Applying Creative Thinking and Developing Creative Products

grades 9-12

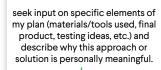|	Cultivating & Evaluating Ideas	Tolerating Risk & Ambiguity	Experimenting & Validating	SELF-ASSESSMENT Self-Awareness	SELF-ASSESSMENT Monitoring & Adapting
	How do I come up with new ideas or solutions and then decide which ones will work best for the situation or show my best ideas?	Am I willing and able to take risks, try alternative ideas, and stick with an unfamiliar challenge throughout the creative process?	What is my process for developing, testing, and refining my creative products or solutions to make them more clear, more imaginative, or more effective?	How am I using my curiosity, personal interests, and past learning to build my skills and confidence when taking on creative challenges?	How do I use feedback and new learning to evaluate progress, modify an approach, or redesign a product to better reflect my personal ideas?
Emerging	**I can...** collaboratively brainstorm novel ways to approach a creative challenge from different perspectives (with guidance, such as using a creative problem-solving model).	**I can...** generate approaches to imaginative products or practical real-world solutions and determine possible limitations for each creative challenge (skills, materials, tools, medium, etc.).	**I can...** identify how my personal skills and familiar techniques, materials, and resources can be used to develop a creative solution or product that reflects my own ideas or interpretation.	**I can...** with peers, use individual interests, skills, and motivations to define a creative challenge in different ways or to generate alternative approaches (with guidance, such as sample driving questions).	**I can...** select a creative challenge to work on from options generated by others (with guidance).
Developing	**I can also...** evaluate the novelty or the effectiveness of approaches or possible solutions.	**I can also...** plan a solution path for solving an imaginative or practical challenge that requires modified or unfamiliar approaches and addresses possible risks or constraints.	**I can also...** develop a prototype of my solution and test it or get feedback from others to determine possible improvements (with guidance, such as a feedback protocol).	**I can also...** develop a meaningful solution path to a challenge by integrating what I already know (familiar approaches or problems) with new ideas or information from other sources.	**I can also...** make a plan to get feedback from others so I can make possible improvement to a proposed solution.
Applying	**I can also...** seek input on specific elements of my plan (materials/tools used, final product, testing ideas, etc.) and describe why this approach or solution is personally meaningful.	**I can also...** carry out my plan for developing a creative solution that reflects my ability to work through challenges and is personally meaningful.	**I can also...** summarize the process I used at each step: developing a product, testing it or getting feedback, and deciding what changes were needed.	**I can also...** use examples of decisions made during the creative process to describe how I'm applying new learning, developing personal insights, or overcoming limitations.	**I can also...** analyze what helped me to make progress at each step: using input on specific elements of my plan and refining or personalizing my solution.
Extending	**I can also...** describe how I was able to convey my interests, personal insights, or novel ideas in solving a challenge.	**I can also...** evaluate the effects of approaches used and decisions made throughout the creative process and suggest how my learning might be applied to challenge established social, cultural, or artistic norms.	**I can also...** analyze alternative approaches that could have increased applying my personal insights or advanced the overall quality of my final product (clarity, effectiveness, or uniqueness).	**I can also...** analyze how using creative problem-solving processes helps me to pursue interests, seek out supportive resources or environments, and share ideas or products that positively affect others.	**I can also...** use examples from this challenge to evaluate how solving a personally meaningful challenge can be used in future challenges.