# 3-4 years Spatial Reasoning Toolkit

At this age children are developing understanding of aspects of shape and space including composition (how shapes fit together), movements like turning and flipping, symmetry and scale. Children are beginning to recognise and predict familiar routes (e.g. to the park).



# **Puzzles**

Moving, turning and predicting how pieces will fit



#### **Books**

Using spatial language



#### Obstacle courses

Experiencing and talking about directions



### Small world play

Understanding position and direction



## **Block play**

Using size and shape relationships as well as parts and whole to select blocks for specific purposes/ structures



#### **Out and about**

Remembering and predicting routes, landmarks and directions, discussing perspectives and distance



#### Pattern making and spotting

Arranging objects to make spatial patterns (position), noticing spatial patterns including symmetry in everyday objects



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https://doi.org/10.31234/osf.io/jnwpu https://earlymaths.org/spatial-reasoning/

