

## Rules

1. Must complete a design proposal, see [design proposal page](#) for guidelines
2. Must fit and prepare 12 Johnsonville brats within one hour of lighting the grill.
  - The prepared brats must be cooked to a food safe temperature of 160 degrees
  - The brats must not be charred or burnt
3. Must be portable meaning each school is responsible for transporting their own grill to and from the unveiling.
4. Must incorporate *Project G.R.I.L.L.*, Sponsor, and School logos
5. Must include a way to control grill air flow
6. Structure and finish must be able to withstand normal grilling use
7. Must use charcoal
  - no more than 20 pounds of charcoal
  - one container of lighter fluid
  - one box of matches
8. Must complete presentation at unveiling, see [presentation page](#) for guidelines
9. Must show costing of the whole project
  - must include [preliminary budget](#)
  - must include [Bill Of Materials](#)
  - must produce [final project cost](#)

**Evaluation Point System:** A point system will be used to determine how well each team has utilized this handbook to keep their project on course. When the handbook is used along each step of the process, the team will score favorably. It should be understood that this project is not entirely about building a grill, but rather an opportunity to learn about the manufacturing process. Project G.R.I.L.L. offers students a complete insight of a manufacturing project from start to finish with a real life conclusion.

## Evaluation Point System

Each project will be evaluated upon the following criteria with the corresponding values:

1. Design Process – 100 points
2. Monthly Updates – 50 points
3. Mid-year Report – 50 points
4. Budget – 100 points
5. Unveiling Presentation – 100 points
6. Finished Grill – 100 points

Total possible points earned – 500 points

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### 1. Design Process (100 points) – Determined by Sponsor (*Points due to Secretary*)

- ❖ Concept Sketch – presented to sponsor at beginning of project (50 points)
  - A neat, accurate rendition of what the finished grill will look like (15 points)
  - Includes company branding (15 points)
  - Includes color scheme (15 points)
  - Drawn on paper (5 points)
- ❖ Drawings (50 points)
  - Accurate dimensions of grill (25 points)
  - Color included, where appropriate (15 points)
  - Printed on paper (10 points)

### 2. Monthly Updates (50 points) – Determined by Committee Secretary

- ❖ 50/50 = All 7 monthly reports completed and submitted on time, thorough and accurate
- ❖ 35/50 = 5 of 7 submitted on time, thorough and accurate
- ❖ 20 or fewer/50 = numerous late or incomplete reports

\* scores may fall between standards based on actual work submitted

## Evaluation Point System

### 3. Mid-year Report (50 points) – Determined by Sponsor (*Points due to Secretary*)

- ❖ 50/50 = Accurate, thorough, complete, and student-led (based on provided PowerPoint)
- ❖ 35/50 = Some elements missing or not fully developed, but gives a general idea of progress to date
- ❖ 20/50 = Many elements missing or incomplete/not student-led

\* scores may fall between standards based on actual work submitted

### 4. Budget (100 points) – Determined by Committee Secretary

- ❖ 50 points awarded for a completed preliminary budget
- ❖ Updated monthly, submitted to committee in spreadsheet form, including In-kind donations
- ❖ 50/50 = All 7 monthly budget reports are accurate, thorough, complete and submitted on time
- ❖ 35/50 = 4 of 7 monthly budget reports are accurate, thorough, complete and submitted on time
- ❖ 20 or fewer/50 = numerous late or incomplete budgets

\* scores may fall between standards based on actual work submitted

### 5. Unveiling Presentation (100 points) – Determined by Judges

- ❖ Introduce Team (10 points)
- ❖ Thank the Sponsor (10 points)
- ❖ Best thing about your grill (25 points)
- ❖ #1 lesson learned (25 points)
- ❖ Closing (10 points)
- ❖ Presentation stayed within 3-5 min timeframe allotted (20 points)

### 6. Finished Grill (100 points) – Determined by Judges

- ❖ Closely resembles original concept sketch. If not, changes were documented along the way. (Must bring original concept sketch and changes to unveiling) (10 points)
- ❖ Incorporation of sponsor branding (15 points)
- ❖ Grill can fit 12 Johnsonville Brats, comfortably (10 points)

## Evaluation Point System

- ❖ General Appearance (20 points)
  - Fit and finish (10 points)
  - Flow of overall design (5 points)
  - Paint job (5 points)
- ❖ Fabrication Quality (25 points)
  - Welds (10 points)
  - Machining (5 points)
  - Filling/Grinding/Sanding (10 points)
- ❖ Grill Function (20 points)
  - Air flow can be controlled (10 points)
  - Structure and finish must be able to withstand normal grill use (5 points)
  - Must use charcoal (following guidelines on pg. 4) (5 points)

- ❖ Above and Beyond (up to 20 additional points)

Some examples could be:

- Wiring/electrical – including appearance, everything functions as designed, an added wow factor that deserves points beyond the normal criteria, etc.