Ag Welding
Cow Bell Instructions

Name: _____

Date: _____

Step I - Handle

1. Bend your 3/16 steel rod into the handle shape. Use the drawing and jig for the dimensions.

Step II - Dinger

1. Bend the 3/16 rod into the shape of the dinger. Use the drawing and jig for the dimensions.
2. Weld the Hex Nut on the end of the dinger

Step III - Top Rectangle

1. Layout and drill the holes for the chain link and the handle in the rectangle piece of metal. Use the drawing for the dimensions.
2. Slip the dinger onto the chain link and do a plug weld to attach it to the middle holes of the rectangle top piece.
3. Grind the plug welds flat.
4. Attach the handle using the same process but on the other side of the top rectangle piece

Step IV - Bell

1. Set the outside 4 pieces and tack them together, making sure that they are square. Be sure you are setting up open corner welds and not overlapping the material. Use the jig to help you set this up. Get instructor's initials here before proceeding: _____

2. The top piece (Step III) MUST BE COMPLETED first before you tack the top piece to the bell. This will make it easier to attach the dinger and handle.

Step V – Finish

1. Sandblast & paint

Check with Instructor after each completed step
Get approval before welding the project completely

Handle Bends/Length	**20**	
Dinger Bend/Length	**20**	
Hole Layout	**20**	
Plug Welds/Cleanup	**20**	
Bell Shape Layout	**25**	
Open Corner Welds	**25**	
Overall Assembly	**20**	
Finish	**25**	
	Total Score (175)	

HILMAR HIGH SCHOOL

Cow Bell Assignment

NAME:

DATE: | I.D #: