## Position and Direction: Tile Turns

## Aim:

Describe position, direction and movement, including whole, half, quarter and three-quarter turns.

I can move a quarter, half turn, three-quarter turn and whole turn.

## Success Criteria:

I can turn in a full circle.
I can move a quarter turn.
I can move a half turn.
I can move a three-quarter turn.
I can complete patterns using turns.

## Key/New Words:

Quarter turn, half turn, three-quarter turn, whole turn, full turn, pattern, sequence, position, left, right, above, below.

| Resources: |
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| Lesson Pack |
| Mini whiteboards and pens - class set |
| Scissors and glue |
| Sticky notes |
| Preparation: <br> Differentiated Tile Turns Activity Sheet - 1 <br> per child |
| Tiling Together Cards - 1 per pair, laminated <br> and cut out |

## Resources: <br> sson Pack

Mini whiteboards and pens - class set

Scissors and glue
Sticky notes

## Preparation:

Differentiated Tile Turns Activity Sheet - 1 per child

Tiling Together Cards - 1 per pair, laminated and cut out

| Prior Learning: | It will be helpful if the children have had plenty of experience of making and completing patterns. For example, threading beads <br> to make a patterned necklace; using stamps to make a repeated wrapping paper design; cutting strips of paper to make a stripy <br> zebra picture and gluing coloured squares to make a simple chequered tessellation. |
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## Learning Sequence

Left and Right Mice: Ask the children to watch out for the mice about to scurry across the screen on the Lesson
Presentation. They must work out the direction each mouse is travelling to. The children can call out, show their
answers by holding up their left or right hand or write 'L' or 'R' on their whiteboard.

## Masterit

Tileit: Provide children with some small mosaic tiles in various colours and designs to explore their own patterns and turns. Ask parents to donate any spare tiles they may have at home or ask a local tile shop to loan out any surplus tiles they may have stored as samples. Check there are no sharp edges and provide the children with gloves for protection.
Bakeit: Make some square-shaped biscuits and ask the children to decorate them following a particular design. When the biscuits have cooled, ask each child to place their biscuit on a tray in an agreed position to make an edible patchwork pattern.
Exploreit: Ask the children to use two different tile designs from the Tiling Together Cards to create the most interesting pattern possible. Ask them to describe the turns used in their arrangement.

