

3D Printed Object Live Challenge Scoring

The live event will entail a team presentation of the product to the judges. Judges will not only judge the product, but also respond with constructive criticisms. Team will have to respond to criticisms with their design and engineering expertise.

The event will be judged by the following four components:

1. **Usefulness:** 5 points
2. **Design:** 10 points
3. **Aesthetics:** 5 points
4. **Team Presentation/Response:** 10 points

Live Challenge Scoring Rubric - 3D Printed Object

Team: _____

| Category | Exemplary | Proficient | Partially Proficient | Incomplete | Points |
|--|--|--|--|--|--------|
| USEFULNESS: | 5 points | 3 points | 1 point | 0 points | |
| The functional and popularity of object use in populations. | The usefulness of the object has far reaching positive consequences to the world. | The usefulness of the object will have a mass appeal to populations. | The usefulness of product is established but may be limited to a small population. | The use of product is nonexistent or extremely limited to a few individuals. | |
| DESIGN: | 5 points | 3 points | 1 point | 0 points | |
| The design works. | The product achieves not only the extent of the objective established but have potential to evolve into other uses and products. | The design product works at most extents of the objective stated by presenter. | The design product works to a limited extent. | The product does not work as it set out to in the description. | |
| DESIGN COMPLEXITY | 5 points | 3 points | 1 point | 0 points | |
| The sophistication of a well-designed product. | The product is thoroughly efficient and designed. | The design exhibit shows complexity of thought, but not well executed. | The design shows some integrity and potential. | The design is poor and lacks integrity. | |
| AESTHETICS: | 5 points | 3 points | 1 point | 0 points | |
| The beauty of the product | The design aesthetics of product is both attractive and functional. | The product is attractive and has some design details. | The product is functional but lacks design flair. | The design is messy and/or non-functional. | |
| PRESENTATION: | 5 points | 3 points | 1 point | 0 points | |
| Team oral presentation of product | Team prepared an exceptional and thorough pitch of their product. | Team prepared a solid presentation about their product. | Team presented basic details about their product. | Team had very little to say about their product. | |
| TEAM RESPONSE | 5 points | 3 points | 1 point | 0 points | |
| Oral response to constructive criticisms | Team expertly demonstrates several design solutions to respond to product criticisms. | Team provides a decent design solution to constructive criticism. | Team responds weakly with design solutions to constructive criticisms of product. | Team was unable to respond to constructive criticisms of product. | |
| Total Points (30 Max) | | | | | |