

This page is for us, the ATMS team members (not for FFA chapter teams)

Team Activity: Fabrication of a bracket that will attach to a bucket of a Caterpillar Skid Steer and will hold a spear to pick up round bales.

Teams will be given:

- One 6-inch piece of 2" pipe
- Two 6-inch pieces of 2" x 2" x 3/16" angle iron
- A set of directions with illustrations to complete the project.

Students will need to:

1. Read through directions.
2. Measure the angle of the side of the bucket on the skid steer.
 - a. If possible, we will have students measure these on the buckets of the skid steers.
 - b. If not, we will have a metal piece set up that simulates the angle of the bucket.
3. Also, measure the thickness of the side of the bucket.
4. Drill holes in the angle iron as illustrated in the plans.
5. Weld the angle iron pieces together as illustrated in the plans, allowing for the thickness of the side wall of the bucket.
6. Weld the pipe to the angle iron pieces to match the angle of the bucket side piece.
7. Calculate the cost of production to fabricate 100 pairs of brackets.
8. Complete a written report.

Teams will be graded on:

1. Their ability to work together as a team (100 points)
2. Their team report (50 points)
3. The finished product (250 points)
4. The total teams activity (400 points)

Somewhere in this scoring, we need to carve out points for Case activity.