

Basic Movement

Using view by rotations/degrees to map movement

Challenge:

- The Bot will travel completely around the outside boundary of each chosen shapes.

Directions:

- Divide into teams
- Team members pick challenge shapes
- Using knowledge and skills concerning basic movement, create a task list needed to complete shapes
- Write program
- Complete program
- Test - Tweak - Test - Tweak...

Rules:

- Teams must decide together who will make which shapes.
- All bots will need to finish in the middle of their shape.
- While traveling to center of shape, bots will make a stream of sounds until bot arrives at center.
- Upon reaching center bot will show a 3 sec. display.

Extra:

- Start bot at the same time
- Retrace pattern
- When bots finish - return to owner

Making Super Shapes

Autonomous Robot Activity