Using SIRI to introduce a text-based programming language

DFE Computing Curriculum Subject Content Covered:

Key Stage 3 Subject Content:
· design, use and evaluate computational abstractions that model the state and behaviour of real-world problems and physical systems.
· use two or more programming languages, at least one of which is textual

Resources and Preparation:

Clip of SIRI-first 40 seconds to start
http://www.youtube.com/watch?v=PDpRg81UHy0

http://scratched.media.mit.edu/sites/default/files/Scratch%20Beginner%20001.pdf   Hello , what is your name, Print your name

Python 3 examples of basic programs using Print, Input

http://speedy.sh/QEWbZ/CARDS.pptx

see Powerpoint with outline of cards for dual code in Scratch and Python

Lesson Outline:

Prior experience of programming Scratch will be required for this activity.

Open the lesson with a Youtube video of 'Siri' with a discussion of what the command is ? response ?
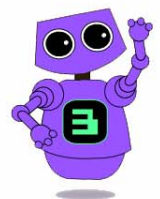
Introduce simple program with print command in Python

Pupils try alternative commands and syntax with errors to show precision requirements
Pupils then use Cards with two versions of coding to run Python code (with Scratch equivalent) Variables

This lesson would best suit...

Gender Neutral/Socio-Economic (Python is free)

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