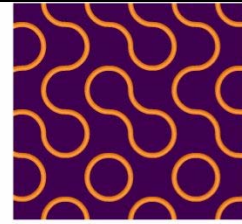




## Module Information Sheet



## Shape Cloning

### A Brief Description

This problem solving learning module challenges children in their understanding and handling of Shape and Space. Using reasoning and logical thinking, they need to predict the outcomes of their actions as they use rotation to clone apparently simple patterns on the screen.

With ten levels of difficulty, this module can be easily set to challenge the ability and concentration of every individual.

### Tips on using “Shape Cloning”

1. The opening sequence shows the user how the simple shapes rotate to form new intricate patterns.
2. Setting the level of difficulty affects the size and complexity of the puzzle.
3. Click on the loops on the main screen to rotate them.
4. You are given a countdown of how many moves remain available for you to solve the puzzle.
5. A restart button allows you to reset the main screen.
6. A further button makes it simple to change the level of difficulty.

### Curriculum Information

#### **The National Curriculum in England for Mathematics (KS1 & KS2)**

Ma3: 1b, 1c, 3a, 3b.

#### **The Scotland 5-14 Guidelines for Mathematics**

Shape, Position and Movement: Level B, C, D.

#### **The Northern Ireland Curriculum for Mathematics**

Shape and Space –

Exploration of Shape: a, c.

Position, Movement and Direction: a.

#### **The National Curriculum in Wales for Mathematics (KS2)**

Ma3: 1.1, 2.1.