

Assessing Coding

Coding & STEAM 2019

Mr Daniel Hickmott & Dr Elena Prieto-Rodriguez

Week 2: Teaching Coding with Scratch

8th August 2019

Assessing Coding

- Unplugged
- Multiple Choice Quizzes
- Debug Its
- Dr Scratch

Unplugged

- Tasks and worksheets for students to complete outside of Scratch
- Examples from Scratch website: [Scratch worksheets](#)
- We will look at some more examples (some not related to Scratch) as we move through the program

Unplugged: Bebras 365

- **Bebras** (the Lithuanian word for Beaver)
- A bi-annual challenge for students from Years 3 - 12
- You can sign up your class and take part in the challenges
- Past challenges and questions are available (without an account) on [Bebras 365](#)

Multiple Choice Quizzes

- Multiple Choice Quizzes (MCQs) are commonly used for assessing **Computational Concepts**
- Could use platforms like Kahoot! or similar Quiz websites

MCQs: Project Quantum

- **Project Quantum:** A large question bank
 - Not just **Coding** and **Computational Thinking**
 - general **Digital Literacy** as well
- Involves registering a Diagnostics Questions account
- Computing at School is one of the main contributors

Debug Its

- [Scratch programs](#) that are not working correctly
- Students try and find the cause of the problem and fix them ([debugging](#))
- There are Studios of [Debug It](#) problems online:
 - [Creative Computing Unit 1 \(Exploring\) Debug It! Studio](#)

Dr Scratch

- Online tool for automatic assessment of Scratch programs
- Analyses a Scratch program and gives mark out of 21
- Not ideal for measuring students' understanding
- Tool to support reflection and self-evaluation

Assessing Coding

- We have quickly looked at some different approaches for assessing Coding
- In this program you will learn more about these approaches as we progress through the weeks
- We have included links to the different resources, so that you can explore these resources for assessing Coding