



# SPARK

## Energy Invention Challenge

**Invention Title:**

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**Inventor(s) Name:** \_\_\_\_\_  
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## Energy Invention Challenge

Over time, people's needs and wants change, as do their demands for innovative and enhanced technology. There is no doubt that inventors like Thomas Edison, Nicola Tesla and numerous others revolutionized the electricity industry and changed the way we all live. In this ever-changing world, we must be open to new ideas. Many of the great, inventive minds that have persisted throughout history opened doors to possibilities that only a few could imagine. Our lives have been vastly improved by inventors that had a desire to create inventions to solve a problem or make the quality of peoples' lives better.

The *SPARK Energy Invention Challenge* is looking for inventions that may be entirely novel and unique or can simply be an improvement of something that is already in existence. As you explore famous energy inventions from around the world throughout history, you will no doubt come across and learn about some of the best inventions of all time.

This challenge will not only allow you to research inventions that have revolutionized energy and the electricity business but it will also further develop your own problem solving and creative thinking skills as you seek ways to develop new forms of clean, renewable energy. In today's world, we are constantly seeking out ways to develop more affordable and efficient energy solutions for our technology driven society.

Most of the population spends countless hours plugged in while working, studying, or being entertained. Have you ever stopped to really think about where all that power comes from, well someone has to! Today, we empower you to use your imaginations as you join thousands of individuals around the world on a quest to develop alternative energy solutions for the future generations, while you become one of the greatest inventors of the future!





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## Energy Invention Challenge Rules for challenge submissions:

- You may choose to work individually or in a group of up to (3) participants.
- You **MUST** keep a journal in a composition notebook written in complete sentences that documents the following:
  - **Brainstorming:**
    - the problem addressed by the invention
    - possible solutions for this problem
    - any sketches or drawings
    - description of the invention
    - explanation of how the invention solves this problem
    - any notes about what you have done or learned while working on your invention
    - any problems that you encountered along the way
    - any research gathered in this process
    - any reflections made about the process
    - PLEASE NOTE:** all entries should be titles and include date of entry
- You **MUST** turn in packet with **ALL** sections completed.
- You **MUST** submit prototype (model) of the invention that does not exceed 3 feet.
- You must be prepared to present an oral presentation (3 - 5 minutes) and answer questions about your invention.
- **BE CREATIVE!**

**Invention Name/Title (see naming the invention guide) :**

**Brief description of your invention:**

**How does it work:**

**What need or problem does your invention address?**

**How did you come up with the idea for this invention?**

**How did you determine that your idea has not been used in the past?**

**Sketch of prototype (what will this invention look like?):**

**List of materials needed:**

**Pictures of completed prototype:**