



**Bournemouth
University**

Invent it up

The Invent it up project is an exciting initiative that aims to educate and inspire KS3 pupils about the possibilities of Product and Industrial Design.

These educational workshops are delivered at your school and last for approximately 2.5 hours¹. In this time pupils will find out more about the design and product design process and learn new skills in prototyping and model-making using card, foam and plastic.

Pupils are set a design project where these skills can be put into practice as well as sketching, woodworking and using hand tools.

The project is managed by BU graduate, Gino Abate. Gino has worked as a Product Designer for many years and has developed his own product, the compact bike lock. Using this as a stepping-stone he started his own design consultancy, developing products to help and improve people's lives. Gino is now putting this knowledge and expertise into working with Bournemouth University to deliver the Invent it up project.

Available workshops

Workshop Title	Description	Suggested Year Group	Duration ¹
The Marble Run	This workshop provides an introduction to design, teaching new skills in prototyping and making. Pupils are set a project to create a multi-player game using marbles.	Year 7 and 8	2.5 hours
The Sustainable Tent Project	For this workshop we consider how marketing can support design. Students are asked to explore solutions to the problem of waste at festivals and outdoor events, stopping tonnes of waste going to landfill by introducing biodegradable tents and furniture. The task is to design and market their product to tackle this problem, before presenting back to the group in the style of a Dragons Den Q&A session.	Year 7 and 8	2 hours
Artificial Intelligence	This can be delivered as a stand-alone workshop or as a follow on from the marble run; delving deeper into the opportunities within design. Pupils are shown upcoming Artificial Intelligence Technology and given the opportunity to explore what this could be used for.	Year 8	2.5 hours
The Outdoor Glider	The outdoor glider concentrates on the physics behind flight and the practical side of design and prototyping, specifically woodworking. Pupils are set a brief to design and make their own glider in groups.	Year 8	2.5 hours per workshop ²

¹ We are happy to run multiple workshops on the same date, just get in touch to discuss

² This workshop is usually delivered over two or more sessions