Core Skills Analysis

Problem Solving

- The student demonstrated critical thinking skills by strategizing on how to build the bridge efficiently to accommodate as many bears as possible.
- Through trial and error, the student learned the importance of testing different bridge designs to see which one could hold the most weight.
- The activity helped the student understand the concept of problem-solving through a hands-on approach, encouraging creativity and innovation in finding solutions.
- By engaging in this activity, the student practiced resource management by utilizing the limited materials available to construct the bridge for the bears.

Tips

Encourage the student to explore different materials for bridge-building, such as popsicle sticks, straws, or clay, to enhance their creativity and problem-solving skills. Encourage them to set challenges like building a bridge that can hold a certain number of bears to further develop their critical thinking and engineering abilities.

Book Recommendations

- Rosie Revere, Engineer by Andrea Beaty: Follow Rosie as she learns that failure is an essential part of innovation and engineering in this inspiring story.
- Iggy Peck, Architect by Andrea Beaty: Join Iggy as he showcases his architectural talents and problem-solving abilities in a fun and engaging tale.
- The Most Magnificent Thing by Ashley Spires: Experience the journey of a young girl who learns the value of perseverance and creativity while trying to build the most magnificent thing.