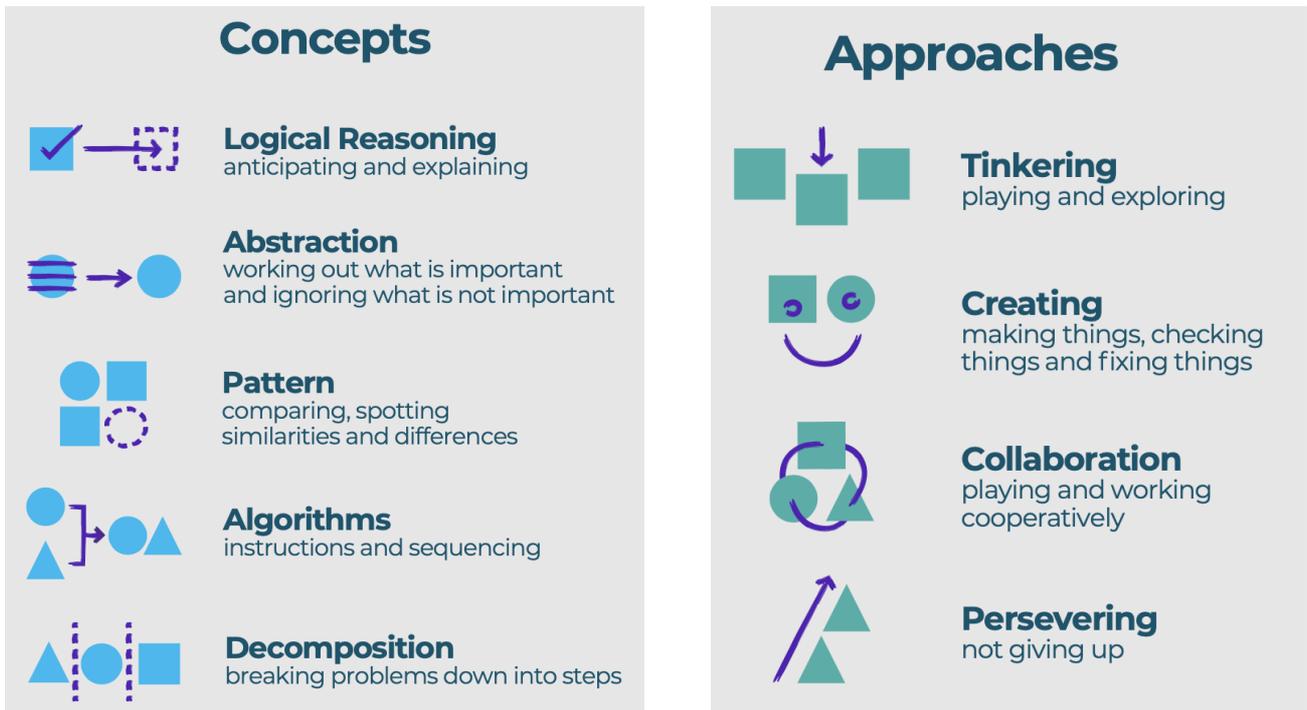


Computing in the Early Years Foundation Stage

Computing and technology are still vitally important subjects to deliver to Reception children. We want our children to enter Year 1 with a strong foundation of knowledge and will also ensure that children develop listening skills, problem-solving abilities and thoughtful questioning. In the Early Years, we use the resources from 'Barefoot Computing' based around computational thinking concepts and approaches.

What is Computational Thinking?

'Computational Thinking' is a set of problem-solving skills that we can use in everyday life.



Cross-reference of the EYFS

Computational Thinking to Characteristics of Effective Learning

	Playing and Exploring	Active Learning	Creating and thinking critically
Tinkering	✓	✓	
Creating			✓
Collaboration			
Persevering	✓	✓	
Logic	✓		✓
Pattern	✓		✓
Abstraction	✓		✓
Algorithms and decomposition	✓		✓

EYFS Overview of Units

Term	Unit	Curriculum links	Concepts and approaches
Autumn	<p style="text-align: center;">AWESOME AUTUMN</p>  <p>Three Autumn themed activities which see the children explore patterns in Garlands Galore, create a leaf labyrinth and make Pumpkin Soup using computational thinking skills.</p>	Early Years	Creating, Pattern, Logic, Algorithms, Decomposition, Collaborating
Spring 1	<p style="text-align: center;">BUSY BODIES</p>  <p>Provides four activities that help children discover how bodies move and grow. Using the resources provided they explore and learn about parts of the body, growth and movement.</p> <p>Simple algorithms are created and adapted to form a routine of movements.</p>	Curriculum Links: PSHE, English, Science	Algorithms, Decomposition, Debugging, Logic, Patterns, Abstraction
Spring 2	<p style="text-align: center;">BOATS AHOY</p>  <p>Takes children on a journey of discovery as they investigate boats. Four activities make up this set of resources. Includes different uses of boats, floating and sinking predictions, creating a good boat through exploring designs and role play.</p>	Science, Maths, English, D&T	Algorithms, Decomposition, Creating, Tinkering, Logic, Patterns, Abstraction, Collaborating
Summer	<p style="text-align: center;">SUMMER FUN</p>  <p>Children explore their surroundings and get creative, take a journey and make a map, and discover seaside tangrams, in these three fun activities.</p>	Science, Maths, English, D&T	Tinkering, Persevering, Patterns, Logic, Decomposition, Debugging, Collaborating, Algorithms