

Team Presentation Rubric

0	1	2	3	4	5
No Points Requirements missing.	Poor Poor-Fair quality. Fulfills at least 20% of requirements.	Fair Fair-Average quality. Fulfills at least 50% of requirements.	Good Average quality. Fulfills at least 90% of requirements.	Very Good Above average quality. Fulfills 100% of requirements.	Excellent Excellent quality. Fulfills 100% of requirements. Additional distinctive features.

I. KNOWLEDGE (30 POINTS)	0	1	2	3	4	5
1. City design & features <ul style="list-style-type: none"> City features, benefits, and aesthetics Geography, demographics or distinctive characteristics Unique infrastructure and services (e.g., transportation, urban agriculture, energy, waste or pollution control) 	No description.	Poor description, with few benefits or innovations discussed. Little explanation or not believable.	Fair description of the city. Some distinctive benefits and innovations explained. Somewhat futuristic and believable.	Good overall description of the city. Many distinctive benefits and innovations explained. Somewhat futuristic and believable.	Very good description of city. Many benefits and innovations explained. Futuristic and believable.	Excellent description of city. Highly innovative technology applied throughout. Explained in detail. Futuristic and believable.
2. Technologies used in city <ul style="list-style-type: none"> Innovations in technology and futuristic concepts Discusses solutions to problems: transportation, utilities, services, urban agriculture, etc. 	No discussion.	Little discussion of technologies in city, little innovation.	Some discussion of technologies, little innovation.	Good discussion of technological solutions to problems. Somewhat innovative.	Very good discussion of technological solutions to problems. Innovative.	Excellent discussion of technological solutions to problems. Highly innovative, plausible.
3. Essay topic (urban agriculture) <ul style="list-style-type: none"> Discusses essay topic: urban agriculture Explains how the theme influenced the city design or development 	No discussion.	Refers to essay briefly; little or no discussion of other program components.	Briefly discusses essay topic and solution. No real supporting facts. Little explanation of how their city design incorporates the theme.	Discusses the essay topic and solution; some supporting facts. Solution is adequate, somewhat innovative. Somewhat explains how their city design incorporates the theme.	Discusses the essay topic and solution. Good supporting facts. Solution innovative or futuristic. Fully explains how their city design incorporates the theme.	Discusses the essay topic and solution with excellent supporting facts. Excellent explanation of how their city design incorporates the theme.
4. Engineering & design process <ul style="list-style-type: none"> Discusses the application of engineering design process to the FC project: <ul style="list-style-type: none"> Defines the problem Outlines requirements Discusses solution Demonstrates a knowledge of engineering roles in city design and operation 	No discussion.	Mentions engineering, but little discussion of roles or design process.	Briefly discusses and shows limited understanding of engineering and role of engineer. Little discussion of engineering design process.	Discusses and shows understanding of engineering role. Presents some knowledge of engineering design process.	Good understanding of engineering role and engineering design process.	Excellent understanding of engineering and engineering design process.
5. Tradeoffs <ul style="list-style-type: none"> Discusses potential limitations and benefits Analyzes tradeoffs 	No mention.	Little mention of limitations or benefits. No tradeoffs.	Some discussion of limitations, benefits or tradeoffs.	Good analysis of limitations and benefits. Mentions tradeoffs.	Very good analysis of risks, limitations and benefits and the tradeoffs made.	Excellent analysis of risks, limitations and benefits and the resulting tradeoffs.

Team Presentation Rubric

0	1	2	3	4	5
No Points Requirements missing.	Poor Poor–Fair quality. Fulfills at least 20% of requirements.	Fair Fair–Average quality. Fulfills at least 50% of requirements.	Good Average quality. Fulfills at least 90% of requirements.	Very Good Above average quality. Fulfills 100% of requirements.	Excellent Excellent quality. Fulfills 100% of requirements. Additional distinctive features.

I. KNOWLEDGE (30 POINTS) (continued)	0	1	2	3	4	5
6. Questions and answers <ul style="list-style-type: none"> Answers questions with confidence Accurate, complete answers 	Unable to answer questions coherently.	Answers a few questions accurately. No supporting facts.	Students answer at least 50% of the questions accurately, few supporting facts.	Students answer 90% of questions with accuracy and some supporting facts.	Answers 100% of the questions accurately with some supporting detail.	Students fully, accurately, and confidently answer all questions with many supporting details.
II. PRESENTATION SKILLS (25 POINTS) (continued)	0	1	2	3	4	5
7. Presentation content, organization <ul style="list-style-type: none"> Major elements: intro, body, and conclusion Logical flow, transitions between elements Supporting info (definitions, examples, statistics, quotes, etc.) Concise, relevant 	Poorly organized and no major elements addressed.	Poorly organized and missing some major elements. Little relevant information.	Fair organization. Contains most major elements. Some relevant, supporting information. Some transitions.	Fulfills all requirements (major elements, transitions, supporting info that could be more relevant, concise). Could develop ideas more thoroughly.	Well organized and contains all major elements. Supporting info is relevant, concise, but could be better.	Extremely well organized and creative. Variety of effective supporting information providing credibility. Concise, relevant.
8. Presentation skills <ul style="list-style-type: none"> Fluent, clear, audible delivery Correct grammar and appropriate language use Upright posture with practiced use of visual aids Overall confident, direct, and animated delivery 	Poor skills throughout.	A few verbal and nonverbal skills are fairly well done but needs more practice to improve in most areas.	Fair to good skills for the majority of the presenters.	Good verbal and nonverbal skills for most presenters; somewhat confident and direct.	Very good verbal and nonverbal skills by most of team throughout most of the presentation.	Excellent verbal and nonverbal skills by all presenters throughout the presentation Very confident, direct, and animated delivery.
9. Model as a demonstration aid <ul style="list-style-type: none"> Model is a key element of entire delivery Creatively uses model to illustrate city features Model enhances, rather than distracts from, presentation 	Model not referenced.	Model referenced but does not enhance presentation.	Model is used and is partially effective at enhancing the presentation.	Good use of the model as an illustration of city design and function.	Very good model use; integrated smoothly into the presentation and helped to illustrate city design, function and innovations.	Extremely creative, integrated use of model; contributed significantly to the understanding of city design, function and innovations.

CONTINUED ON NEXT PAGE

Team Presentation Rubric

0	1	2	3	4	5
No Points Requirements missing.	Poor Poor–Fair quality. Fulfills at least 20% of requirements.	Fair Fair–Average quality. Fulfills at least 50% of requirements.	Good Average quality. Fulfills at least 90% of requirements.	Very Good Above average quality. Fulfills 100% of requirements.	Excellent Excellent quality. Fulfills 100% of requirements. Additional distinctive features.

II. PRESENTATION SKILLS (25 POINTS) (continued)	0	1	2	3	4	5
10. Other demonstration aids <ul style="list-style-type: none"> Additional visual aids, if used (posters, props, costumes, handouts) are neat and well-prepared All aids enhance, rather than distract from, presentation Delivery with all visual aids is well practiced and confident 	No visual aids.	Poorly designed visual aids, did not enhance presentation.	Fair to good visual aids; somewhat added to presentation.	Good use of effective visual aids that generally added to the presentation.	Very good visual aids that enhanced the presentation of the city design and function.	Excellent, well designed, constructed and creatively used visual aids that integrated well into the presentation and enhanced understanding of city design and function.
11. Teamwork during presentation and Q&A <ul style="list-style-type: none"> Team members supported each other Team members shared time equally Team members displayed an equal amount of knowledge Full complement of team members (three students) 	No evidence of teamwork.	A small amount of collaboration among team members but more support of one another is needed; one or two tend to dominate during both presentation and Q&A.	Some collaboration, some support and sharing among some team members. Amount of knowledge appears unequal. One or two tend to dominate during either presentation or Q&A.	Good collaboration, support and sharing among most members. Full complement of three team members. Some team members have more knowledge and dominate.	Very good collaboration, support and sharing among the team on both Q&A and presentation. Equivalent knowledge level for most of team. Full complement of three team members.	Excellent collaboration, support and sharing among all team members. Equivalent knowledge level for all. Full complement of three team members. No one dominates.
III. JUDGE ASSESSMENT OF PRESENTATION (15 POINTS)	0	1	2	3	4	5
12. Gets it: city design and requirements <ul style="list-style-type: none"> Demonstrates an understanding of city issues, requirements and operation Excellence in city design 	No city design or understanding of issues.	Overall city design is lacking. Little understanding of issues.	Overall city design is fair. Some understanding of issues.	Overall city design is good. Good understanding of issues driving the requirements.	Overall city design is very good. Understanding of issues and requirements is reflected in design.	Excellent city design shows very good understanding of issues and requirements that influenced decisions.
13. Gets it: engineering, technology and innovation <ul style="list-style-type: none"> Demonstrates an understanding of technology used in city Solutions proposed are innovative Technologies are futuristic, but plausible extrapolations of current state-of-the-art 	No understanding of technology. No plausible innovation.	Little understanding of technology. Little innovation that is plausible.	Fair understanding of technology. Few plausible innovative solutions.	Good understanding of technology. Some innovative solutions and plausible technological advancements.	Very good understanding of technology. Innovative and advanced technological solutions that are plausible.	Excellent understanding of the technologies used. Solutions are innovative and advanced technologies are plausible.

Team Presentation Rubric

0	1	2	3	4	5
No Points Requirements missing.	Poor Poor–Fair quality. Fulfills at least 20% of requirements.	Fair Fair–Average quality. Fulfills at least 50% of requirements.	Good Average quality. Fulfills at least 90% of requirements.	Very Good Above average quality. Fulfills 100% of requirements.	Excellent Excellent quality. Fulfills 100% of requirements. Additional distinctive features.

III. JUDGE ASSESSMENT OF PRESENTATION (15 POINTS) (continued)	0	1	2	3	4	5
14. Gets it: Future City and design process <ul style="list-style-type: none"> Understands the integration of the Future City project/process from initial design, virtual city design, research, model and presentation Understands engineering and the engineering design process 	No understanding.	Demonstrated little understanding of Future City process or engineering design process.	Demonstrated fair understanding of Future City process or engineering design process.	Showed good understanding of the Future City process and engineering design process.	Very good understanding of the Future City process. Applied the engineering design process to much of the project.	Excellent understanding of the Future City process. Applied engineering design process throughout project.