


The Slide - A Thinkers Key Activity

Junior Inventors Name: _____

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Lexus has unveiled the latest hoverboard technology, The Slide. With the use of superconductors and magnetism, the board actually floats above the ground! At present, magnetic tracks under the ground are needed to help action the "hover", but Lexus has certainly made a giant step in making a hoverboard a reality. And you may see them for sale in the future...




Thinkers keys have been designed to help you think critically and creatively about a topic or issue.

Complete the following Thinkers Key activity and open your mind to new ideas about hoverboard technology!

Improvements

Work out the ideal length, width, depth and shape for your very own hoverboard. Think about how the size and shape influences how you stand, balance and turn. Draw your hoverboard below and label it with your measurements. Add three extra features to the hoverboard, to make it even more sensational!



The video to accompany this activity can be found at: <https://www.youtube.com/watch?v=z1ZdMOMUgXE>

Lesson Sequence:

Tune in by watching the video and share-read the article about The Slide.

Introduce your students to the Thinkers Key activity. Brainstorm ways to work out the best dimensions for a customized hoverboard and list potential extra features.

Students complete the activity sheet. A good idea is to use chalk and draw the hoverboard outlines outside.

Students choice: Display the Thinkers Key chart. After discussing possible ideas in small groups, students complete 1-2 keys of their own choice.

*Thinkers key printout on page 2

TIPS TO SUPERCHARGE YOUR LESSON


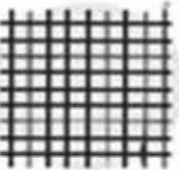

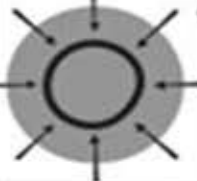






Watch a snippet of the famous movie, Back to the Future 2, where hoverboards were part of daily life and the year was 2015.

Publish your completed Thinkers Keys and collate them into a book.

Foster your students' collaborative skills by asking them to complete a Thinkers Key in pairs. Ask students to create a video presentation for one of their Thinkers Keys - an option then is to post it on a classroom blog!

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|  <p>Improvements</p> <p>Work out the ideal length, width and shape for your very own hoverboard. What extra features could you add?</p> |  <p>Combination</p> <p>Invent something new by combining a hoverboard with one other object and explain its use.</p> |  <p>Prediction</p> <p>Predict 5 things that could go wrong with the use of the hoverboard.</p> |  <p>Purpose</p> <p>As well as cruising around with your friends, name 10 ways a hoverboard could be used in any aspect of life.</p> |
|  <p>The Reverse</p> <p>Name 10 tasks for which a hoverboard would NOT come in handy or should NEVER be used!</p> |  <p>BAR</p> <p>ADD: Create a design to go on the platform of a hoverboard.</p> |  <p>Question</p> <p>How would you stop a hoverboard from being stolen when you park it? (Where would you park it?) Create a security system.</p> |  <p>Perspective</p> <p>What different points of view might people have about the use of the hoverboard? Write 5 different types of comments in speech bubbles.</p> |