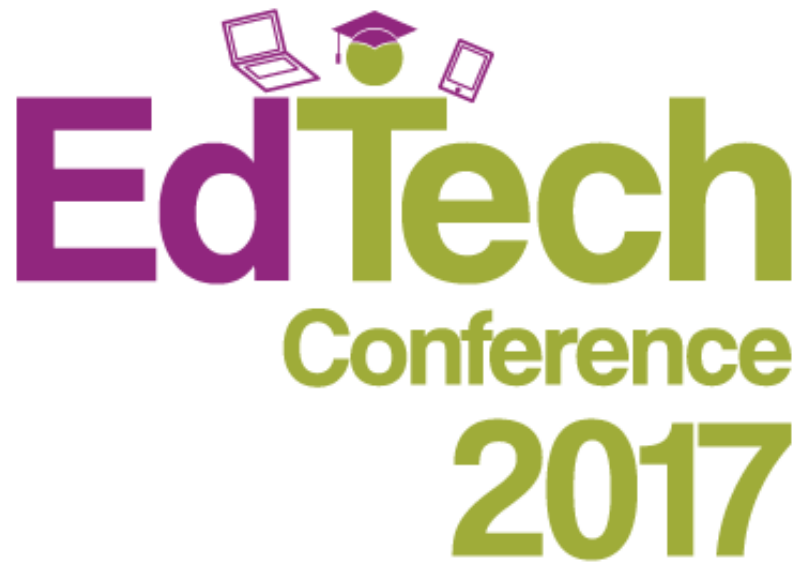


Bradford

The logo for the EdTech Conference 2017. It features the word "EdTech" in a large, bold font, with "Ed" in purple and "Tech" in green. Above the "i" in "Tech" are three icons: a laptop, a graduation cap, and a smartphone. Below "EdTech" is the word "Conference" in a smaller green font, and "2017" in a very large green font.

EdTech
Conference
2017

smoothwall

The Web You Want

The logo for curriculum innovation. It features the word "curriculum" in a small green font above the word "innovation" in a larger purple font. To the left of "innovation" is a stylized graphic of a globe with purple and green lines. Below the text is the website address "www.ticbradford.com".

curriculum
innovation
www.ticbradford.com



City of
BRADFORD
METROPOLITAN DISTRICT COUNCIL

Digital Making with a Crumble

Chris Burton – Assistant Headteacher. St John's CE Primary

Pupils of St John's CE Primary

Tim Bleazard Curriculum Innovation

Computing @ KS2

design, write and debug programs that accomplish specific goals, **including controlling or simulating physical systems**

Simulating Physical Systems



SCRATCH



Construct 2



curriculum
innovation
www.ticbradford.com

smoothwall
The Web You Want

Bradford
EdTech
Conference
2017



City of
BRADFORD
METROPOLITAN DISTRICT COUNCIL

Design Technology @ KS2

Design

generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design

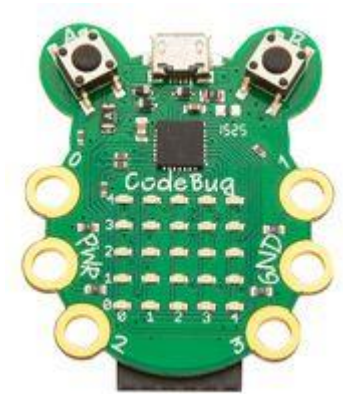
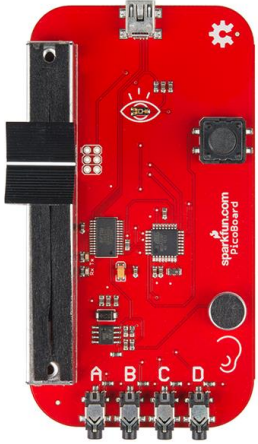
Technical knowledge

understand and use electrical systems in their products [for example, series circuits incorporating switches, bulbs, buzzers and motors.

Physical Computing Playground

	Codebug	Microbit	Crumble
What is it? Cost	£15 or a class set for £310 http://www.codebug.org.uk/shop/	Approx £15 from different resellers. https://shop.pimoroni.com/collections/micro-bit To be given away free to secondary pupils. Code Club have also given away small numbers to primary schools. https://blog.codeclub.org.uk/2016/12/08/another-chance-to-get-your-hands-on-microbits/	Starter kit from £21. Crumble for £12 http://redfemelectronics.co.uk/shop/
How it Works	Online editor that looks like Scratch. Log in to use it. Lots of tutorials split into difficulty levels. Use our training login or create your own.	Online editors available. The block editor is most suitable for primary school there are also ones with Python, JavaScript and Touch Develop. Teachers can apply for a BBC micro: bit authorisation code to set up pupil accounts but you don't need to do this. You can download your projects from the scripts page or you can save the downloaded hex file created when you add your program. Microbits can also be controlled by an iPad app. They can also be used with Kodu on a PC.	Download PC/Mac/Linux software from http://redfemelectronics.co.uk/crumble-software/ Looks like a cut down version of Scratch.
Suggested activities	Go to http://www.codebug.org.uk/ And log in (see above) Try the 'Getting started in one minute' link at the top of the page. Other	Go to http://microbit.org/ then Microsoft Block Editor then Lessons . Try a beginner lesson such as Smiley . Try an intermediate such as Rock Paper Scissors . https://www.codeclubprojects.org/en-GB/microbit/	Use cards from http://code-it.co.uk/crumble/crumble Try One Sparkle . Try Many sparkles Also see video guide to creating Fairground ride on site above.

Digital Technology Loans



Codebug.org.uk

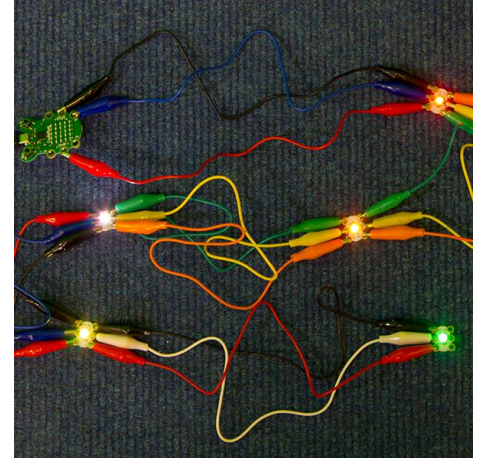
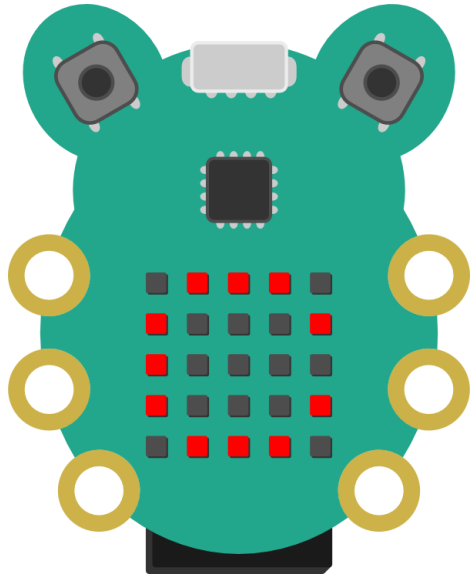
Online Editor. Works on laptops or Chromebooks

Sign up online

Tutorials and projects by difficulty.

30 for £310.

Peripherals such as Glow Bugs



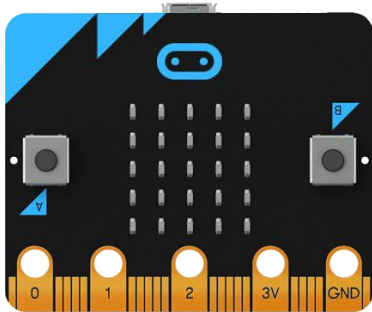
BBC micro:bits

Online Editor. Works on laptops or Chromebooks

No need to sign up

Tutorials and projects by difficulty. Great resources from Code Club too

From £13 each



ticbradford.com/coderdojo



curriculum
innovation
www.ticbradford.com

smoothwall
The Web You Want

Bradford
EdTech
Conference
2017



City of
BRADFORD
METROPOLITAN DISTRICT COUNCIL

MICRO:BIT BUGGY CHALLENGE

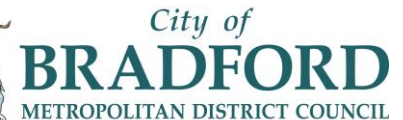
- Design, print, etch, build and program your buggies.
- Components provided.
- Program using video tutorials and Skype updates.
- Take part in the Face to Face Challenge.

MICRO:BIT BUGGY CHALLENGE

- Schools can enter any number of buggies in the challenge.
- The project is aimed at Year 5, 6 and 7 pupils.
- A half day training session for staff modelling all aspects of the challenge is provided
- Video tutorials to guide you and the pupils through all the elements of the project will be available online.
- Skype / live video sessions will be offered to provide further support to the project.
- The project will run for approximately 6 - 8 weeks in the Autumn term 2017 and would suit an after school club.
- The Face to Face Challenge will be in December 2017.

CURRICULUM	IPAD
Subscriptions	
Computing Curriculum	
Film Literacy Project 2017	
Micro:bit Buggy Challenge	
Digital Leader Academy	

Sponsors and Exhibitors



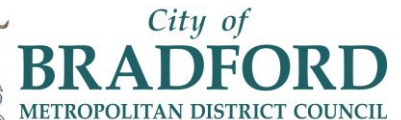


- Subscriptions for schools and partnerships
- Curriculum Online (Premium Services)
- (e)Safeguarding
- Digital Leader Academy
- Micro:bit Buggy Challenge
- Game Makers Festival (Premium Services)
- Film Literacy KS1
- Loan boxes
- Filming best practice
- STEM CPD

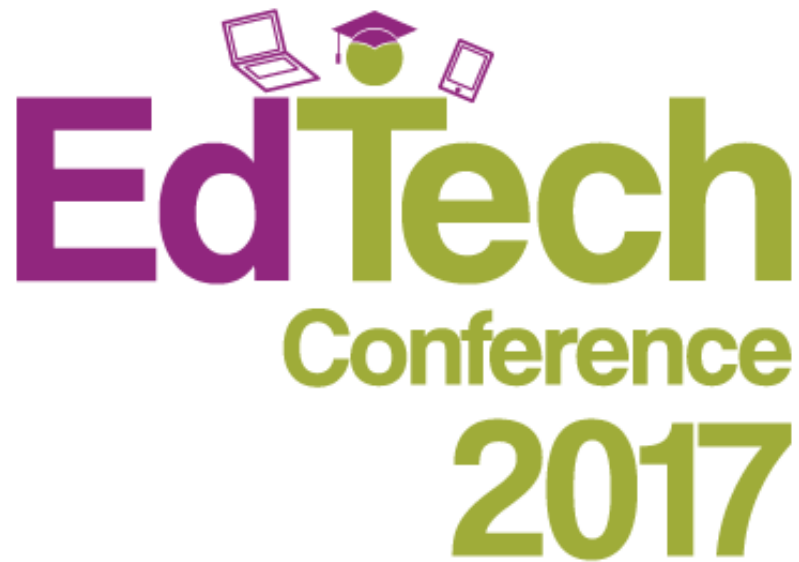
Feedback

www.surveymonkey.co.uk/r/bradfordedtech

Next year's conference June 2018



Bradford

The logo for the EdTech Conference 2017. It features the word "EdTech" in a large, bold font, with "Ed" in purple and "Tech" in green. Above the letter "i" in "Tech" are three icons: a laptop, a graduation cap, and a smartphone. Below "EdTech" is the word "Conference" in a smaller green font, and "2017" in a very large green font.

EdTech
Conference
2017

smoothwall

The Web You Want

The logo for curriculum innovation. It features the word "curriculum" in a small green font above the word "innovation" in a larger purple font. To the left of "innovation" is a stylized graphic of a globe with purple and green lines. Below the text is the website address "www.ticbradford.com".

curriculum
innovation
www.ticbradford.com



City of
BRADFORD
METROPOLITAN DISTRICT COUNCIL