

# Invention Convention Project

3<sup>rd</sup> Grade Science

Dear Parents,

We are learning about inventions and inventors from the past and present and the process through which inventions are created. As an application of what your student has learned during this amazing science unit, they will learn how to be an inventor themselves and create and present their own unique invention at our annual Invention Convention! As future leaders of our world, this fun opportunity lets your child's problem solving, higher order thinking, and creativity shine through! Our project will be a combination of BOTH at school and at home assignments. The timeline for each step of the process is spelled out below:

## Task 1—Brainstorming (in class)

First, the students will brainstorm, in class, inventions they could create based on problems they have identified. Please use their brainstorming to help them pick which invention(s) they are interested in creating.

## Task 2— Does it Exist? Research (at home)

Students will research at home on the internet to determine if their ideas for inventions have already been invented. If so, they will need to modify, or change, their creation(s) slightly to make sure that they are not copying some else's idea. After researching, please write on the *Parent form* you turn back in which invention your child will be doing. The teacher will give final approval on the project before they begin. **Forms Due Monday, April 15.**

**Task 3—Sketch of Invention and Materials (in class)** We will work out a sketch and details such as how to give their creation a name and also write out a list of materials they will need to create their invention. **If the actual invention ends up being different from their original sketch, that is okay!**

## Task 4—Create and Turn in the Invention and Presentation Board for the Invention Convention (at home) Due Tuesday, May 7

Next, the students will ACTUALLY CREATE the invention they have thought up! The invention DOES NOT actually have to work. This project does not require you to spend any money, with the exception of the project board, unless you want to. Use found items around the house (ie. foil, toilet paper rolls, wire, recyclable items, broken/items intended for donation, etc.) to create the prototype. **NO Live ANIMALS/PETS or FOOD (candy, etc.) items will be handed out or permitted at the Convention.**

The Presentation Board will be a tri-fold project board that creatively explains the student's invention and the process of inventing it that will sit behind their invention at the Invention Convention. Guidelines are found on the back of this sheet for this portion of the project.

Calendar of Due Dates		
<b>Date: Monday, April 15</b>	<b>Week of Apr 15</b>	<b>Date: Tuesday, May 7</b>
<b>Signed Parent Form turned in</b>	<b>(Done in Class) Name, Sketch, and Materials list created</b>	<b>Projects Due  Invention Convention!</b>

**Have fun creating with your child! Please feel free to contact us with any questions about the project!**

Sincerely,  
Mrs. Haley and Mrs. Sullivan

## Create Your Poster Board

Problem	Invention Name Inventor	Results
Solution	Materials	Picture
Who does your experiment help?	How it was made.	Project Reflection

### Problem:

Discuss the problem that you are attempting to solve with the creation of your invention.

### Who does your experiment help?

Describe who would use your experiment and get the most benefit from it.

### Solution:

Discuss the final solution to your problem.

### Materials:

List all of the materials that you used.

How it was made: Give step by step instructions of how your invention was made. Include illustrations if they are helpful for understanding.

### Results:

Did your invention work the first time? What modifications did you need to make?

### Picture

Draw a detailed and labeled illustration of your invention.

### Project Reflection:

Tell your audience what it was like creating your project. What would you do the same and what would you do different if you had to do it again?