Computational Thinking strategies

Sarah Hobson, Australian Curriculum, Assessment and Reporting Authority
Shane Byrne, Australian Curriculum, Assessment and Reporting Authority

Participants will:

- Unpack the Computational Thinking skills in the Digital Technologies curriculum (presentation)
- Develop a deeper understanding of computational thinking through scaffolded unplugged and activities including:
  - different types of computational thinking skills
  - sequencing as the first step in algorithmic thinking
  - visual programming languages and simple algorithms in a geometric context
  - how choice (branching) works in algorithmic thinking
  - how data can be useful to teach concepts across learning areas
  - how computational thinking can be used to support literacy and numeracy
- Understand ways computational thinking could be used in everyday teaching and learning activities (discussion)