

Computational Thinking

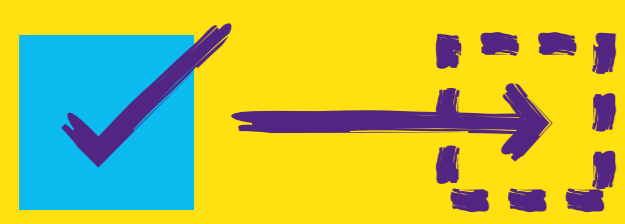
We're all computational thinkers here!

When you think about it, whether we're parents, pupils or teachers - we're all natural computer scientists, capable of computational thinking.

Our brains, like computers, process, debug and make simple algorithms every day!

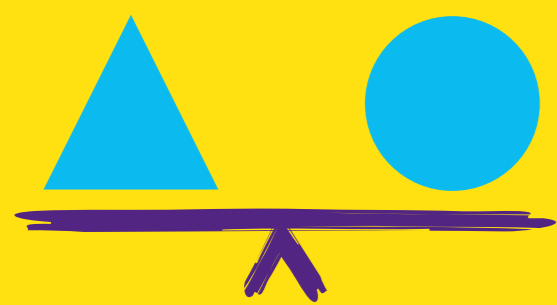
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Concepts



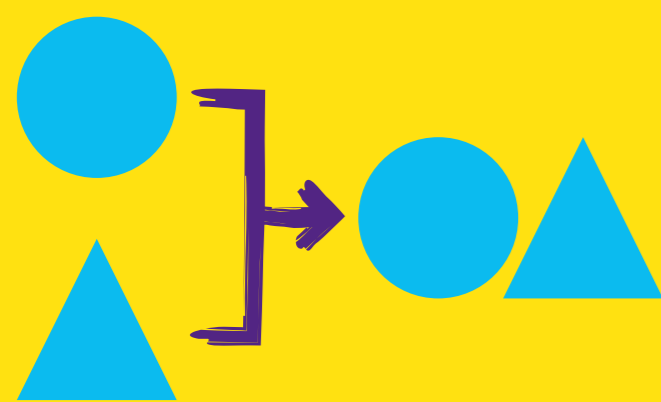
Logic

Predicting and analysing



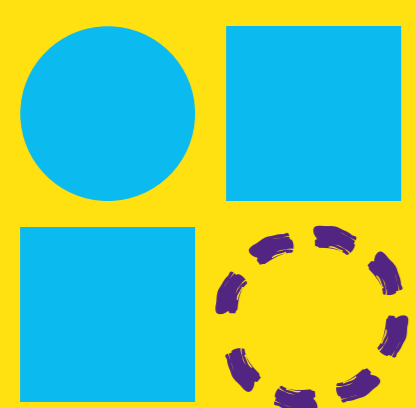
Evaluation

Making judgements



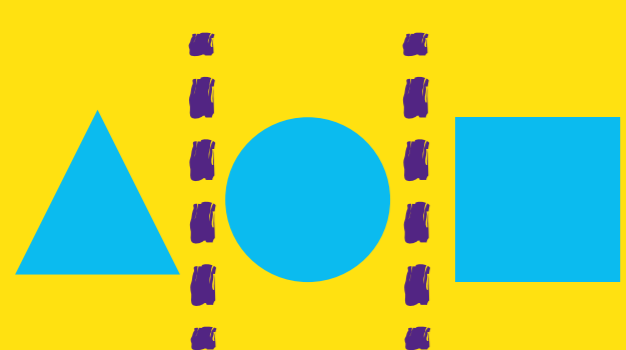
Algorithms

Making steps and rules



Patterns

Spotting and using similarities



Decomposition

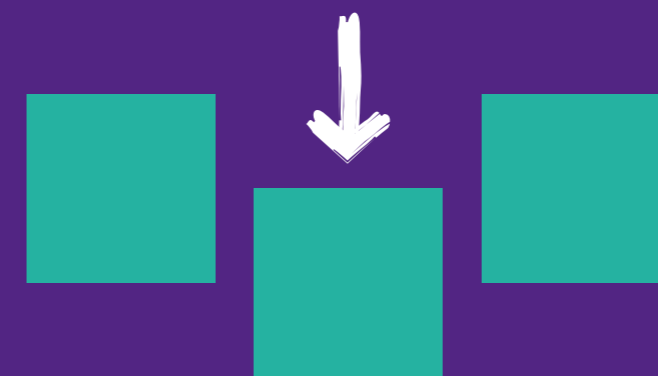
Breaking down into parts



Abstraction

Removing unnecessary detail

Approaches



Tinkering

Changing things to see what happens



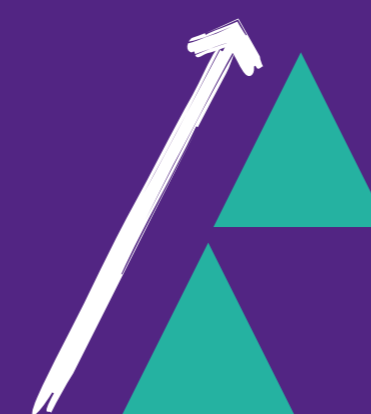
Creating

Designing and making



Debugging

Finding and fixing errors



Persevering

Keeping going



Collaborating

Working together

Principal partners

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