

SN	Area of evaluation	4 EXCELLENT	3 BEST	2 GOOD	1 SATISFACTORY	CLASS SIZE 30	4 EXCELLENT	3 BEST	2 GOOD	1 SATISFACTORY										
1	Use a wide range of idea creation techniques (brainstorming etc...)	Engages in multiple idea creation techniques and fully participates by offering insightful questions and listening well to others in the group.	Engages in idea creation techniques and participates by offering ideas	Did not offer ideas during the idea creation, but listened actively to other group members	Did not actively participate in idea creation		19	5	5	1										
2	Creates new and worthwhile ideas using both incremental and radical concepts	Consistently develops new and valuable ideas using both existing and new knowledge, as well as existing and new resources	Develops new and valuable ideas using both existing and new knowledge, as well as existing and new resources	Develops new and valuable ideas using existing knowledge and resources	Does not attempt to develop new and valuable ideas	<p>VARIATION and IMPACT of PROJECT BASED STUDY</p> <table border="1"> <thead> <tr> <th>Level</th> <th>Count</th> </tr> </thead> <tbody> <tr> <td>EXCELLENT (4)</td> <td>19</td> </tr> <tr> <td>BEST (3)</td> <td>5</td> </tr> <tr> <td>GOOD (2)</td> <td>5</td> </tr> <tr> <td>SATISFACTORY (1)</td> <td>1</td> </tr> </tbody> </table>					Level	Count	EXCELLENT (4)	19	BEST (3)	5	GOOD (2)	5	SATISFACTORY (1)	1
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3	Elaborates, refines, analyzes and evaluates their own ideas in order to improve and maximize creative efforts	Extensive reflection of own ideas and incorporates changes in creative efforts demonstrating an understanding of the value of analysis and implementation of change	Reflects on own ideas and incorporates changes in creative efforts to improve the value of their work	Reflects on own ideas and attempts to incorporate changes in creative efforts to improve the value of their work	Attempts to reflect on own ideas															
4	Develop, implement and communicate new ideas to others effectively	Develops, implements and communicates new ideas to others effectively in a variety of conditions	Develops, implements and communicates new ideas to others effectively	Develops, implements and attempts to communicate new ideas to others	Develops new ideas, but does not effectively implement or communicate ideas with others															
5	Be open and responsive to new and diverse perspectives; incorporate group input and feedback into the work	Consistently and thoroughly listen to diverse views and incorporate in work	The ability to listen to diverse views and incorporate in work	Listens to diverse views but does not effectively incorporate in work	Does not listen to other views															

6	Demonstrate originality and inventiveness in work and understand the real world limits to adopting new ideas	Consistently demonstrates creativity and is realistic about the limits of the situation in a variety of situations	Demonstrates creativity and is realistic about the limits of the situation	Demonstrates creativity but does not have a realistic understanding of the limits of the situation	Does not demonstrate creativity
7	View failure as an opportunity to learn; understand that creativity and innovation is a long-term, cyclical process of small successes and frequent mistakes	Embraces the idea that attempting/experimenting is an important part of the path of success and approaches opportunities with an understanding that many failed attempts are likely	Understands the importance of attempting/experimenting is an important part of the path to success, including failed attempts	Understands the importance of attempting/experimenting is an important part of the path to success, but does not understand this includes failed attempts as well	Does not understand how failed attempts are part of the process that leads to success
8	Act on creative ideas to make a tangible and useful contribution to the field in which the innovation will occur	Continuously applies creative ideas to make a real and useful contribution to their work	Applies creative ideas to make a real and useful contribution to their work	Develops creative ideas, but does not make a contribution	Attempts to develop creative ideas
9	Use various types of reasoning as appropriate to the situation	Uses various types of reasoning as appropriate to the situation in a variety of conditions	Uses various types of reasoning as appropriate to the situation	Uses reasoning as appropriate to the situation	Attempts to use reasoning as appropriate to the situation
10	Analyze how parts of a whole interact with each other to produce overall outcomes in complex systems	Recognizes and is able to manipulate parts of a system to come together to accomplish something	Recognizes how the parts of a system work together to accomplish something	Identifies parts of a system but cannot explain how they work together	Is only able to identify the parts as one, rather than each part individually

11	Effectively analyze and evaluate evidence, arguments, claims and beliefs	Consistently is successful at analyzing and evaluating evidence, arguments, claims and beliefs	Is effective in analyzing and evaluating evidence, arguments, claims and beliefs	Is not thorough at analyzing and/or evaluating evidence, arguments, claims and beliefs	Does not complete analysis or evaluation of evidence, arguments, claims or beliefs
12	Effectively analyze and evaluate major alternative points of view	Embraces learning about material from different points of view and is non-judgmental in analyzing the material	When analyzing and evaluating material is non-judgmental	Believes they are able to analyze and evaluate material from a different point of view without being judgmental, but is not successful	Does not respect the view point of others while analyzing and evaluating material from a different point of view
13	Effectively synthesizes and makes connections between information and arguments	Is able to apply the connections between information and arguments in order to support a perspective	Is able to understand and make the connections between information and arguments	Is able to understand there is a connection between information and arguments, but is not able to determine what they are on their own	Does not attempt to understand the connection between information and arguments
14	Effectively interpret information and draw conclusions based on the best analysis	Is able to look at complex information and successfully draw conclusions and apply to situation	Is able to look at information and successfully draw conclusions	Looks at information and sometimes is able to draw conclusions	Looks at information, and rarely is able to draw a conclusion
15	Reflect critically on learning experiences and processes	Thoroughly reflects critically on learning experiences and processes and applies to future work	Reflects critically on learning experiences and processes	Attempts to reflect on learning experiences and processes	Does not reflect on learning experiences and processes

16	Effectively solve different kinds of non-familiar problems in both conventional and innovative ways	Effectively develops and utilizes multiple techniques to engage in problem solving and can articulate reason for choosing	Effectively utilizes multiple techniques to engage in problem solving	Effectively problem solves but does not utilize multiple techniques	Is not successful in utilizing problem solving techniques
17	Effectively identify and ask significant questions that clarify various points of view and lead to better solutions	Effectively identify and ask significant questions that clarify various points of view and lead to better solutions in a variety of conditions	Effectively identify and ask significant questions that clarify various points of view and lead to better solutions	Asks questions with the purpose of reaching a better solution, but fails to consider other points of view	Does not attempt to make inquiries to understand other points of view for the purpose of reaching a better solution
18	Articulate thoughts and ideas effectively using oral, written and nonverbal communication skills in a variety of forms and contexts	Worked creatively to craft and present a comprehensive multimedia presentation that uses both verbal and nonverbal communication.	Communicated thoughts and ideas by crafting and presenting a multimedia presentation using both verbal and nonverbal communication.	Creates a multimedia presentation but does not effectively address/communicate using both verbal and nonverbal communication	Either creates a multimedia presentation but does not present, or fails to complete the multimedia presentation, thus does not communicate using both verbal and nonverbal communication
19	Listen effectively to decipher meaning, including knowledge, values, attitudes and intentions	Thoughtfully reflected on and identified constructive ways to apply the knowledge, values, attitudes and intentions of the message	Effectively reflected on the meaning, values, attitudes and intentions of the message	Attempts to listen to the message and reflect on the meaning of the message, but misses key information, values, attitudes or intentions and misses the importance of the message	Listens to the message but does not demonstrate understanding of the message by not reflecting on the meaning

20	Use communication for a range of purposes (e.g. to inform, instruct, motivate and persuade)	Effectively uses communication to inform, instruct, motivate and persuade on multiple occasions using both verbal and nonverbal communication	Uses communication to inform, instruct, motivate and persuade	Communicates only to inform or instruct	Communicates only to inform and does not demonstrate communicating for other purposes
21	Utilize multiple media and technologies, and know how to judge their effectiveness as well as assess their impact	Worked creatively to craft a comprehensive product using multiple media and technologies and thoughtfully reflected on the effectiveness and impact of the product	Crafted a product using multiple media and technologies and reflected on the effectiveness and impact of the product	Crafted a product using multiple media and technologies but did not effectively reflect on the effectiveness and impact of the product	Attempted but did not complete crafting a product using multiple media and technologies and did not effectively reflect on the effectiveness and impact of the product
22	Communicate effectively in diverse environments (including multi-lingual)	Communicates effectively with others in diverse environments using both verbal and nonverbal communication	Communicates effectively with others in diverse environments	Communicates with others in a diverse environment, but fails to communicate effectively with others	Fails to communicate with others in a diverse environment
23	Demonstrate ability to work effectively and respectfully with diverse teams	Consistently listens to others. All statements, responses and body language, are respectful and appropriate. Always listens to, shares with, and supports the efforts of others.	Listens to, shares and supports others. Statements and responses are respectful and appropriate body language was exhibited.	Most statements, responses and body language are respectful; occasionally had a negative tone. Does not always listen to, share with, and support the efforts of others.	Statements, responses and/or body language were consistently not respectful. Rarely listens to, shares with, and supports the efforts of others
24	Exercise flexibility and willingness to be helpful in making necessary compromises to accomplish a common goal	Always listens to ideas and demonstrates compromise allowing the group to meet its full potential.	Is willing to compromise with group to accomplish a common goal.	Attempts to compromise with group to accomplish a common goal, but sometimes interferes group from meeting its full potential.	Typically does not compromise with group to accomplish a common goal, and often interferes with group from meeting its full potential.

25	Assume shared responsibility for collaborative work, and value the individual contributions made by each team member	Motivates all members to share in contributions equally by valuing all members' ideas and contributions.	Participates and contributes to group's work equally. Values all members' ideas and contributions.	Attempts to share responsibility of groups' work, but ends up completing most of the work, without utilizing input of others in group.	Either does most or very little of the group's work and does not share or respect others' ideas.
26	Access information efficiently (time) and effectively (sources)	Identifies the key concepts of the research being conducted, acts on informed decisions to revise the search and selects information based on reliability of resource in order to access information efficiently and effectively	Considers more than one strategy or tool when engaged in the digital information fluency process if the first strategy or tool is ineffective	Demonstrates an attitude of adaptability to respond to inconclusive or ineffective search results and continues process without giving up	Completes simple research strategies and sources, often not retrieving accurate or complete information
27	Evaluate information critically and competently	Thoroughly evaluates the reliability of the source and the information researched, using internal and external validation	Thoroughly evaluates information researched, using internal and external validation	Evaluates information researched but not thoroughly	Does not evaluate information