

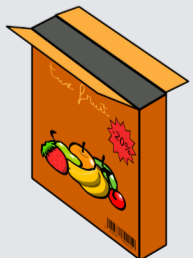
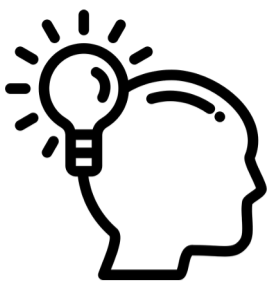


Critical and Creative Thinking Family Edition

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

Big Ideas	Visualization												
<p>This week continues our exploration of the concept of change.</p> <div style="text-align: center; margin: 10px 0;">  </div> <p>This week we will use some “if” statements to spark our imagination.</p> <p>What would happen if:</p> <ul style="list-style-type: none"> ● you could only say “please” on Thursday? ● shoes only came in one size? ● rabbits had wings? ● we couldn’t get any more chocolate? ● your home was 10 times larger than it is now? 	<p>Let’s visualize the future. Close your eyes and imagine yourself ten years from now.</p> <div style="text-align: right; margin: 10px 0;">  </div> <ul style="list-style-type: none"> ● What do you see? ● What are you feeling? ● What are you thinking? <p>Other ideas:</p> <ul style="list-style-type: none"> ● What do you imagine your neighborhood will look like in 20 years? Will it be changed in any way? How? ● How will people dress 20 years from now? What sorts of clothes will be popular? 												
Plus-Minus-Interesting	Fluency, Flexibility, Originality, Elaboration												
<p>Your family decides to have a “Screen Free Weekend.” Create a PMI chart to explore this idea.</p> <div style="text-align: center; margin: 10px 0;"> <table border="1" style="border-collapse: collapse; width: 100%;"> <thead> <tr> <th style="background-color: #4CAF50; color: white; padding: 5px;">Plus</th> <th style="background-color: #F44336; color: white; padding: 5px;">Minus</th> <th style="background-color: #2196F3; color: white; padding: 5px;">Interesting</th> </tr> </thead> <tbody> <tr><td style="height: 20px;"> </td><td> </td><td> </td></tr> <tr><td style="height: 20px;"> </td><td> </td><td> </td></tr> <tr><td style="height: 20px;"> </td><td> </td><td> </td></tr> </tbody> </table> </div> <p>If you don’t love that option, consider these.</p> <ul style="list-style-type: none"> ● Your family decides to have a Movie Night ● Your family decides to have a Family Game Night ● Your family decides to have a Cooking Contest <p>If you don’t care for these options, see if you can create a topic for your family.</p>	Plus	Minus	Interesting										<ol style="list-style-type: none"> 1. List as many things as you can think of that might be in a breakfast cereal. 1. Oh no! You are out of bowls? What else might you use to eat your breakfast cereal. 1. Design a breakfast cereal unlike anything you’ve seen in the grocery store. What is the name of your new cereal? 1. Design the cereal box (front cover and back cover). What sorts of details would you want to include? <div style="text-align: right; margin-top: 20px;">  </div>
Plus	Minus	Interesting											



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.



Visualization

Stated simply, visualization is technique that involves forming images in our mind. Visualizing helps us imagine situations, events, or ideas even when what we are thinking about is not actually present.



Plus-Minus-Interesting

Learners use the PMI structure to keep an open-minded attitude and consider an issue from multiple perspectives. Younger learners may consider what would make a certain idea interesting (i.e. What if books were round?), older learners may use the “I” to consider implications.

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.

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.

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.