

Science Plans 3/16/14

March	MONDAY 10	TUESDAY 11	WEDNESDAY 12	THURSDAY 13	FRIDAY 14
Content Objective:	SW be introduced to the concept of potential and kinetic energy. SW define the key terms from this chapter in the book.	SW complete the guided reading for this chapter in the book.	SW be introduced to real life activities that demonstrate potential and kinetic energy.	SW use yesterday's graphic organizer to write in the Type 3 format using the FCA's of topic sentence, Define/examples, and complete sentences.	SW watch a video from united streaming about potential and kinetic energy.
Language Objective:	SW follow text read aloud about potential and kinetic energy using their science book.	SW identify main ideas and details in paragraphs using the science book and the guided reading worksheet.	SW state opinions about the classification of examples of potential and kinetic energy by placing the activity card in the correct category.	SW write about potential and kinetic energy using sentence stems in the type 3 format.	SW write the definition of potential and kinetic energy in their own words with an example from the video in the type 2 format.
Vocabulary:	kinetic potential energy transfer change stored position motion	kinetic potential energy transfer change stored position motion	kinetic potential energy transfer change stored position motion	kinetic potential energy transfer change stored position motion	kinetic potential energy transfer change stored position motion
Strategy:	Formative Assessment Modeled Reading Front Load Vocabulary Type 2	Guided Reading Carousel Brainstorming Small group	Silent Reading Cooperative Groups	Summative Assessment Type 3	Collins Writing Type 2 Video Facts Reading for Understanding
GLCE:	P.EN.06.11 Identify kinetic or potential energy in everyday situations (for example: stretched rubber band, objects in motion, ball on a hill, food energy).				
In Class Today	Silent Reading Journal Question - List several familiar examples of energy. (Add to your list as we read) CD read aloud Ch 5.1 p 140 Define Key Terms page 163	Silent Reading Journal Question - How are work and energy related? Use Carousel Brainstorm Strategy to complete table on GR question # 21 using books and chart paper. Proceed with: Guided Reading WS 53-55	Silent Reading Journal Question - What is the difference between potential and kinetic energy? Jumping Jack Activity Cooperative Group Lesson "Is It Kinetic or Potential?"	Silent Reading Journal Question Write one example of potential energy and one example of kinetic energy. Type 3 Writing Assignment	Silent Reading Journal Question What is one way that you were involved with kinetic and/or potential energy today. Type 3 Teacher led Edit Video with Video Facts Section Summary

<http://app.discoveryeducation.com/player/view/assetGuid/BB6F8AF9-0896-4CED-AC48-097E93C0F811>

Potential and Kinetic Energy: Jumping Jacks

- Have students assume a standing X position, with arms above their shoulders in a wide V and legs apart in an inverted V. Tell them to hold the position, and explain that they are exemplifying potential energy, just waiting to be converted into kinetic energy -- energy in motion. Allow them to do a jumping jack. Explain that, as they move, they're creating kinetic energy; at each pause, however short, their bodies are holding potential energy.