



# HS Reverse Engineered CAD

## Event Coordinator:

John Pankow [jpankow@pavilion.k12.ny.us](mailto:jpankow@pavilion.k12.ny.us)

## Description of the Competition: Reverse Engineered Drawings

This category allows for high school students to display their very best technical drawings. This category is for creating working drawings. This is a display of the students' ability to create technical drawings, not their design ability. Judges will base their scores on: View layout, Neatness, Difficulty, Drawing Standards and Conventions.

## Eligibility:

Each school is allowed two entries. The entrants must be registered by the deadline below. Contestants must be a current student(s) in a Glow Region

## Rules:

1. Limited to one entry per student.
2. Student must pick object and reverse engineer the drawings from it.
3. Project must be student's original work.
4. Students must utilize standard CAD equipment.
5. A complete set of working draws are required with a limit of 1 to 3 drawing sheets.
  - Working drawings consisting of more than three sheets will be accepted however only the first three sheets will be judged.
6. **The object must accompany the student's drawing(s)**
  - This is to verify if proper dimensions and lines types are shown
7. Students may need to be present to answer any questions from the judges if they arise.
8. The title block should contain the student's Full Name and School Number on it.

## Judging Criteria (Rubric):

Judges will review all projects on display. The judges will award points based on the size, completeness, difficulty, standards, and drawing skills. A perfect score will be 40 points. Judges will use scoring rubrics in the evaluation process.

Rubric On "Forms" Page