

Einstein Club

April Challenge: Invention

Einstein Lunch: Friday, May 1

This month we will be learning about CHINA. The Chinese have invented many important objects that we still use today like paper, toothbrushes, fireworks, the abacus, the compass, and umbrellas. Your challenge this month is to create your own invention!

THE DESIGN PROCESS Here are your instructions:

- BRAINSTORM: As you dream up your invention, keep in mind that your invention must be *functioning*. We know you have creative ideas, but keep in mind that your invention needs to be something that *you* can actually create this month. Also, it *must be an original idea*. Don't reinvent the wheel! Think of something that does not already exist.
- DESIGN: Draw up a sketch of your invention. What is its purpose? How will it work?
- BUILD: Make a list of all of the materials you plan to use. Where are you getting your supplies from? Try to use supplies that you already have on hand!
- TEST/EVALUATE → REDESIGN: What specific goal are you trying to achieve? How will you know if you have been successful? Remember, your invention must work! What modifications did you make? What were the different steps you had to do to get your project to work the way you wanted? If you had more time or resources, how could you improve your invention?
- SHARE: Name your invention. Try to think of something catchy and clever! Think of a way to present your invention to the class. It should look nice, and include a list of all of the steps of the design process.

Present your invention and plans to your class to qualify for this month's Einstein lunch!

Good luck—we can't wait to see what you come up with!

