



PREPARATION

THEME: BRILLIANT BRIDGES

MYSTERY BAG

BUILDING BLOCK OR BRICK

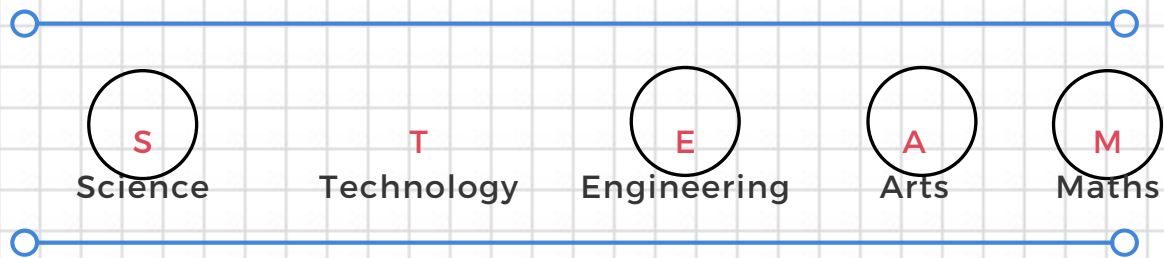
EXPLORATION RESOURCES

- TOY CHARACTERS EG DUPLO, SYLVANIANS ETC.
- BUILDING BLOCKS/DUPLO
- CARDBOARD
- PILE OF HARDBACK AND SOFTBACK CHILDREN'S BOOKS
- OPTIONAL OTHER BRIDGES:
 - CRAFT STICKS AND TAPE
 - STRAWS AND TAPE
 - CUPS AND CRAFT STICKS
 - ANY JUNK MODELLING MATERIALS



EXPLORATION

THEME: BRILLIANT BRIDGES



Questions/Ideas:

Basic Bridges: Where do the ends of the bridge need to be? How strong is our bridge? How can we test it? What material could be stronger?

Book Bridges: Where should we put the heavy books? What about the lighter books? Make sure they overlap enough! Can we make a wider bridge?

Other Bridges: What else could we use to build bridges? How should we build our bridge?

Testing Strength: How many [characters] will our bridge support? How could we make it stronger?

Improving Structure: Let's make sure the ends of our bridge go far onto each side. Let's make sure our books/blocks overlap enough. Let's make sure the middle of our bridge isn't too heavy.

Learning:

Science: Weight and its effect on structures; Predicting and testing

Engineering: Constructing strong sturdy bridges

Art: Sticking and joining and any decoration

Maths: Weight: heavy/light; Counting

Problem solving: Improving bridges

Creativity: Coming up with new ways to build bridges