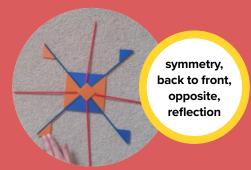
# **6-7 years**Spatial Reasoning Toolkit

At this age children are developing their ability to visualise what objects will look like from different viewpoints (including from above). They are beginning to use the correct relative distances to create scaled models and maps and can decompose shapes in different ways (e.g. predicting nets and cross—sections). Children are also developing their ability to visualise transformations (e.g. predicting half-turn rotations, or predicting the path and distance of travelling objects).



## Paper folding and nets

Developing shape composition and decomposition through visualisation and prediction



# Pattern making

Understanding symmetry (rotational and reflective)



#### **Books**

Developing navigation through acting out and discussing journeys and directions



## **Ball games**

Predicting path and distance



# Small world play

Developing complex scaled environments and interpreting what characters may see



#### Construction

Beginning to use exploded diagrams to construct models



### Puzzles & pattern blocks

Predicting what shapes will look like after being rotated/flipped/combined



#### **Maps**

Developing navigation, and understanding of scale



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

