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Introduction

This booklet aims to help the teacher identify and realise the potential of OCTOPLAY as a means of enabling children to develop their mathematical, spatial awareness and design technology capability.



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The Octoplay Range

The OCTOPLAY range of components;



Connecting OCTOPLAY components together



- 1. Simply slide 2 Octoplay Flats together
- 2. Connect an Octoplay Flat and a Twin Disc
- 3. Slide a Strut through an Octoplay Flat
- 4. Push a Strut onto a Single or Twin Peg

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Using Octoplay

OCTOPLAY is a simple construction system, designed with younger children in mind, to promote an exploratory and creative approach to the development of certain mathematical and technological capabilities.

Connecting the components together will help the children to improve their fine motor coordination and offer opportunities for them to communicate their ideas in a physical and creative way.

Developing an Understanding of Mathematics

The children can be encouraged to use the components in sorting and sequencing activities as a prelude systematic planning of D&T.

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People



- Can you make different people using other shapes from the range?
- □ Can you build short people?
- □ Can you build tall people?

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Crown

□ You will need 16 to start with (8 each of 2 colours)



- □ How many different patterns can you make?
- □ Can you make the patterns repeat?
- Try making Crowns with repeating patterns which; have different numbers of each of the colours use three colours use all four colours

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How high can you go?

You will need





- □ How tall can you build your tower before it topples over?
- □ Use other Octoplay pieces to make it more stable.
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How wide can you go?



- □ How much wider can you go before the tower topples over?
- □ How important is symmetry?
- □ Can you build a balanced tower which isn't symmetrical?

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Rocket



- □ How will you do this?
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Buggy



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Roundabout



- □ How long can you make the arms of the roundabout?
- Do all the arms need to be the same?
- □ Can you make plasticene people to sit on your roundabout?

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Octopus

You will need



- □ Can you make the octopus so that each of the legs is different?
- □ How many of the legs must touch the ground?
- □ How high can the legs go?

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