

Do you have an idea? Draw or write it here.

*My STEM Stories™*

Introduction to Invention

Did you know that  
ideas are valuable?



STEM  
Inventor:

# Vocabulary

Word	Definition
<b>Brainstorming</b>	Brainstorming is collecting and sharing a lot of ideas to solve a problem.
<b>Creative Thinking</b>	Creative thinking is using your knowledge and things you learn in school to come up with a new idea.

Donovan Tyee Smith, was only 10 and living in Albuquerque, New Mexico, when he started making soaps shaped like food.

At 15 years old, Javier Fernandez-Han from Texas developed a new way to make energy.

At 10 years old, Allie Webber of South Dakota invented a new type of glove that tells you if your fingers are too cold.

Eight-year-old Xóchitl Guadalupe Cruz from Mexico invented a new low-cost water heating device.

**A Picture or Simplified Definition**

# Vocabulary

Word	Definition
<b>Inventor</b>	An inventor is a person who comes up with a new way to solve a problem.
<b>Intellectual Property</b>	Intellectual property is a law that protects inventions.
<b>Entrepreneur</b>	An entrepreneur is someone who turns ideas into a business and then gets to be their own boss!

Chris Hass was just nine years old when he came up with the idea for the Hands On Basketball.

Kiowa Kavovit was 6 years old when she started working on her idea for Boo Boo Goo.

# LET'S MEET SOME KID INVENTORS

At age 12, Brooke Martin of Spokane came up with a new way to stay in touch with her golden retriever.

Maikaila Ulmer, of Austin Texas, was just four years old when she had the idea for her special Me & the Bees lemonade.

A Picture or Simplified Definition

# Ideas and Invention

Barrett has started many other companies.



JD helps other people with their ideas.

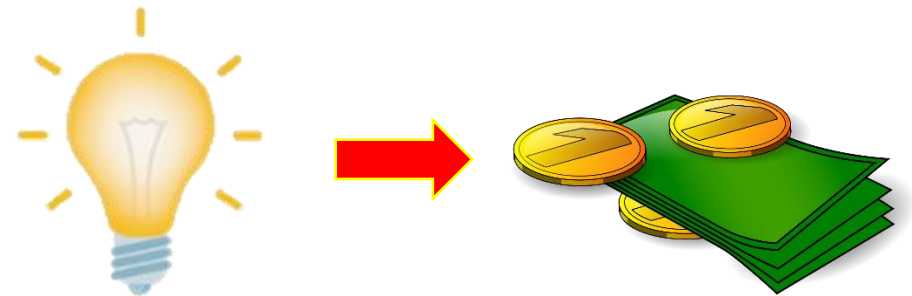
Have you ever had an idea?



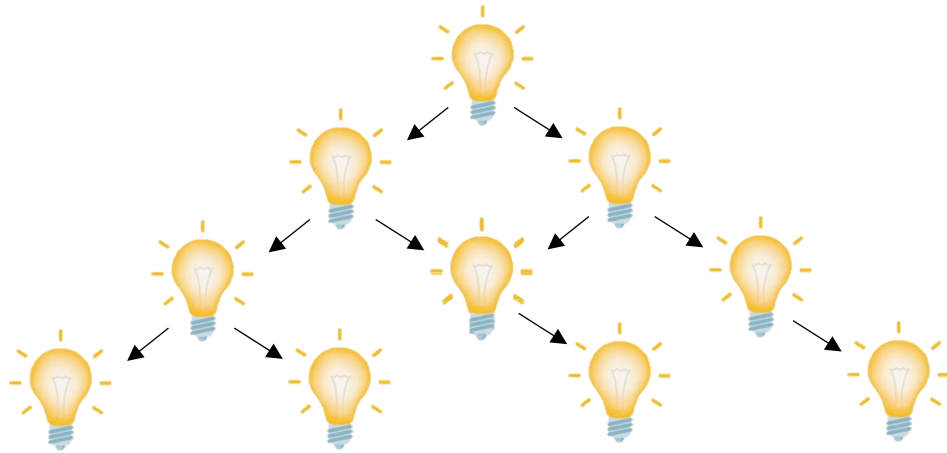
After 10 years Barrett and JD decided  
to try something new.



Ideas are valuable!



People from all over the world came to help them grow their business.



Ideas can create new ideas.

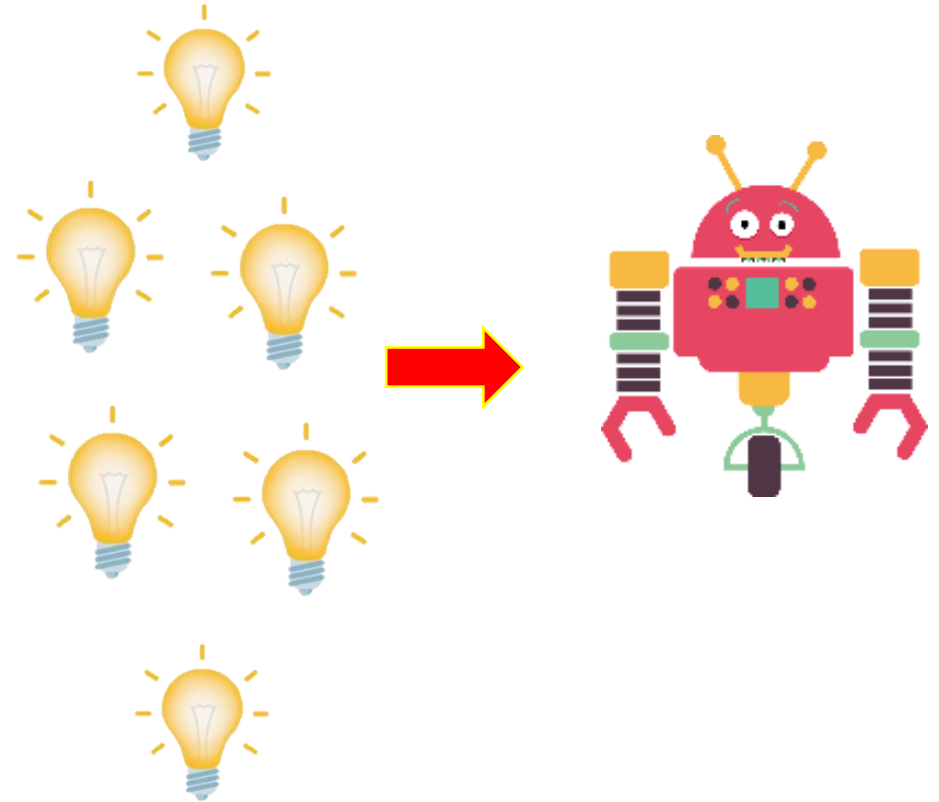


*Barrett, Katharine, and Kim from the E Ink research team.*

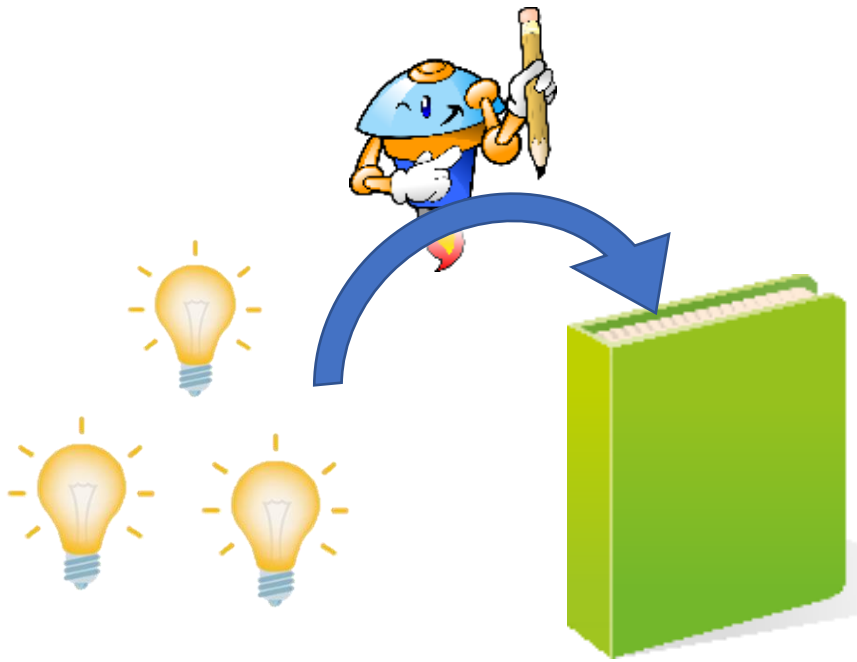


That idea worked!

New inventions need a lot of ideas.



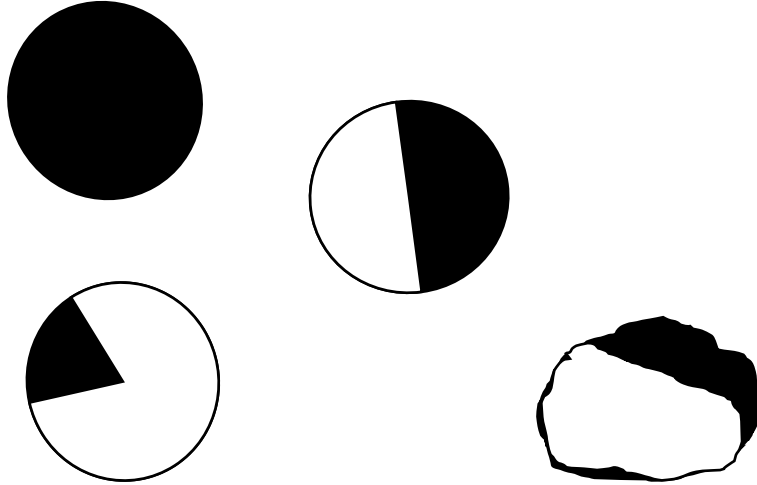
Inventors write or draw their ideas in a notebook.



Then they tried an idea using rubber bubbles and special sand!

Can you imagine rubber bubbles and special sand?

Some ideas they tried did not work.



Some ideas they tried were protected by

**intellectual property laws.**



Your ideas are protected by **intellectual property laws.**

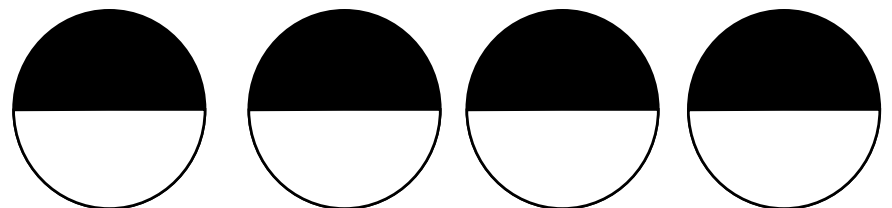
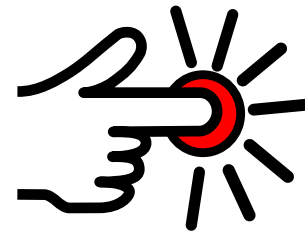
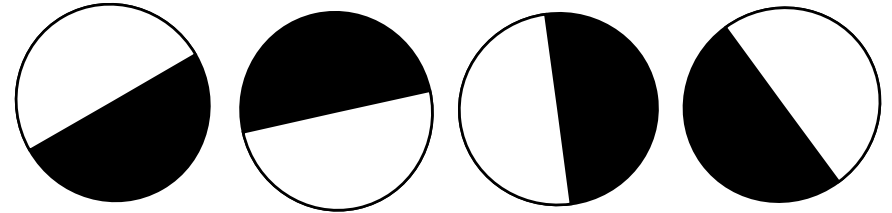


## Discussion

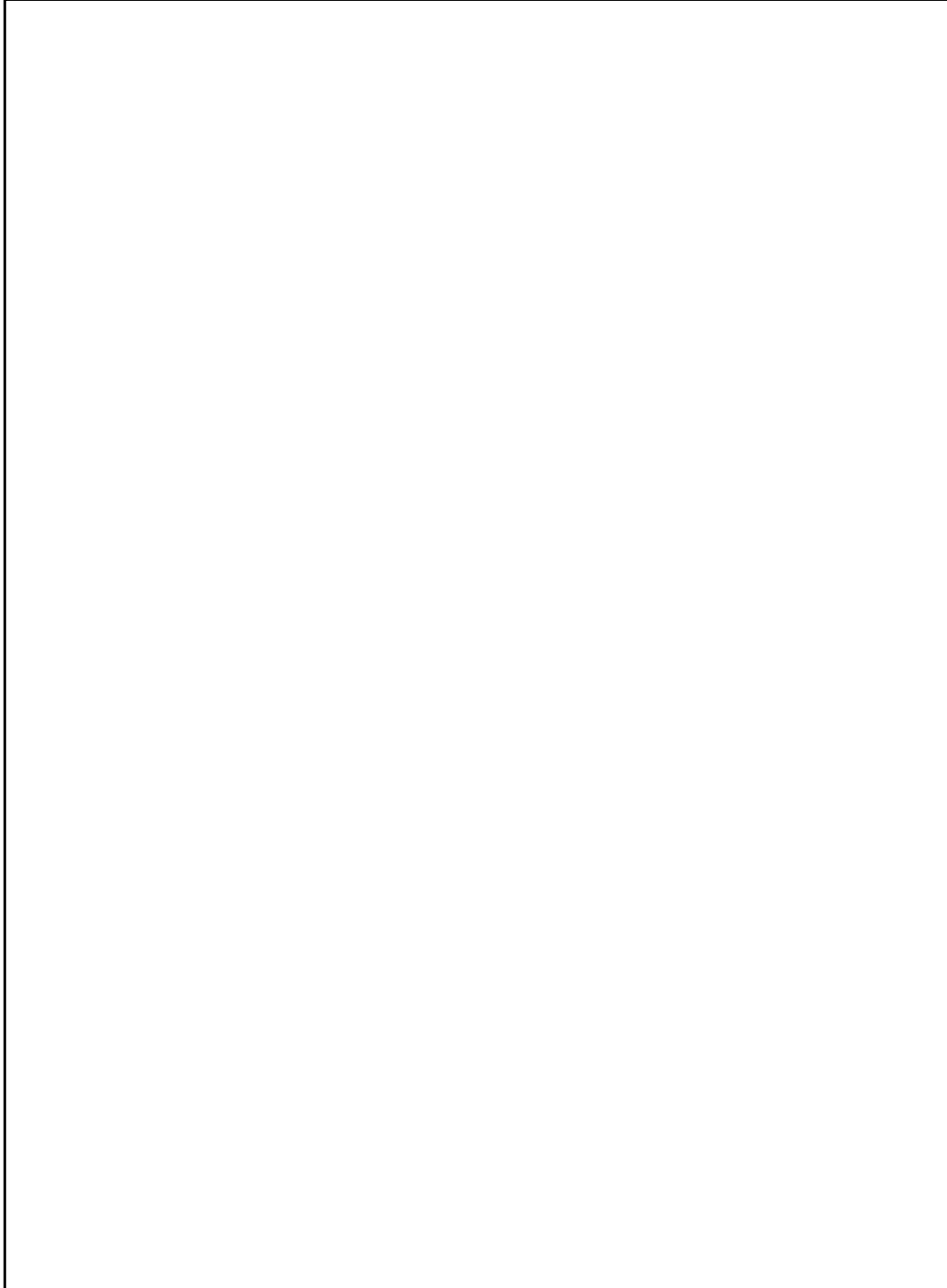
Why is it important to have a lot of ideas?

Draw or talk about what you think.

JD and Barrett tried a lot of different ideas.

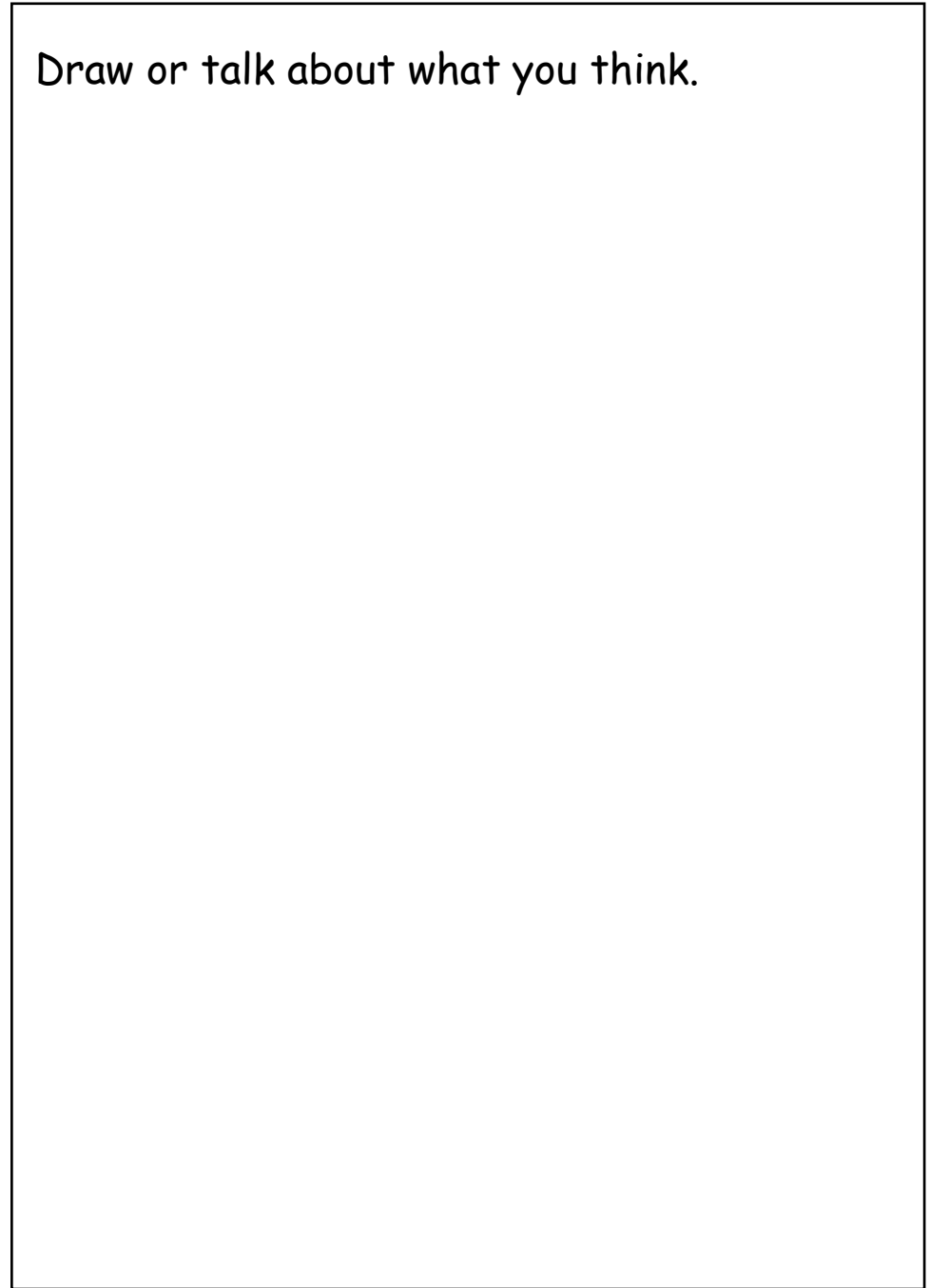


Can you imagine electronic paper?



Ideas are valuable.

Draw or talk about what you think.



# LET'S MEET SOME INVENTORS

**Andrea Sreshta and Anna Stork,  
Co-Founders of LuminAID**



Andrea Sreshta and Anna Stork met at college in New York City.

JD and Barrett wanted to invent electronic paper.



JD Albert and Barrett Comiskey,  
Co-Founders of E Ink

JD Albert and Barrett Comiskey  
met at college.



There was an earthquake in Haiti.



People in Haiti needed help.

Andrea and Anna invented a light that uses energy from the sun.



It was easy to get this light to people in need.



This light is safe and easy to use.

