



Exploring Measurement

Teacher Pack



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Materials Needed for the Projects in this Unit

Building a Prototype

- LEGO® pieces in different sizes, shapes and colors
- A timer for each group

Money Around the World Extension (Optional)

- Money from countries around the world (bills and coins)

Measurement Activities

- Rulers with both inches and centimeters (one per group)
- A scale to measure weight in pounds
- A balance to measure mass in grams
- Stopwatches (one per group)



Books About Entrepreneurship and Invention

Note for the Teacher: Gather as many books as you can about entrepreneurship and inventions.

Suggested Books:

An Illustrated Timeline of Inventions and Inventors by Kremena Spengler

Elon Musk: A Kid's Books About Inventions by Mary Nhin

Entrepreneur Kids: All About Money by The Staff of Entrepreneur Media

Entrepreneur Kids: Launch Your Own Business by The Staff of Entrepreneur Media

How to Sell a Rock: A Fun Kidpreneur Story About Creative Problem Solving by K.J.Coy and Umair Najeeb Khan

JT's Big Plan: An Entrepreneur Kid by Tamara Prather

Kane's Big Picture: An Early Intro to Entrepreneurship for Kids by Michael Fernandez Jr.

Kid Start-Up: How YOU Can Become an Entrepreneur by Mark Cuban

Kidpreneurs: Young Entrepreneurs with Big Ideas by Adam and Matthew Toren

Mistakes That Worked: 40 Familiar Inventions and How They Came to Be by Charlotte Foltz Jones and John O'Brien

Starting Your Own Business: Become an Entrepreneur by Adam and Matthew Toren

The Big Startup Guidebook for Kids: A Principle-Based Approach to Entrepreneurship by Nephi Zufelt and Elizabeth M. Zufelt

The Kid Who Invented the Popsicle: And Other Surprising Stories About Inventions by Don L. Wulffson



Zolli Candy Webquest Answer Key



Teacher Notes: Have your students visit the [Zolli Candy website](#). They should explore the website to find the answers to the webquest questions.

1. How are Zollipops different from regular lollipops?

Unlike regular lollipops, Zollipops are actually good for your teeth. They are vegan, all-natural, and sugar-free.

2. How did Zollipops get their name?

Zollipops got their name when Alina's younger sister, Lola, mispronounced the name of one of the teeth-friendly ingredients.

3. What is the Million Smiles Initiative?

It's Alina's mission to save kids' smiles, since tooth decay is America's single most chronic childhood disease.

4. What other products has Alina developed in addition to Zollipops?

She has created Zolli Drops, Zolli Taffy, Zolli Caramelz, and Zolli Gummeez.

5. What type of Zolli Candy would you like to try the most? Why?

Answers will vary.



Becoming an Entrepreneur

Answer Key



Teacher Notes: Show the students the video [PBS Biz Kids Interviews: Creator of Zollipops, Alina Morse](#). Have them answer the questions as they watch it. Use the sample answers to discuss entrepreneurship.

Where did Alina get the idea for Zollipops?

She got the idea when she was at the doctor's office and she was offered a lollipop. Her dad always told her that she shouldn't eat candy because sugar is terrible for your teeth. She wanted to make candy that is actually good for your teeth.

What steps did Alina take to create Zollipops?

- 1. She did research and wrote down her ideas. She researched online and talked to her dentist. She made a list of flavors and colors.*
- 2. She saved money and borrowed some from her dad to buy the ingredients she needed to start making Zollipops.*

What advice does Alina give other kids?

She says to start saving money, even if it's only a little bit. It will accumulate, and eventually you'll have enough to start your own business.

What do you think an entrepreneur is?

An entrepreneur is a person who starts their own business.