
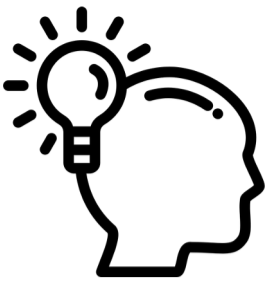


Critical and Creative Thinking

Family Edition

→ Directions: Look over these activities and choose the ones which seem interesting to you.

<h3 style="margin: 0;">Big Ideas</h3> <p>The month of November seemed like a good time to revisit the concept of change. Sunday, November 1 marked the end of Daylight Saving Time.</p> <p>How does the end of Daylight Saving Time relate to these statements about change?</p> <ul style="list-style-type: none"> ● Change be positive or negative. ● Change can happen suddenly or gradually. ● Change can lead to more change. ● Change is connected to time. ● Change can lead to conflict. <p>Other options: How might the ideas below relate to the statements about change?</p> <ul style="list-style-type: none"> ● The U.S. Presidential Election ● Halloween (the 2020 Edition) ● Cooler weather ● Sports (choose one of your favorites) 	<h3 style="margin: 0;">Questioning</h3> <p>This week’s activity features a focus on prepositions.</p> <p>The answer was: “Next to the turkey.” What might the question have been? How many different questions can you develop?</p> <p>You can also try these:</p> <ul style="list-style-type: none"> ● The answer was: “Under my bed.” ● The answer was: “Behind the couch.” ● The answer was: “After the dishes were washed.” ● The answer was: “Before you got here.” ● The answer was: “Somewhere between the door and the street.” 						
<h3 style="margin: 0;">SCAMPER Design Challenge</h3>	<h3 style="margin: 0;">Fluency, Flexibility, Originality, Elaboration</h3>						
<p>Your entry for the “Best Vehicle Made from Things You Found Lying Around the House” won first prize!</p> <div style="text-align: center; margin: 10px 0;">  </div> <p>Recreate the winning design and tell about how you successfully used these different design elements.</p> <table border="1" style="margin: 10px auto; border-collapse: collapse; text-align: center;"> <tr> <td style="padding: 5px;">size</td> <td style="padding: 5px;">shape</td> <td style="padding: 5px;">color</td> </tr> <tr> <td style="padding: 5px;">material</td> <td style="padding: 5px;">design</td> <td style="padding: 5px;">symbols</td> </tr> </table>	size	shape	color	material	design	symbols	<ol style="list-style-type: none"> 1. Make a list of traditions that are special to your family. 1. How might traditions change over time? Do you think you will celebrate your family traditions differently as you get older? 1. Create a tradition that you would like for your family to start - something that might last for generations! Give your new tradition a special name. 1. Create an invitation for your family to the “First Ever Celebration of the New Tradition Created By _____.” Add pictures, words, and details that connect to your tradition.
size	shape	color					
material	design	symbols					



Big Ideas

When we explore concept-based instruction, we are able to connect learning across a variety of subjects and topics. We fold new knowledge into prior knowledge. Concept-based instruction help us explore big ideas that exist in the world, such as time, change, power, or patterns.



Questioning

Effective questions can support learners' efforts to explain, interpret, and apply what they know. Open-ended questions can increase interest and support the development of a range of critical and creative thinking skills.

S.C.A.M.P.E.R.

S.C.A.M.P.E.R. is a model that helps us create unique thoughts, explore relationships, and search for new or different combinations. SCAMPER involves a variety techniques (**S**ubstitute – **C**ombine – **A**djust or **A**dapt – **M**odify – **P**ut to Other Uses – **E**liminate or **E**laborate – **R**everse or **R**earrange) that help to change and improve something by changing one or more parts of the original idea.

Fluency, Flexibility, Originality, Elaboration (FFOE)

These thinking strategies and processes help students brainstorm, make connections, and develop creative ideas.

Fluency – The ability to generate numerous ideas or alternatives to solve a problem that requires a novel solution.

Flexibility – The ability to consider a number of different perspectives in an effort to generate a wide variety of ideas or alternatives.

Originality – The ability to generate novel, unique, and rare ideas or alternatives to solve a problem that requires an innovative solution.

Elaboration – The ability to generate a large number of details or descriptions that explain a specific and novel solution to a problem.

Remember, you can S.C.A.M.P.E.R. any of these activities on the first page. This might make them more interesting and enjoyable to work on.