

- Art:
 - Gained an understanding of the use of lines and shapes in circuit diagrams.
 - Explored the combination of different colors to represent different components in the circuit.
- Math:
 - Learned about the concept of resistance and how it affects the flow of electricity in a circuit.
 - Practiced basic math skills while calculating voltages and current in the circuit.
- Science:
 - Developed an understanding of the flow of electricity and the concept of a closed circuit.
 - Explored different circuit components such as batteries, resistors, and light bulbs and their roles within a circuit.
- Social Studies:
 - Explored the historical significance of electricity and its impact on society.
 - Learned about famous inventors and scientists who contributed to the development of electrical circuits.

Continued development related to this activity could involve:

- Providing opportunities for the child to build physical circuits using electronic components and tools.
- Encouraging them to research and present on the history of electricity or specific inventors and scientists in the field of electrical circuits.
- Integrating art and creativity by having them design and create their own unique circuit diagrams.
- Exploring more complex concepts related to circuits, such as parallel and series circuits, and engaging in hands-on experiments to observe their effects.