

November 5, 2009

Sandown North Inventors Program!

Dear Parents,

Sandown North is participating in the NH Young Inventors Program. The processes, skills and experiences of inventing are an important aspect of the Timberlane Regional School District's science curriculum.

Through the process of inventing students learn to practice their analytical thinking as they look at the world. Students participate in real life problem solving as they engage in conversations about challenges. Proposing solutions to problems is an exercise in critical thinking. Building models to represent those solutions teaches important technical skills. Presenting ideas promotes the growth of effective communication.

The invention program is segmented into the five steps as outlined in five progress sheets: Brainstorm Problem to Solve, Choose One Problem, Brainstorm Solutions, Choose One Solution, and Create Your Invention. These forms can be previewed at the **Invention Program** Link at www.sandownnorth.com

If your child decides to participate in the invention program then please be sure to return the Brainstorm Problem to Solve progress sheet included with this letter by Thursday, November 12th. Students who choose to participate will receive additional progress sheets each week as they proceed through the program. The finished model of the invention will be due with the Create Your Invention sheet by January 21, 2010. Each invention will be judged at our school invention convention from on Thursday, January 28th. This event will take place during the school day from 1-3PM. One invention from each grade level will be invited to represent our school at the Young Inventors Program on Saturday, April 3. Parents are expected to supervise their inventors at the state event. The location of the State Competition has yet to be announced.

I look forward to seeing our students' creativity in action. More information about the NH Young Inventors Program can be found at www.aas-world.org.

Sincerely,

Justin Melle, Sandown North Enrichment Teacher

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New Hampshire Young Inventors Program
Attn: MR. Melle
Part 1, Due by Thursday, November 12th
Brainstorm Problems to Solve.

Name: _____, Grade: _____, Teacher: _____

Write a list of problems you would like to solve. Ask friends and family for input.

List of Problems

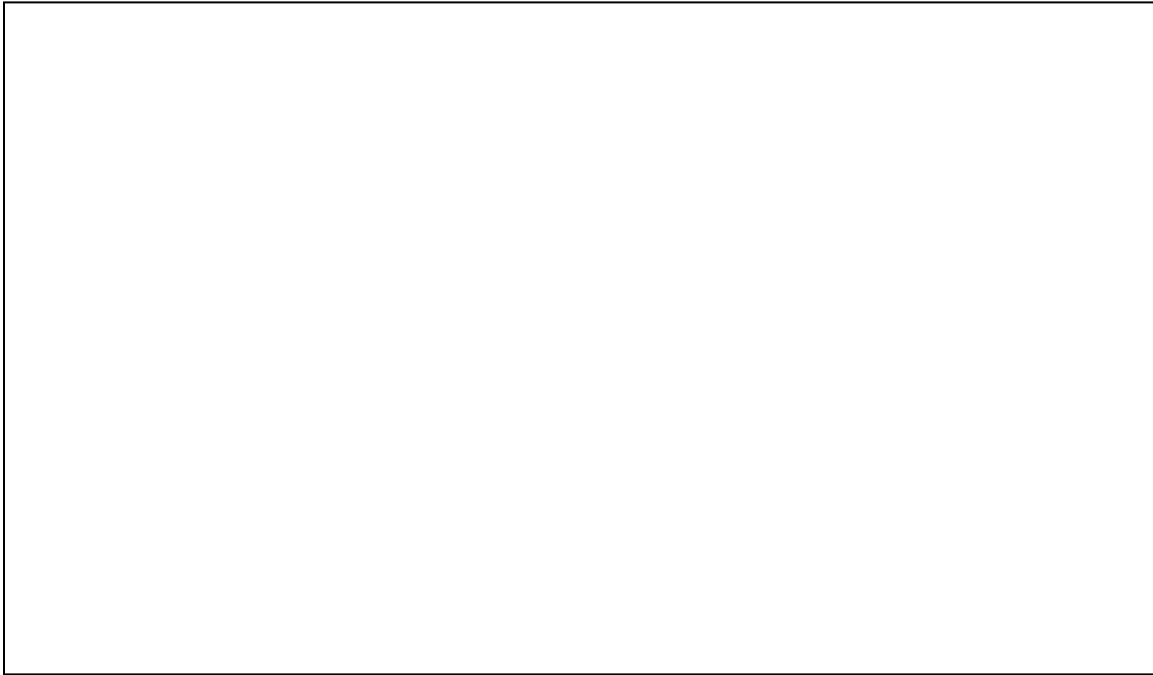
Example: I always spill when I pour milk on my cereal.

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____

Attn: MR. Melle
Part 2, Due by Thursday, November 19th
Choose One Problem.

Name: _____, Grade: _____, Teacher: _____

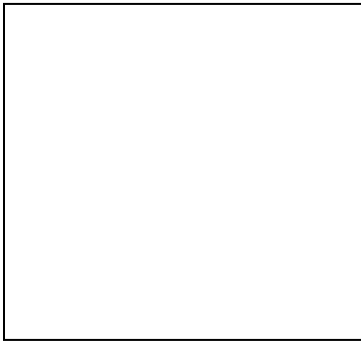
Describe the one problem from your Brainstorm Problems to Solve form.
Create an illustration or written description of the problem.



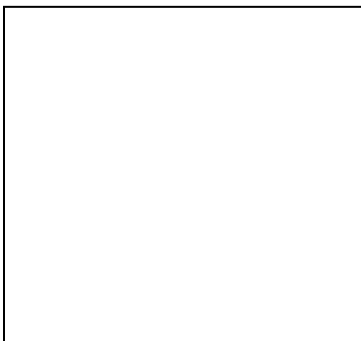
New Hampshire Young Inventors Program
Attn: MR. Melle
Part 3, Due by Thursday, December 3rd
Brainstorm Solutions

Name: _____, Grade: _____, Teacher: _____

Create several diagrams or write descriptions of original ways to solve your chosen problem.







New Hampshire Young Inventors Program
Attn: MR. Melle
Part 4, Due by Thursday, December 10th
Choose One Solution

Name: _____, Grade: _____, Teacher: _____

Look at your list of solutions and choose the best one. Create a detailed diagram of your invention!



New Hampshire Young Inventors Program
Attn: MR. Melle
Part 2, Due by Thursday, January 21st
Create Your Invention!

Name: _____, Grade: _____, Teacher: _____

Build a model of your invention at home.

You should ask your parents for help with any tasks that might be dangerous but most of the work should be your own.

Create a display that describes how your invention works. Include “Day 1-4, Monday – Thursday” Worksheets.

Invention considerations list

Is your invention:

original?

useful?

fun?

Marketable?

creative?

Innovative?

Questions:

1. How did you get your idea for your invention?
2. What is the purpose of your invention?
3. How does your invention work?
4. What was most difficult about building your model?
5. In what ways did you improve on your original idea?