Rubric – your group will be graded based on the components below. Please read it carefully to fully understand how to receive the grades associated with each component.

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| Component | Exceeding | Meeting | Approaching | Below |
| Final PPT template  *I can compare a range of design concepts, and select a preliminary design that best meets the identified constraints,  criteria, and needs of the stakeholders* | Shows evidence of all components of a meeting meeting AND  Shows evidence of deep and clear understanding of the scientific concepts behind the presented solution | Completed all five tasks in the template  Components are accurate and evident in the final product  Demonstrated clear understanding of the initial problem and the design process | Completed most tasks in the template  Components are mostly accurate and   evident in the final product  Demonstrated some understanding of the initial problem and the design process | Completed few tasks in the template  Components contain multiple inaccuracies and/or are not evident in the final product.  Demonstrated limited understanding of the initial problem and the design process |
| Product visualization  *I can demonstrate form and functionality of the design by creating a working prototype (3D model, simulation, paper drawing)* | Refined drawing and/or physical prototype that: prototype  Meets all constraints  Functionality exceeds expectations of detailed final design  Effectively communicates form of detailed final design and exhibits professional level quality craftsmanship | Refined drawing and/or physical prototype that:  Meets all constraints  Functionality aligns clearly with detailed final design  Effectively communicates form of detailed final design and exhibits quality craftsmanship | Refined drawing and/or physical prototype that:  Meets most but not all constraints  Functionality approaches expectations of detailed final design  roughly communicates form of detailed final design | Refined drawing and/or physical prototype that:  Meets few constraints  Insufficiently demonstrates basic functionality of detailed final design  Does nor communicate the basic form of the detailed final design |
| In class presentation  *I can clearly communicate the detailed final design to an external audience?* | All members of the team show clear evidence of practice, preparation and knowledge of the task | Most members of the team show clear evidence of practice, preparation and knowledge of the task | Some members of the team show evidence of practice, preparation and knowledge of the task | Few to no members of the team show evidence of practice, preparation and knowledge of the task |