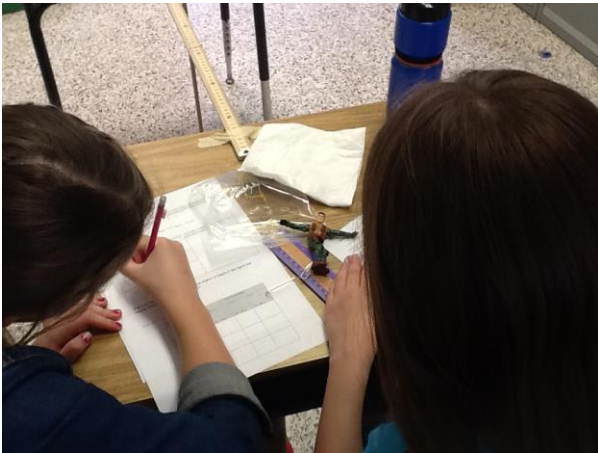


Keynote Presentation: Explore Phase

www.icloud.com/keynote/AwBWCAESEIZoYCYZ_Oovl7EqHJxu-WlcaKj27C9HbDxwEoJ3VBQj6Xumz6t_r09U7uuTZl9skOLooUVH05IzvE1IWuAMCU_CAEIELEKT5F8ra_AGbx63valLUJAIFMAbpXVbtFwTVY37S3G#Forces_and_Motion_Bungee_Test_1

Password: Watkins

Student Photos



Reading from Max Axiom



Using iPad for data collection



Resources

Materials needed:

- action figures: 12 figures, similar dimensions.
www.walmart.com/ip/The-Corps-Deluxe-12-Action-Figure-Set/28422320
(This set can also be used for lessons on the human body and joint movement.)
- 7-8 fishing sinkers: 1 oz. and 2 oz.
- rubber bands (size #64)
- 2 meter sticks (per station)
- ruler
- twine
- paperclips (large and small)
- tape



How to set up the Bungee Testing Area:

Tie two pieces of twine around a meter stick and cut off excess at knot. Hang paper clip from twine.

Separate two student desks by about 80 cm. Tape ends of meter sticks to the desks; reinforce with a textbook.

Tape second meter stick perpendicular to the first meter stick, in a horizontal position.



Note: Students must be made aware of the measures on the meter stick (increasing or decreasing toward floor). As measurements are taken, the data table numbers will increase or decrease, depending on whether perpendicular meter stick starts at zero from the floor. In our testing, the action figure's boot bottom was the point of measurement.



Websites:

<http://marvel.com/comics>

Supplement for science graphic novel:

www.capstonekids.com/characters/Max-Axiom/index.html

Storyboards (by template) The product:	Not Evident	Developing	Meets
Defines or explains at least one science concept or key term applicable to the lesson			
Incorporates data or data findings in at least one panel			
Shares knowledge about gravity, opposing forces, or applies laws of motion			
References multiple text sources			
Uses at least two informational text features (e.g., label, caption, diagram, heading, domain-specific vocabulary)			
Uses graphic novel features (e.g., panel, frame, speech balloon, bio blurbs, and special-effects lettering)			
	0	1	2

*Note: Final group graphic novel must include table of contents, glossary, and index.

Additional feedback:
