SCIENCE NORTH SCIENCE NORD
SUDBURY, ONTARIO, CANADA

Energy Storage Device Part 3 **Grade 5 – Conservation of Energy and Resources**

Worksheet- Answer Key

What are you building? • Clearly identifies what they are planning on building to store energy.
Material List • List of all materials.
How do you plan on storing energy? (Complete before starting) • Description of device that is clear. Two or three sentences. This is basically a hypothesis for the experiment.
How did your first attempt go? • Clear description of first trial. • Include any surprises, challenges, or things that went wrong.
What can you improve on? How did it work out? • Students should be able to improve any of their experiments. Can they identify where energy is lost or how the device does not function to its full potential? • Clear description of what they are improving • Clear description of how the second experiment worked out. How was it different from the first one?

What is your input energy source? • This is the energy that was put into the system. E.g. “human mechanical energy of hand pulling on spring” etc.
What real world examples can you think of that work in a similar way to your experiment? • List several examples from the real word where energy is stored in a similar way. Note that we are NOT looking for energy storage device examples, but just for examples where energy happens to be stored in a similar way. • For example: A suspension spring on a car stores potential energy as the car rests on it.