



The number I think of...



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This activity focuses on making different algorithms for other children to follow. The children draw routes with arrows on a paper – how the Blue-Bot comes from start to the item chosen.

All of the group members chose a number on the map and draw a route with arrows from start to the number. Group members swap their sheets with routes to each other. Program the Blue-Bot with the algorithms and see if it stops on the number that was thought of.

Progress:

Children should have prior experience with using and programming the bluebots. Children should work in small groups to promote team-work and communication skills.

Variations:

- The number of squares can be varied

What type of resource is this?

Picture:

2	9	17	35
44	13	51	23
72	8	64	19
19	82	96	78

Resources required:

- Blue-Bot/bee-bot for each group
- Clear vinyl cover with pre-drawn squares 15X15 cm.
- Cards with numbers, letters, words, geometric figures, animals etc.

This activity focuses on:

- Create and making algorithms
- Calculate a route
- Debugging
- Collaborative working

Estimated time: 30 – 90 minutes