a 14-19 Enterprise development module designed to develop and improve student organisation and management planning skills.

Project Title	Exam Board	Syllabus	Content
Chassis design and Build	Cambridge	IGCSE Design Technology	Design (Requirement, specification, ideas, implementation, realisation, aesthetics) Graphics (formal and orthographic) Resistant Materials manufacture (All)
	EdExcel	Engineering Diploma level 1/2	Discovering Engineering Principles (Taught Unit) Extended Project
	AQA	GCSE Engineering	Designing, Communicating and Manufacture
	OCR	GCSE resistant Materials	Developing, planning and communicating ideas Making quality products
	EdExcel	BTec First Engineering	Introduction to designing and making CAD Module CAM Module
Steering Design and Build	Cambridge	IGCSE Design Technology	Design (Requirement, specification, ideas, implementation, realisation, aesthetics) Graphics (formal and



			orthographic) Resistant Materials manufacture (All) Systems and Control (Mechanisms)
	EdExcel	Engineering Diploma level 1/2	Discovering Engineering Principles (Taught Unit) Project
	AQA	GCSE Engineering	Designing, Communicating and Manufacture
	OCR	GCSE resistant Materials	Developing, planning and communicating ideas Making quality products
	EdExcel	BTec First Engineering	Introduction to designing and making CAD Module CAM Module
Braking Systems design and Build	EdExcel	Engineering Diploma level 1/2	Discovering Engineering Principles (Taught Unit) Project
	AQA	GCSE Engineering	Designing, Communicating and Manufacture
	OCR	GCSE resistant Materials	Developing, planning and communicating ideas Making quality products
	OCR	GCSE Engineering	Engineering processes (Automotive): Wheels
	EdExcel	BTec First Engineering	Introduction to designing and making CAD Module CAM Module
Control Systems Design and Build	Cambridge	IGCSE Design Technology	Design (Requirement, specification, ideas, implementation, realisation, aesthetics) Graphics (formal and orthographic)



			Resistant Materials manufacture (All) Systems and Control (Mechanisms)
	EdExcel	Engineering Diploma level 1/2	Discovering Engineering Principles (Taught Unit) Extended Project
	AQA	GCSE Engineering	Designing, Communicating and Manufacture
	OCR	GCSE resistant Materials	Developing, planning and communicating ideas Making quality products
	WJEC	GCSE Systems and Control	Materials and Components (b) Mechanisms
	EdExcel	BTEC First Engineering	Introduction to designing and making CAD Module CAM Module
Accelerating and Braking	EdExcel	GCSE Additional Science to 2011	Unit P2 – As fast as you can
	EdExcel	GCSE Additional Science from 2011	Unit P2 Physics for your future
	EdExcel	GCSE Physics	Unit P2 – As fast as you can
	OCR	GCSE 21 st Century Science, Physics from 2011	Module P4 – Explaining motion
	Cambridge	IGCSE Physics	1.2 Speed, velocity and Acceleration 1.5 Forces
Grip and Handling	EdExcel	GCSE Additional Science to 2011	Unit P2 – As fast as you can



	EdExcel	Additional Science from 2011	Unit P2 Physics for your future
	Edexcel	GCSE Physics	Unit P2 – As fast as you can
	OCR	GCSE 21 st Century Science, Physics from 2011	Module P4 – Explaining motion
	Cambridge	IGCSE Physics	1.2 Speed, velocity and Acceleration 1.5 Forces
Team Uniforms	AQA	GCSE Textiles Technology	Materials and Components
	OCR	GCSE Textiles Technology	Designing and Making
	WJEC	GCSE Textiles Technology	Developing, planning and communicating ideas Working with tools, equipment and components to produce quality products Evaluating processes and products
	Cambridge	IGCSE Art	Graphic Communication
	Cambridge	IGCSE Textile Technology	Textile Design
Personnel Management	Cambridge	IGCSE Business Studies	Unit 4 People in Business
	EdExcel	GCSE Business Studies	Unit 3 Building a Business
	OCR	GCSE Applied Business	Unit A244 Business and you
Logistics Management	OCR	Functional Skills ICT	Level 2
Financial Management	Cambridge	IGCSE Accounting	Units 1, 2.1, 5.2
	Cambridge	IGCSE Business	Units 2.2.1, 2.2.3, 3.2.5, 3.2.6, 3.3.1, 3.3.2, 3.3.3 , 3.3.4



		Studies	
	OCR	GCSE Applied Business Studies	Business in Action
	EdExcel	GCSE Business Studies	Building a Business
Testing and Evaluation	OCR	GCSE Applied Science	The Physics of Sport 3.7.4 Practical Techniques and Procedures
Reporting	OCR	Functional Skills English	Writing
The Kart Stand	EdExcel	Engineering Diploma level 2/3	Extended Project
	EdExcel	GCE Design Technology Product Design	Product Development Knowledge and understanding of product design units 2.1, 2.3, 2.4
The Intelligent Lap Board	WJEC	GCSE Systems and Control	Materials and Components (a) Electronics
	WJEC	GCE Electronics	Unit ET4 Electronic Communications systems

The BSKC Championship itself can be utilised as an “Active” part of the CAS section of the International Baccalaureate. This can be extended through the development of a School Council run in-school championship where the management and implementation of the championship can also count towards the CAS.