

Innovation Rubric

Beginning

Developing

Proficient

Thinking Creatively

Suggests obvious or previously attempted solutions

Defers to others in brainstorming process

Demonstrates limited ability to express thinking

Shows limited ability to test ideas or invite feedback

Gives up when ideas don't work or are not well received by others

Can think beyond conventional or previously tried solutions

Learns to build on others' ideas

Can make visual representations of thinking (such as sketches)

Shows ability to prototype, test and evaluate ideas

May be frustrated by failed attempts

Uses multiple strategies to generate original ideas

Can lead others in brainstorming

Can represent thinking in various forms so that others can understand and respond to ideas (such as sketches, prototypes, or storyboards)

Can use iterative process to prototype and evaluate, elicit feedback, and synthesize to improve on ideas

Can learn from failure (one's own and others') and document process to improve future results

Work Creatively With Others

Listens to others' ideas and suggestions

Contributes to team when asked

Shares ideas and offers useful feedback to team members

Is open-minded

Shows responsibility to team effort

Actively contributes original ideas and feedback to team

Amplifies others' thinking and models how to build on good ideas

Shows leadership in helping advance team effort

Beginning	Developing	Proficient
Implement Ideas		
May be frustrated by challenges and setbacks Shows limited ability to plan action steps Learns to manage time effectively	Understands how to meet goals with manageable steps Shows some persistence in face of setbacks	Can manage project timeline and envision and successfully respond to potential challenges Able to advocate for solutions and garner support from others

Innovation Comments - the student would have earned a higher score if the student provided ...

Creative Thinking Skills

Using multiple strategies to generate original ideas

- Provide a flowchart, diagram or list to visually and graphically communicate your use of multiple strategies
- Provide two or more thinking maps (brainstorming charts, idea bubbles, attribute analysis) that the group used...indicating who contributed to what; also, the flow/generation of ideas should be chronological

Leading others in brainstorming

- Show a timeline with ideas and sketches plotted along the timeline to show how your leadership influenced the evolution of the design
- Provide a timeline, flowchart or storyboard with ideas (titles, small sketches, author) that showed the progression and evolution of your ideas
- Provide a brainstorming bubble map with annotations showing who generated which idea in support of your narrative claims
- You would have achieved a higher score if you had a more detailed brainstorming idea bubble chart showing the idea and the author; even better if you show on the connecting arrows who had the key idea or comment that led to the derivative idea. Goal is to visually show how the ideas were generated (from multiple sources) ... which is a skill that will lead to success in Cri B of the MDP

Representing thinking in various forms so that others can understand and respond to ideas (such as sketches, prototypes, or storyboards)

- Provide a drawing or storyboard showing the evolution of a design with annotations and sketches with a timeline of testing, failure, and idea changes. I want to see more visual evidence (diagrams, drawings, sketches) that are not just a one shot of an idea, but the evolving of the idea as you build prototypes, iterate and improve after failure.

Use of iterative process to prototype and evaluate, elicit feedback, and synthesize to improve on ideas

I want to see you successively refine a single idea with sketches, improvements, prototypes, testing - and show the evolution of the device or idea over successive refinements

Provide visual, graphical evidence of iterative prototyping and how your designs evolved

Show pictures or sketches of first design and then revised design; best if you storyboard the sketches or photos to show chronological change over time

Provide a storyboard drawing that demonstrates both use of iterative process and representation of your thinking process in a dynamic, change over time storyboard for one of the ideas you or your team had on this project

Working Creatively with Others (Group Work)

Actively contributing original ideas and feedback to team

- Explain how you contributed in a diagram or storyboard
- Provide evidence-based arguments explaining how you actively provided original ideas and feedback
- Provide a series of sketches - showing what you proposed....or what someone else proposed and then a second sketch (storyboard style) on how you improved the idea
- Present a storyboard or timeline showing the development of an idea (author, sketch, position in the flowchart to show sequence) to give a better picture of how ideas evolved, changed, and were influenced by you or other team members
- No flow charts, tables or brainstorming charts presented as evidence in support of your claims. You would have earned a high score if you presented a storyboard or timeline showing the development of an idea (author, sketch, position in the flowchart to show sequence) to give a better picture of how ideas evolved, changed, and were influenced by you or other team members; there is one image (but no caption) - not sure how it relates to evidence in support of either instance of Creativity Working in Groups

Amplifying others' thinking and models how to build on good ideas

- All descriptive narrative about the group's dynamics; but there was no anecdotal evidence to support the claims. If I were assessing you tablemates and said they were lazy.....I would have to give an instance where they were given a job and they just

played iPhone video games with a friend at another table and didn't produce....I just could not claim they were lazy without evidence.

Showing leadership in helping advance team effort

- Provide specific anecdotal evidence on one or two ideas where your leadership advanced the team - with pictures of initial design or prototype and improved design (sketch or prototype)
- You provided all narrative; you give several good anecdotal examples, but there is no "evidence" such as pictures and captions demonstrating your contribution. I recommend taking daily pictures of your making and taking extensive pictures of your final prototype (still and being operated) so you have a library of evidence to support your claims