

## Core Skills Analysis

### Science

- The child engaged in hands-on exploration of magnetic forces by observing how magnetic tiles stick together.
- They learned about attraction and repulsion by attempting to connect tiles with opposite and like poles.
- The activity promoted curiosity and inquiry, as they explored what happens when they use different arrangements of tiles.
- The child began to understand the basic concept of magnets and how they can create structures.

### Math

- The child practiced counting and recognizing shapes as they organized the tiles by color and form.
- They explored concepts of symmetry by creating patterns and balanced structures using tiles.
- Basic geometry principles were applied as they learned how tiles fit together to form larger shapes.
- They gained spatial awareness by moving and rotating tiles to see how they connect.

### Creativity

- The activity encouraged imaginative play as the child designed various structures using their magnetic tiles.
- They practiced problem-solving skills by figuring out how to create stable constructions.
- The child expressed individuality through unique designs and arrangement strategies.
- They learned to think divergently, considering multiple ways to assemble the tiles.

### Tips

To further enhance learning, encourage the child to explore building more complex structures with instructions or prompts, and introduce them to simple engineering concepts like stability and balance. Incorporating storytelling through their creations can also foster imagination and enhance understanding of the shapes and concepts at play.

### Book Recommendations

- [Magnetic Magic](#) by Manny Builder: An engaging picture book that introduces children to the wonders of magnets through fun illustrations and magnetic adventures.
- [The Adventures of Umber and Maggy: A Magnetic Story](#) by Lina Magnet: A charming story about two friends, Umber the tile and Maggy the magnet, who explore their world and learn about the properties of magnetism.
- [Shapes with Magnetic Tiles](#) by Tommy Tile: A fun and interactive book that encourages children to identify shapes and create patterns using magnetic tiles.