

**36th Annual Student Career Days
March 22 – 25, 2012
Kansas State University**

IRRIGATION ASSEMBLY

Description: A two-person team (maximum of one team per school) will assemble, according to a provided plan, an irrigation system consisting of pipe, heads, valves, and possibly a controller and/ or other water conservation equipment. It will be done above the ground (no trenching is necessary). When completed, it will be connected to a water outlet to demonstrate its performance. The event will take place on a paved parking lot.

Time: 1 hour and 50 minutes

Limits: The sponsor reserves the right to limit the number of teams that will compete due to space constraints and materials available. Schools will be able to compete based on the date their registrations were received and paid for. (Registrations that are received late or have not been paid will be placed on a waiting list.)

JUDGING CRITERIA

Points: 100 possible points per team member; 200 possible points towards the team score; each team member will receive half of the team points for their individual scores.

Points will be assigned based on the following criteria (approximate; depending upon design used for competition):

1. Lateral layout and assembly (14%)
2. Valve assembly and mainline installation (19%)
3. Sprinkler head assembly (47%)
4. Pipe/fitting assembly (20%)

Time will only be used as a tiebreaker.

Students are required to bring the following materials to the event: Measuring tape, engineers' scale, pipe cutters, or PVC hacksaw, marking flags, electrical tape, channel locks and wire strippers.

Sponsor is required to supply the following materials for the event:

- All components and materials required for the event
- Glue and primer
- 60 copies of the irrigation plan
- Sufficient number of judges and event monitors
- Any other items deemed necessary for this event