

Mathematic Outcomes

Mathematical reasoning is fundamental to the design and construction process.

In the lessons, we have the opportunity to ask mathematical thinking questions such as:

- How would I draw a diagram that shows the area, dimensions, etc. of what we are doing?
- How am I going to collect data to evaluate the design during the testing phase?
- How would I calculate _____?
- How would I calculate the cost of the material we need?

In general we can ask questions that gets the students thinking and probing about the following:

- Dimensions, Shapes, Patterns, Number sense, Colors, Functions Area Grouping/Comparing, Measurements.

Number Sense	Patterns, relationships Algebra	Geometry	Measurements	Data Analysis Statistics, Probability
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