

Can Take You Places

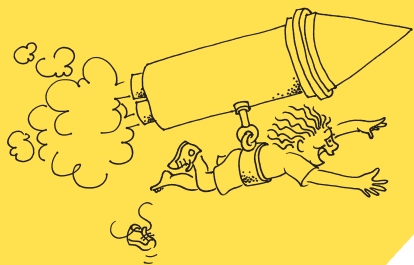
Professional Development Series

Mathematics in Everyday Life

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Ice Breaker Activity



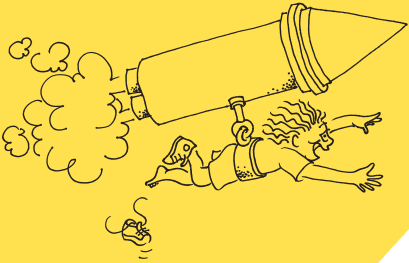
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Mathematics in Everyday Life 2

Session Goals

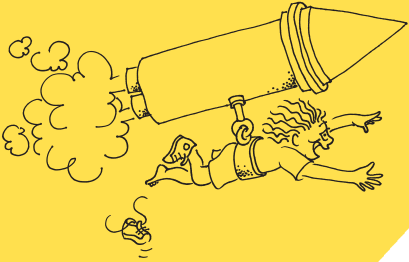
- ▶ Participate in collegial discussions that emphasize connecting mathematics instruction to real-life situations.
- ▶ Investigate practical ways to ensure that students are receiving a variety of experiences related to mathematics in real life.
- ▶ Work collaboratively to design an age-appropriate mathematics lesson focusing on a real-life topic.
- ▶ Share professional expertise.



Questions

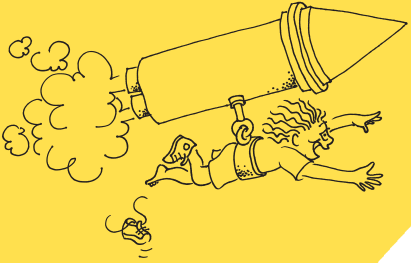
What are some of the responses you would expect from your students if you asked them this question: “What is the purpose of learning mathematics?”

How does establishing relevance enhance instruction in the mathematics classroom?



Video Focus

At the conclusion of the video, be prepared to discuss with your grade level, the Implementation Strategies/ Tips from the video **Mathematics in Everyday Life.**



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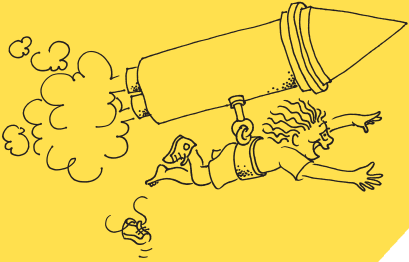
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Real-life Application and Instruction

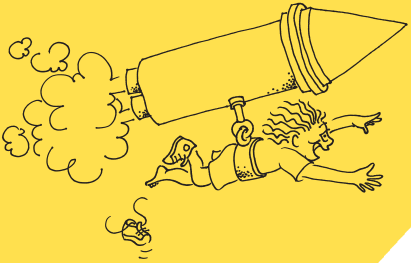
Conceptual Highlights

- ▶ Computation and Estimation
- ▶ Measurement and Geometry
- ▶ Data Analysis and Representation
- ▶ Proportions
- ▶ Reasonableness
- ▶ Problem Solving and Using Mathematical Tools



Implementation Strategies

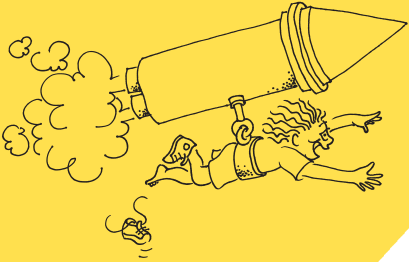
- ▶ Establish a purpose for each concept students will learn.
- ▶ Help students recognize mathematics in real life.
- ▶ Bring in speakers or create mentoring opportunities so students can see math in action.
- ▶ Use math to introduce students to a variety of career possibilities.
- ▶ Introduce new math concepts by posing a problem related to a real-life situation.



Closing Activity

Think about the following question

How can we as a mathematics department or team ensure that students at our school are learning that mathematics is an important part of everyday life?



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