

Design Challenge #4 – “Adventure Story”

Group Members: _____

Date Started: _____

Requirements:

BUILD a device that will...

MOVE in an exciting and dramatic way

to help PERFORM a story about an adventure.

Also WRITE and PERFORM your story.

Your device and performance *must* ...

- Have some parts that move.
- Include motion, sound, and scenery.
- Have some parts that are controlled by a WeDo program (saved on the computer).
- Use at least *one* electronic part with input/output (motor or sensor).
- Include words and pictures recorded on these pages.
- Be performed smoothly (like you tested and practiced).
- Last at least 30 seconds.

Your device and performance *may* ...

- Borrow ideas from the Internet and the WeDo notebook.
- Move in any way you like.
- Use any parts in the WeDo kit (including extra sensors or motor, and LEGO person).
- Use a real person to move or control some (but not all) parts of the scene.
- Use extra parts and LEGO person from a “Starter” kit (get permission first, put back each day).
- Use construction paper, markers, etc. to make “scenery.”
- Last up to 2 minutes.

Your device and performance *must NOT* ...

- Change any program parts once the program is running.
- Require a real person to move everything.
- Borrow parts from any other WeDo kits.
- Simply copy any other projects.

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Ideas / Sketches: (include story parts, scenery, movement, parts, and program blocks)
(also record any “borrowed” ideas from the internet or elsewhere)

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Tests / Revisions:

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Final Story:

(you may attach separate sheet if you prefer)

Group Member Sign-Off: _____ Date Finished: _____

Video recorded on _____ by _____

Scoring Rubric & Sign-offs:

(give up to 5 points for each category)

Rating Category	By Classmate: _____	By Classmate: _____	By Lab Manager: _____	By Ms. G: _____
Creative / Original				
Well-Built / Good Design				
Meets All Requirements				
Full Team Participation				
Well-Practiced / Smooth Delivery				
Total Points:				