

### JUNIOR AND SENIOR INFANTS: USING BEEBOTS TO PROMOTE COLLABORATION AND ACTIVE LISTENING

#### BACKGROUND

The children are experiencing use of directional language and writing code in the form of directional arrows using whiteboards and markers.

They have experience of working collaboratively in small groups.

#### TASK

In small groups the children design and build a road or maze for their BeeBot to travel on. They create an algorithm to bring their BeeBot through the maze or down their road.

They discuss and actively listen to each other to predict and run their BeeBot to complete the task.

#### CHILDREN'S WORK

The children played (tinkered) with their BeeBots in order to discover how the controls worked. They shared their findings with the whole class group and compared what happened to their BeeBot when they programmed it.

They talked about how their BeeBot worked and their previous experience of writing code using arrows on the white board.

The children discovered, through trial and error, that they needed to debug their algorithms for their BeeBots to successfully navigate through the mazes.

