

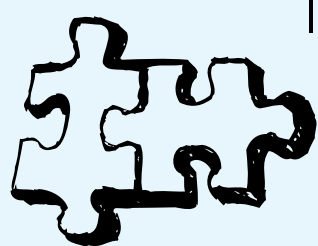


Critical and Creative Thinking Strategies

Each CCT strategy below is linked to a slidedeck that will give you more information about the strategy. If you'd like to learn even more, ask your school's AAC about doing a 5-hr coaching cycle. Check out the full list of PL offerings [here](#).

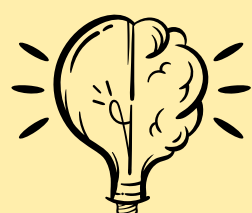
Analogies

Analogies allow students to make connections at a more sophisticated level.



Creative Problem Solving

The Creative Problem Solving Model is comprised of four stages that utilize divergent and convergent thinking.



Design Thinking

Design Thinking is a method for practical, creative resolution of problems, and creation of solutions.



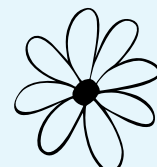
deBono's Thinking Hats

Edward deBono's Thinking Hats is a parallel thinking process that helps students be more productive, focused, and mindfully involved.



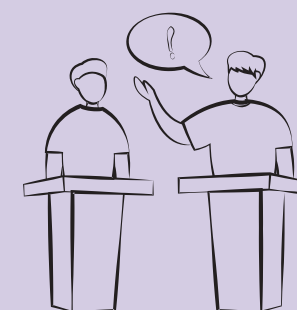
Depth and Complexity

The Depth and Complexity Icons are visual prompts designed to help students go beyond surface level understanding of a concept and enhance their ability to think critically.



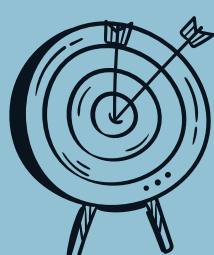
Debate

Debates are a series of presented arguments for and against a topic or question.



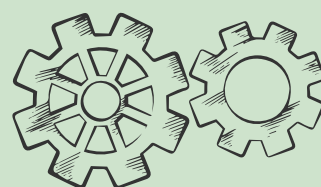
Encapsulation

Encapsulation is an important communication skill and processing strategy for students as they synthesize content.



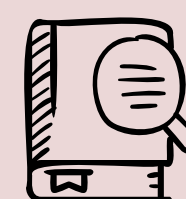
Fluency, Flexibility, Originality, Elaboration

FFOE is a creative thinking strategy that promotes divergent thinking and advanced problem-solving skills.



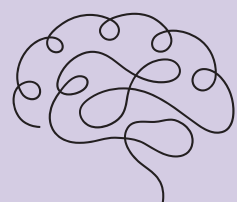
Frayer Model

The Frayer Model is a graphic organizer for building student vocabulary.



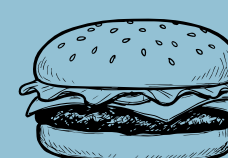
Habits of Mind

Habits of Mind are specific behaviors that human beings engage in when responding intelligently to problems.



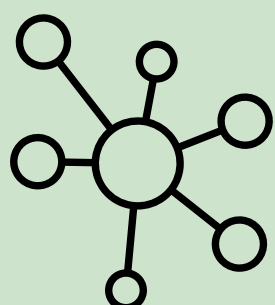
Hamburger Model for Persuasive Writing

In this strategy the visual of a hamburger is used to provide organizational structure for a paragraph or essay.



Mind Mapping

Mind mapping is a method of visual note taking that helps students organize information in unique and personal ways.



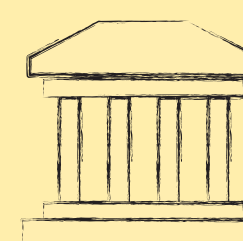
Literature Web

The Literature Web is a model designed to guide interpretation of a literature selection by encouraging a reader to connect personal response with particular elements of the text.



Overarching Concepts

Overarching concepts are utilized in concept-based instruction which focuses on teaching through "big ideas" and generalizations.





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Paul's Elements of Reasoning



This strategy emphasizes issue, purpose, point of view, assumptions, concepts, evidence, inferences, and implications or consequences.

Plus, Minus, Interesting (PMI)

PMI is a critical thinking tool used to generate discussion around the positives, negatives and interesting ideas associated with a particular idea or concept.



Problem Based Learning



PBL is a learning environment in which the problem drives the learning. Before students learn some knowledge they are given a problem.

Project Based Learning

Project Based Learning (PBL) is a teaching method in which students learn by actively engaging in real-world and personally meaningful projects.



Question Formulation Technique (QFT)

The overarching goal of QFT is to teach students to develop and ask questions that facilitate their learning and help them take ownership of their education.



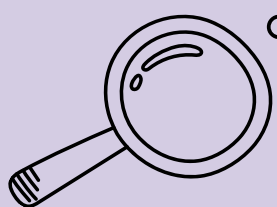
RAFT

A RAFT provides students with opportunities for developing products for designated audiences, based on specific topics, in a defined format, from a particular point of view.



Research Model

The Research Model provides a guide for students to use to acquire information while researching an issue of significance.



SCAMPER

SCAMPER is used to generate unique thought, explore relationships, and search for new or different combinations.



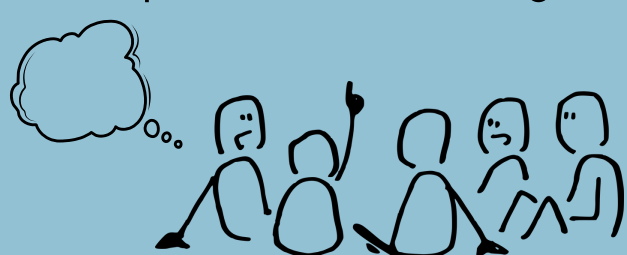
SEM-R



The Schoolwide Enrichment Model Reading Framework (SEM-R) is an enrichment-based reading program designed to stimulate interest in and enjoyment of reading, promote and develop higher reading achievement, and much more.

Socratic Seminar

A Socratic Seminar is a collaborative discussion that involves a thoughtful, open-ended dialogue.



Structured Academic Controversy

SAC is a highly structured, small group discussion that helps students gain a deeper understanding of an issue, find common ground, and make a decision based on evidence and logic.

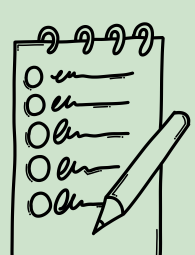
Synectics

Synectics is a critical and creative thinking strategy that focuses on making connections between unlike things.



Taba Concept Model

The concept development model focuses on the creation of generalizations from a student-derived list of created concepts.



Visualization

Visualization is a strategy that opens up student thinking by using sensory information to stimulate imagination with both spoken and written words.



Vocabulary Web

The Vocabulary Web is a tool for exploring words in depth.

