



Title: **Computational Thinking in the English National Curriculum**

Presenter/s: Rowan Roberts, Sarah Horrocks

Language: English

Agenda:

8:30 – 9:30: Registration

9:30 – 11:00: Session 1 / How and why computing has become a new curriculum subject in England, and the impact it has had on teaching and learning.

11:00 – 11:30 Coffee Break

11:30 – 13:00: Session 2 / A range of fun games and activities designed to teach computational thinking skills without the use of technology

13:00 – 14:00: Lunch

14:00 – 15:30: Session 3 / Learning to program can be daunting, and before attempting to write a complicated piece of code it's important to understand what it all means. This session will show how, without even testing a piece of code, it's possible to use logical thinking to work out what it does. This understanding can then be used to design and create your own.

15:30 – 16:00: Coffee Break

16:00 – 17:30: Session 4 / Practical programming

Using a range of software we will apply the computational thinking concepts we have acquired throughout the day to design and create our own pattern drawing programs.