Western New York
INVENTION CONVENTION

Worksheet

Take Apart!

What makes me go?!?

Step 1: Previewing the Product

>What parts of the toy can you see?

_____
_____
_____

>What does the toy do – write about all of the movements you see?

_____
_____
_____

>How does it accomplish all of these movements?

_____
_____
_____

What do you think the inside of the toy looks like? Make a drawing to explain how it works.
(Make sure all of the toy's movements are explained!)

Take Apart (cont.)

Step 2: Take Apart Time!!!!

>Let's see the insides of your mechanical toy. Take it apart! As you dismantle it, pay close attention to how your toy was performing all of its motions.

>Use the correct tools to carefully take the toy apart. Find the important parts that make this invention work and record them in the inventory below.

>How many……..?

Screws: ____ Nails: ____ Wires: ____ Bolts: ____ Springs: ____ Nuts: ____ Wheels: ____
Gears: ____ Other: ____

Draw a new model – how did your toy work? Label key pieces in your drawing.

>Explain how you think this invention works.

_____
_____
_____
_____

Step 3: Reflection

>By looking inside this invention, I found out:……

_____
_____
_____
_____

>How close was your original model to your revised model?

_____
_____
_____
_____

>How might this exercise help you in your invention process?

_____
_____
_____
_____
_____
_____