BACKWARD DESIGN OF CURRICULUM

Dr. William H. Robertson
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Backward Design of Curriculum

- Goals
- Objectives
- Concepts - Assessment
- Activity
- Content and Pedagogy
### Backward Design of Curriculum

<table>
<thead>
<tr>
<th>Content and Pedagogy</th>
<th>Speed, velocity, and acceleration with Hands-on Small Group Activities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Activity</td>
<td>What you actually do in class</td>
</tr>
<tr>
<td>Concepts - Assessment</td>
<td>Relationships between and within speed, velocity, and acceleration</td>
</tr>
<tr>
<td>Objectives</td>
<td>The student is expected to differentiate between speed, velocity, and acceleration</td>
</tr>
<tr>
<td>Goals</td>
<td>The student knows that there is a relationship between force, motion, and energy.</td>
</tr>
</tbody>
</table>
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Goal
The student knows that there is a relationship between force, motion, and energy

Objective 1
The student is expected to demonstrate and calculate how unbalanced forces change the speed or direction of an object’s motion.

Objective 2
The student is expected to differentiate between speed, velocity, and acceleration.

Objective 3
The student is expected to investigate and describe applications of Newton’s three laws of motion such as in vehicle restraints, sports activities, amusement park rides, Earth’s tectonic activities, and rocket launches.

Explain the similarities and differences between speed and velocity

Run It Right
- Time and Distance and Direction
- Socratic Questioning

Explain the similarities and differences between acceleration and velocity

Peel Out
- Time and Distance and Change
- Jigsaw

Example Activities:
- Run It Right: Time and Distance and Direction, Socratic Questioning
- Peel Out: Time and Distance and Change, Jigsaw
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