Art

- The student learned about 3D construction and form by creating the igloo using marshmallows and toothpicks.
- They explored the concept of texture as they used the different materials to build their igloo.
- Color theory was incorporated as they chose different colored marshmallows or used food coloring to create patterns within their igloo.

History

- The activity provided an opportunity to discuss the significance of igloos to certain historical cultures and how they were constructed.
- They learned about the Inuit people of the Arctic and how igloos were traditionally used as shelters in their culture.
- They explored the concept of architectural design through the examination of traditional igloos and their construction.

Physical Education

- The hands-on construction of the igloo promoted fine motor skills and hand-eye coordination.
- They engaged in physical activity through the movement and dexterity required to build the structure.
- The activity encouraged teamwork and collaboration as they worked together to construct the igloo.

Science

- They learned about engineering principles as they constructed a stable igloo structure using marshmallows and toothpicks.
- The concept of insulation could be introduced as they discuss how igloos provide warmth in icy environments.
- They explored the properties of materials as they observed the strength and stability of the marshmallow and toothpick structure.

Social Studies

- The student gained an understanding of cultural diversity through learning about the Inuit culture and their use of igloos.
- They learned about the geography of the Arctic region and the significance of igloos to the people living there.
- The activity provided an opportunity to discuss environmental sustainability and the Inuit's connection to their natural surroundings.

Continued development related to this activity could involve exploring different materials, such as modeling clay or building blocks, to construct more elaborate structures. This can further enhance their understanding of form, design, and engineering principles.

Book Recommendations

- The Story of the Igloo by Sarah L. Thomson: A beautifully illustrated book that provides an engaging introduction to the history and cultural significance of igloos.
- Making Igloos and Other Snow Shelters by Harald SchÃ¼tzeichel: This instructional book offers insights into the construction and design of various snow shelters, including igloos, allowing children to explore the engineering aspects in more detail.