



Creative Problem-Solving Assignment

Objective: Assess and enhance students' creative problem-solving skills through the use of the Creative Problem-Solving Test from Psychology Today followed by a reflective and practical application project

Introduction:

- Explain the purpose and objectives of the Creative Problem-Solving Assignment.
- Highlight the importance of creative problem-solving skills in academic and real-world contexts.

2. Administer the Creative Problem-Solving Test:

- Instruct students to take the Creative Problem-Solving Test from Psychology Today found at: <https://www.psychologytoday.com/us/tests/career/creative-problem-solving-test>
- Ensure students understand the test format and provide any necessary instructions.

3. Reflective Essay:

- After completing the test, ask students to write a reflective essay on their results.
- **Guidelines for Reflective Essay:**
 - Discuss your test results and what they reveal about your problem-solving approach.
 - Reflect on your strengths and areas for improvement in creative problem-solving.
 - Consider how your problem-solving skills have been applied in past experiences.

4. Problem-Solving Project:

- Design a project where students apply their creative problem-solving skills to address a real-world issue.
- **Project Guidelines:**
 - Choose a global challenge or local issue to address (e.g., climate change, poverty, food insecurity).
 - Conduct research on the chosen issue and identify potential solutions.
 - Develop a creative and practical solution to the problem.
 - Collaborate with peers to refine and present the solution.

5. Presentation:

- Organize a presentation session where students showcase their problem-solving projects to the class.
- Encourage peer feedback and discussion.

6. Reflection:

- Use reflective prompts to encourage students to think about their learning experiences and the connections to creative problem-solving.

- **Example Prompts:**

- "How did your test results influence your approach to the problem-solving project?"
- "What creative strategies did you use to develop your solution?"
- "How did collaborating with your peers enhance your problem-solving process?"

7. Assessment:

- Assess student learning through the reflective essay, problem-solving project, and presentations.
- Focus on the development of creative thinking, problem-solving skills, and collaborative learning.

Assessment 1: Reflective Essay

Objective: Assess students' reflections on their creative problem-solving skills and test results.

Guidelines for Reflective Essay:

1. Introduction:

- **Test Results:** Explain your test results and what they reveal about your problem-solving approach.
- **Personal Insights:** Reflect on your strengths and areas for improvement in creative problem-solving.

2. Application of Skills:

- **Past Experiences:** Discuss how your problem-solving skills have been applied in past experiences.
- **Future Development:** Consider how you can further develop your creative problem-solving skills.

3. Conclusion:

- **Summary:** Summarize your reflections and insights.
- **Action Plan:** Outline steps you will take to improve your problem-solving skills.

Rubric:

Criteria	Excellent (4)	Good (3)	Satisfactory (2)	Needs Improvement (1)
Test Results	Clear and insightful explanation	Good explanation	Basic explanation	Unclear or weak explanation
Personal Insights	Deep and well-articulated reflection	Good reflection	Basic reflection	Weak or unclear reflection
Application of Skills	Comprehensive discussion of past experiences	Good discussion	Basic discussion	Incomplete or unclear discussion
Future Development	Thoughtful and detailed action plan	Good action plan	Basic action plan	Weak or unclear action plan

Criteria	Excellent (4)	Good (3)	Satisfactory (2)	Needs Improvement (1)
Summary	Clear and concise summary	Good summary	Basic summary	Unclear or incomplete summary

Assessment 2: Problem-Solving Project

Objective: Assess the quality and effectiveness of the problem-solving project in addressing the chosen issue.

Criteria for Evaluation:

1. Content and Research:

- **Depth of Research:** Evaluate the thoroughness and accuracy of the research conducted on the issue.
- **Relevance:** Assess how well the content addresses the chosen issue and its implications.
- **Integration of Sources:** Evaluate the use of reliable sources and the integration of interdisciplinary perspectives.

2. Creativity and Solution Development:

- **Innovation:** Assess the originality and creativity of the solution.
- **Practicality:** Evaluate the feasibility and practicality of the solution.
- **Collaboration:** Assess the collaboration and communication within the group.

3. Presentation:

- **Clarity:** Evaluate the clarity and effectiveness of the presentation.
- **Engagement:** Assess how well the presentation engages the audience and conveys the importance of the issue.
- **Call to Action:** Evaluate the effectiveness of the project's call to action or proposed solutions.

Rubric:

Criteria	Excellent (4)	Good (3)	Satisfactory (2)	Needs Improvement (1)
Depth of Research	Thorough and accurate research with diverse sources	Good research with relevant sources	Basic research with limited sources	Incomplete or inaccurate research
Relevance	Highly relevant content addressing the issue	Relevant content with clear connections	Some relevance but lacks depth	Irrelevant or unclear content
Integration of Sources	Seamless integration of	Good integration of sources	Basic integration of sources	Poor integration of sources

	interdisciplinary perspectives			
Innovation	Original and highly creative solution	Creative solution with some originality	Basic creativity	Lacks creativity
Practicality	Highly feasible and practical solution	Feasible and practical solution	Basic feasibility	Impractical or unfeasible solution
Collaboration	Excellent collaboration and communication	Good collaboration and communication	Basic collaboration	Poor collaboration
Clarity	Clear and effective presentation	Good presentation	Basic presentation	Unclear or ineffective presentation
Engagement	Highly engaging and impactful	Engaging and impactful	Some engagement	Lacks engagement
Call to Action	Highly effective call to action	Effective call to action	Basic call to action	Ineffective call to action