

## Core Skills Analysis

### Art and Design

- Explored the principles of mosaics by assembling small pieces to create a larger design.
- Developed fine motor skills through the careful placement of individual mosaic pieces.
- Learned about color coordination and pattern creation as part of designing the coaster.
- Gained understanding of texture and materials through handling different mosaic tiles or materials.

### Mathematics

- Practiced spatial reasoning by arranging shapes to fit within the coaster's boundaries.
- Experienced concepts of geometry, such as shapes, symmetry, and tessellation.
- Understood measurement basics by sizing pieces to cover the coaster evenly.
- Developed problem-solving skills by adjusting placement to complete the mosaic effectively.

### Personal, Social, Health and Economic Education (PSHE)

- Built patience and perseverance by working carefully on a detailed and time-consuming task.
- Expressed creativity and self-identity through personal design choices.
- Experienced satisfaction and pride from completing a tangible, usable art piece.
- Practiced decision-making when selecting mosaic patterns and colors.

### Tips

To deepen the learning experience from making a mosaic coaster, encourage the child to explore different mosaic styles from around the world, such as Roman or Islamic mosaics, discussing their cultural significance. Introduce concepts of symmetry and geometric patterns by designing their own templates beforehand. Incorporate math by measuring and calculating the area of their coaster, comparing different shapes or sizes. Finally, reflect together on the crafting process, highlighting patience and problem-solving skills to build confidence in tackling complex projects.

### Book Recommendations

- [Mosaics for Kids: Simple and Fun Projects for Ages 6-12](#) by Lia Griffith: A colorful guide with easy mosaic projects designed especially for children, encouraging creativity and fine motor skills.
- [Math Art: Hands-On Math Activities for Grades 3-5](#) by Marion Walter: Connecting math to art, this book includes activities involving patterns, shapes, and mosaics perfect for stimulating spatial reasoning.
- [The Art of Mosaic: Inspiring Projects and Creative Techniques](#) by Sophie Rowley: Introduces the history and techniques of mosaic making with accessible projects for young learners.

### Learning Standards

- Art and Design (KS2): Use a range of techniques and media, experimenting with shape, pattern, texture, and colour. (DfE 2014)
- Mathematics (KS2 Geometry): Draw 2-D shapes and make 3-D shapes using modelling materials; recognise angles and symmetry. (DfE 2014)
- PSHE (KS2): Develop self-confidence and self-awareness; make responsible decisions; appreciate the process of perseverance to complete projects. (PSHE Association Guidelines)

### Try This Next

- Worksheet: Design your own mosaic pattern template using graph paper to plan shapes and colors.

- Quiz: Identify geometric shapes and symmetry in various mosaic art styles worldwide.