

# The Computational Thinkers

Early Years

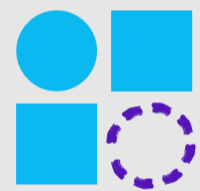
## Concepts



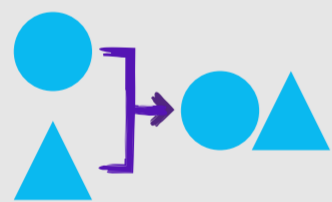
**Logical Reasoning**  
anticipating and explaining



**Abstraction**  
working out what is important  
and ignoring what is not important



**Pattern**  
comparing, spotting  
similarities and differences

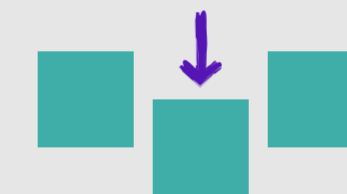


**Algorithms**  
instructions and sequencing

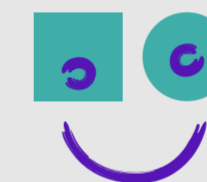


**Decomposition**  
breaking problems down into steps

## Approaches



**Tinkering**  
playing and exploring



**Creating**  
making things, checking  
things and fixing things



**Collaboration**  
playing and working  
cooperatively



**Persevering**  
not giving up



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.

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