



Student Name: \_\_\_\_\_

## Presenting a New Invention

One of the most challenging aspects of inventing is explaining the invention to others. It is not enough to create a new invention. If no one makes or uses the invention then it does not help anyone. Taking a new invention and making it available to buy is called *commercialization*. Successful inventors are not only talented scientists and engineers, but they are also good communicators. Try filling out the worksheet below to explain your invention:

### ***Tell your audience your name.***

- 1) Hello, my name is \_\_\_\_\_ (your name).

### ***Tell the audience your background.***

- 2) I am a \_\_\_\_\_ grade student at \_\_\_\_\_ (school) in \_\_\_\_\_ (city).

### ***Explain why you made this invention.***

- 3) A problem with existing \_\_\_\_\_ (type of invention) is that they  
\_\_\_\_\_  
\_\_\_\_\_ (describe drawbacks of existing technology).

### ***Explain how things would improve with your invention.***

- 4) If this problem could be solved then the benefit would be \_\_\_\_\_

### ***Now tell the audience about your invention.***

- 5) My solution to this problem is a new \_\_\_\_\_. My invention is better than what already exists because \_\_\_\_\_.  
The invention works by  
\_\_\_\_\_  
\_\_\_\_\_ (explain how the invention works).

### ***Tell your audience who would buy your invention and why.***

- 6) People that \_\_\_\_\_ (who needs your invention) would buy the invention because it would improve \_\_\_\_\_ (benefit of your invention).

## Sample Presentation

- 1) Hello, my name is Anna Smith.
- 2) I am a 4<sup>th</sup> grade student at Mangrove Elementary in Westchase, Florida.
- 3) A problem with existing chairs is that they do not capture the movement of the person sitting in them. People tilt, turn and move their chairs all day long. If the movement could be translated into electricity then a person could help supply energy while getting exercise at the same time

### ***Explain how things would improve with your invention.***

- 4) If this problem could be solved then the benefit would be better exercise and less use of oil, coal and other non-renewable energy sources.

### ***Now tell the audience about your invention.***

- 5) My solution to this problem is a new energy recapture unit that fits onto chairs. My invention is better than what already exists because existing chairs turn or rock but do not generate electricity from that movement. The invention works by attaching a small electric generator to the chair. In the case of a chair that spins around, the rotation of the chair turns the generator which then charges a battery which powers a desk light. The light should be very efficient such as an LED light. In the case of a rocking chair, the up and down movement of the chair (called a piston action) turns the generator just like a steam locomotive turns its wheels. A meter can measure the amount of electricity generated which helps encourage the person to exercise more.

### ***Tell your audience who would buy your invention and why.***

- 6) People that sit all day at their desks and that want to help with energy shortages would buy the invention because it would improve their health and the environment.

