Systems Thinking
Universal Systems Model Presentation

Instructions:

Use the Universal Systems Model to analyze THREE different systems.

Use PREZI to create a graphic organizer for EACH system.

Present your universal system models using PREZI.

You may use the following websites to research your three systems:

www.howstuffworks.com
www.ehow.com
www.wikipedia.org
www.wikipeda.com
www.instructables.com
Requirements:

Each model should include the following:

* Goal - What you want the system to do
* Input - 10 different resources that go into each system
* Process - 8 major steps that lead to a result
* Output - The result that comes out of the system
* Feedback - List 4 different possible results that may come from output and the adjustments that need to be made to either the input or process.
Requirements (continued):

You must choose three of the following systems - ONE from EACH category

COMMUNICATION SYSTEMS

- making a cell phone call
- texting someone
- browsing internet on smart phone
- emailing a friend
- radio broadcast
- television broadcast

TRANSPORTATION SYSTEMS

- driving a hybrid car
- riding the train from boston to new york
- riding the subway from wonderland to state street
- landing a plane at the airport
- riding the bus from boston to portland
- flying a helicopter

CONSTRUCTION SYSTEMS

- building a house
- building a bookcase
- building a skyscraper
- building a suspension bridge
### Systems Thinking

**Universal Systems Model Rubric**

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<th></th>
<th>5</th>
<th>4</th>
<th>3</th>
<th>1</th>
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</thead>
<tbody>
<tr>
<td><strong>Spelling &amp; Grammar</strong></td>
<td>No spelling or grammatical errors.</td>
<td>No more than two spelling/grammatical errors.</td>
<td>No more than four spelling or grammatical errors.</td>
<td>More than four spelling errors.</td>
</tr>
<tr>
<td><strong>Presentation</strong></td>
<td>Students have used media in creative and innovative ways that exploit the particular strengths of the Prezi format. The final product is unique, powerful, effective, and compels the audience's attention.</td>
<td>Presentation is balanced, attractive, and east-to-follow. It uses original student work and/or blends existing media in a new and interesting way.</td>
<td>There is a focus that is maintained throughout the piece, but it may not be compelling, or present information in a way that consistently keeps an audience's attention.</td>
<td>The project has a weak focus. May contain creative aspects but those aspects tend to distract the viewer from the stated purpose of the presentation.</td>
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<tr>
<td><strong>Requirements</strong></td>
<td>All requirements are met and exceeded.</td>
<td>One requirement was not completely met.</td>
<td>2-3 requirements were not met.</td>
<td>More than 4 requirements were not met.</td>
</tr>
<tr>
<td><strong>Content</strong></td>
<td>Meets all requirements criteria and is well organized using the features of Prezi. Project shows notable insight or understanding of the topic.</td>
<td>The project is logically organized for the most part.</td>
<td>There is an organizational structure, though it may not be carried through logically or consistently.</td>
<td>Project seems haphazard, hurried or unfinished. There was no clear or logical organizational structure. There are significant factual errors or misunderstandings.</td>
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