

Activity Title:	Going Places - Growth Mindset
Timeframe:	~40 Minutes
Big Ideas and/or Essential Questions:	<p>How can I use a positive growth mindset when I collaborate with my peers?</p> <p><b>Key Vocabulary</b>-Growth Mindset, Power of Yet poster, collaboration, communication, creativity, critical thinking, constraints, teamwork</p>
PA Standards:	<ol style="list-style-type: none"> <li>1. Asking questions and defining problems</li> <li>2. Developing and using models</li> <li>3. Planning and carrying out investigations</li> <li>4. Designing solutions for engineering</li> </ol>
Learning Target(s):	<ul style="list-style-type: none"> <li>- I can collaborate with my peers and use critical thinking skills</li> </ul>
Materials:	Book: <i>Going Places</i> By: Peter Reynolds, paper towel tubes, toilet paper tubes, marble or matchbox car
Activity Procedures:	<ol style="list-style-type: none"> <li>1. Show the cover of the book <i>Going Places</i>. <b>Review</b> The Power of Yet poster.</li> <li>2. Explain to the students that today they are going to work as a team with 3 to 4 classmates to make a car “go places”. Review key vocabulary collaboration, communication, critical thinking, and creativity.</li> <li>3. Introduce the materials (four tubes 2 paper towel and 2 toilet paper rolls) and explain the challenge.</li> <li>4. In teams students will try to make the car travel through all four tubes.</li> <li>5. If teams are successful, trade out one tube for a longer wrapping paper tube and try the challenge again.</li> <li>6. Introduce Tinker Time expectations and materials students will be using to tinker.</li> </ol>

	<ol style="list-style-type: none"> <li>7. Show the cover of the book <i>Going Places</i>. <b>Review</b> The Power of Yet poster.</li> <li>8. Explain to the students that today they are going to work as a team with 3 to 4 classmates to make a car “go places”. Review key vocabulary collaboration, communication, critical thinking, and creativity.</li> <li>9. Introduce the materials (four tubes 2 paper towel and 2 toilet paper rolls) and explain the challenge.</li> <li>10. In teams students will try to make the car travel through all four tubes.</li> <li>11. If teams are successful, trade out one tube for a longer wrapping paper tube and try the challenge again.</li> <li>12. Introduce Tinker Time expectations and materials students will be using to tinker.</li> </ol>
Assessments:	<p>Reflection Discussion-Was the tube tunnel successful? What went well or didn’t go well within your groups today? Where did you notice yourself or someone in your group using a growth mindset/Power of Yet?</p>



