



iNVENTION
CONVENTION
CONNECTICUT & MASSACHUSETTS

Invention Log

Grades 3-5

This Logbook belongs to: _____

Invention Convention Logbook

This is **YOUR** invention story. You get to tell it.



An invention is something new that helps solve a problem or do something better or easier.



You will use this invention log to tell the story of your invention from start to finish.



Every time you work on your invention, write or draw in this logbook. Follow the steps of inventing - don't skip ahead!



When you finish a page, put your name and the date on the bottom.



If you need more space, add more pages into your logbook.



Keep your logbook safe - it's an important part of your project for Invention Convention.

Invention Vocab:

Solution - the answer to your problem, your invention!

Research - finding and gathering information.

Prototype - a model of your invention.

Iteration - repeating steps to improve your ideas.

This page can be completed later, after you've decided on your invention.

The Name of My Invention:

The Problem That It Solves:

Statement of Originality

I promise that the ideas in this Invention Log are my own.

My Name:

Date: _____

Finding Problems to Solve

The first step in invention is to find a problem that you would like to solve! **What matters to you? What do you like to do? Who do you want to help?** Talk to friends and family about problems they have. Write or draw some ideas here:

Finding a Solution

Once you have a problem to solve, the next step is to think about an invention to solve it - this is your **solution!** Write or draw some ideas for inventions below. Add extra pages if needed.

Invention Idea 1:	Invention Idea 2:
Invention Idea 3:	Invention Idea 4:

About my Solution - Originality

With help, do some online research to find out if your invention idea already exists. Think of some words that describe your invention. Use these words to do searches in Google and on shopping sites like Amazon.

What did you find online that is like your idea?

If something like your idea exists, how could your invention be different or better? Give details. Add more space if needed.

About my Solution - Impact

With help if you need it, do some more research to learn how your idea can help the world. Add more pages if needed.

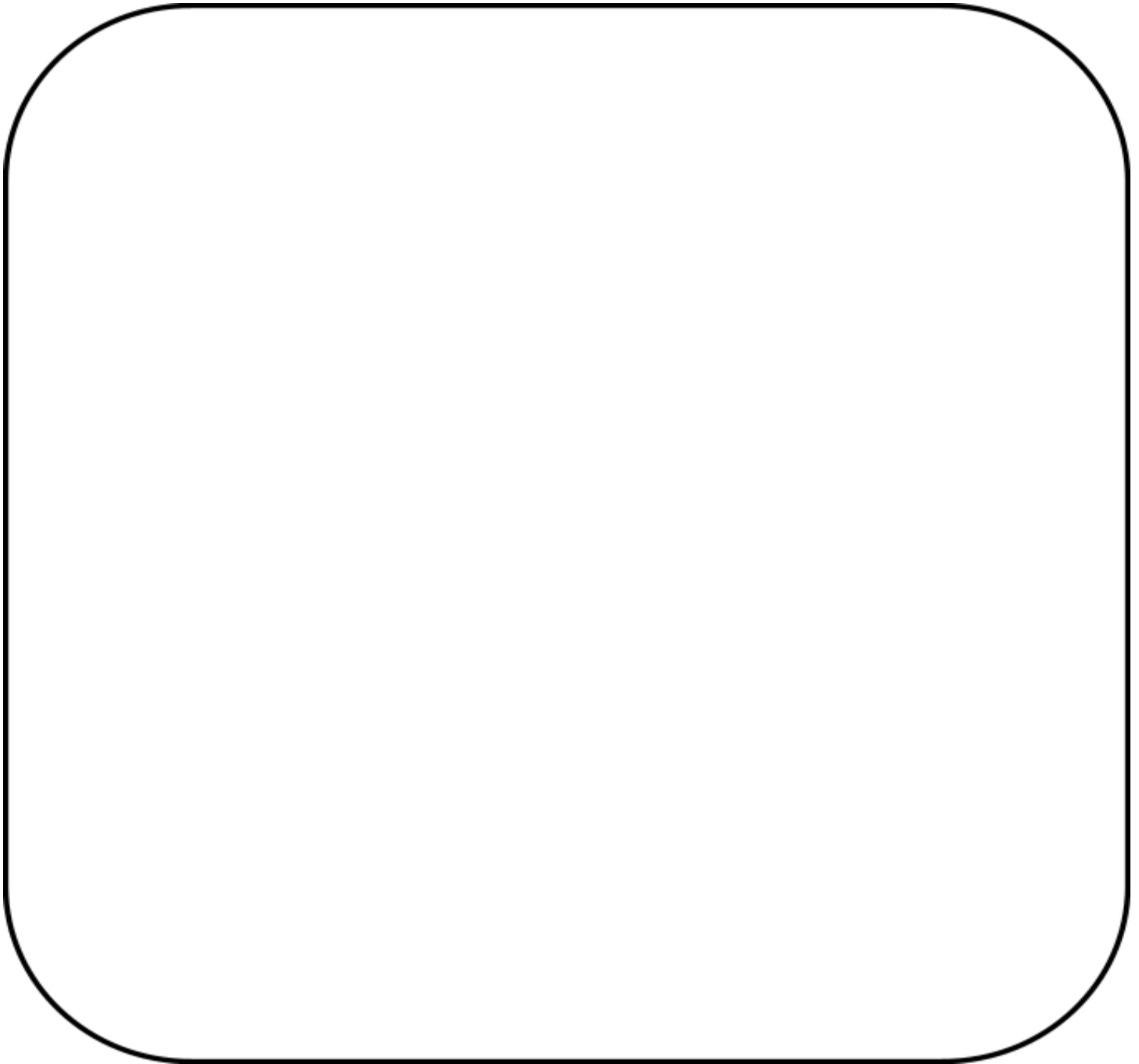
My Invention is for:

My Invention is better than others because:

My Invention helps the world because:

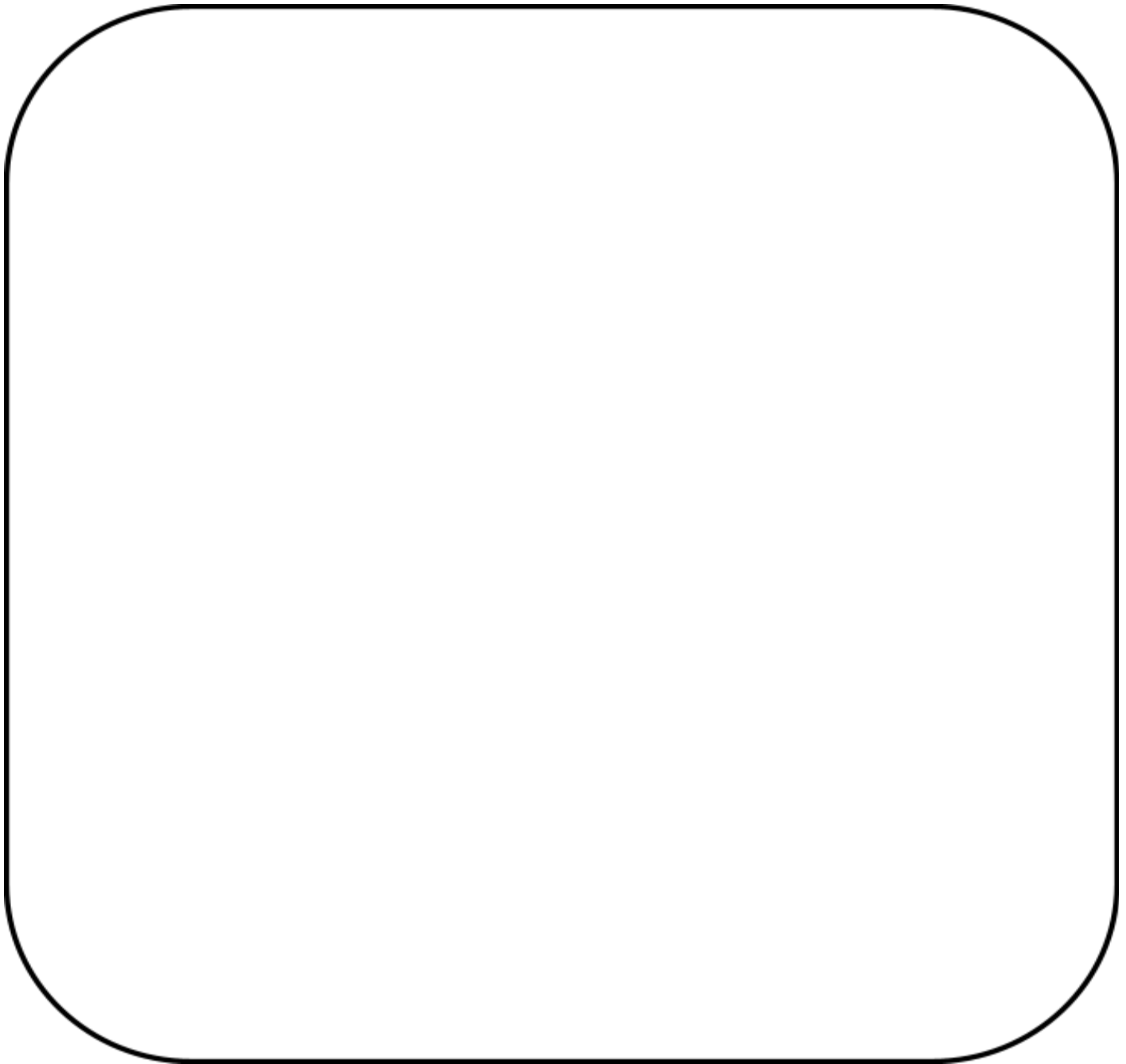
Designing my Invention

Make a drawing of the invention you are thinking about building. Label all the important parts. Explain how the invention will work. The more detail the better! If you need more space, use another blank page.



Improving my Design

How can you make your invention better? Draw a new design below. You may need to make a few designs before you have one you are ready to build!

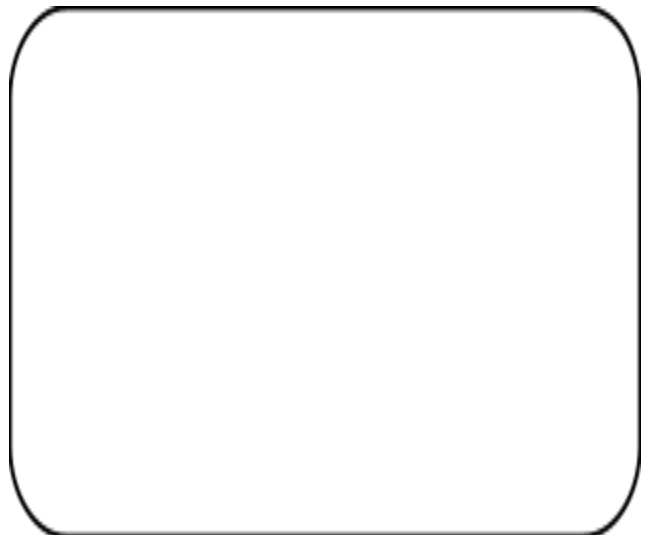


Naming my Invention

What are some words that describe your invention? Think of some possible names for your invention. Your invention name should help people to know what it is or does, and hopefully is fun as well!

Some Names for my Invention:

If you like, make a **slogan** (a short, fun saying) and **logo** (simple picture) that can be used to help share your idea.



Communication - Prepare to Share

Now it's time to share your invention with the world! Here are some questions you should be able to answer about your invention. Write out a **script** of what you plan to say, and practice presenting to your family, friends or classmates!



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



What problem are you solving? Who does this problem affect?



What is your solution? How is it different or unique?



How did you build your invention and who helped you?



How did you test your invention? What did you find out?



What did you change or improve about your invention?



What challenges did you face and how did you overcome them?



What would you do NEXT to keep working on this invention?



Why should someone want to use or buy your invention?

Invention Steps Checklist

Use this checklist to make sure you've completed every step of the Invention process!

- Finding Problems to Solve - I found problems I'm interested in solving.
- Understanding the Problem - I learned about the problem and why it's important.
- Finding a Solution - I've thought of some inventions to solve the problem.
- About my solution - I found out if my invention idea already exists.
- About my solution - I know what makes *my* invention special or unique.
- About my solution - I know who my invention is for and why it's important.
- Designing my Invention - I've made drawings and planned my design.
- Improving my Design - I got feedback on my design and improved it.
- Intent to Invent - I know the parts and the help I will need to build my prototype.
- Building my Prototype - I've built my invention prototype.
- Testing and Improving - I tested and improved my invention.
- Naming my Invention - I have a great name for my invention.
- Sharing my Invention - I can talk to others about my invention.

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