

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

The thinking skills we use when we need to be creative - when we think of ideas, make improvements, and create solutions to problems!

SUBSTITUTE

To take one thing or part away and put something else in its place.

Combine

To put two or more things or ideas together to create something new.

Adapt

To change something significantly so it can be used in a specific situation.

MODIFY

To make a small, usually decorative, change to something.

Magnify

To make something or some idea bigger or more.

Minify

To make something or some idea smaller or less.

Put To Other Uses

Use something in a way that it wasn't meant to be used.

Eliminate

To remove something or a part of something or idea without replacing it.

rearrange

To move the parts of something around without losing or adding any parts.

Reverse-esrever

To change something so that what it does or the way it works is backwards/opposite.

But wait! There are more!

Visualize

Elaborate

Exaggerate

Synthesize

CRITICAL THINKING SKILLS

Critical Thinking is the thinking we use when we need to figure something out, work with information, or solve a problem. The list below is not all... there are more!

COMPARE

Identify similarities or differences between items.

Classify

Arrange objects or information into groups based on similarities.

Prioritize

Create an order for information or ideas so that the most important is identified.

Separate

Break information or ideas into component parts to isolate their attributes.

Hypothesize

Suggest an idea or theory, often about the “why or how” of an event.

Symbolize

Generate a simple (usually drawn) representation of an idea or event.

Associate

Find connections or related elements between ideas or situations.

Analyze

Examine carefully, especially the essential parts of an object or information.

Evaluate

Judge the worth or value of an object, product, or idea based on criteria.

Need more?

OBSERVE

Clarify

Question

Investigate

Generalize

Draw Conclusions

Error-finding

Interpret

View from Multiple Perspectives

Identify

Critique

Predict