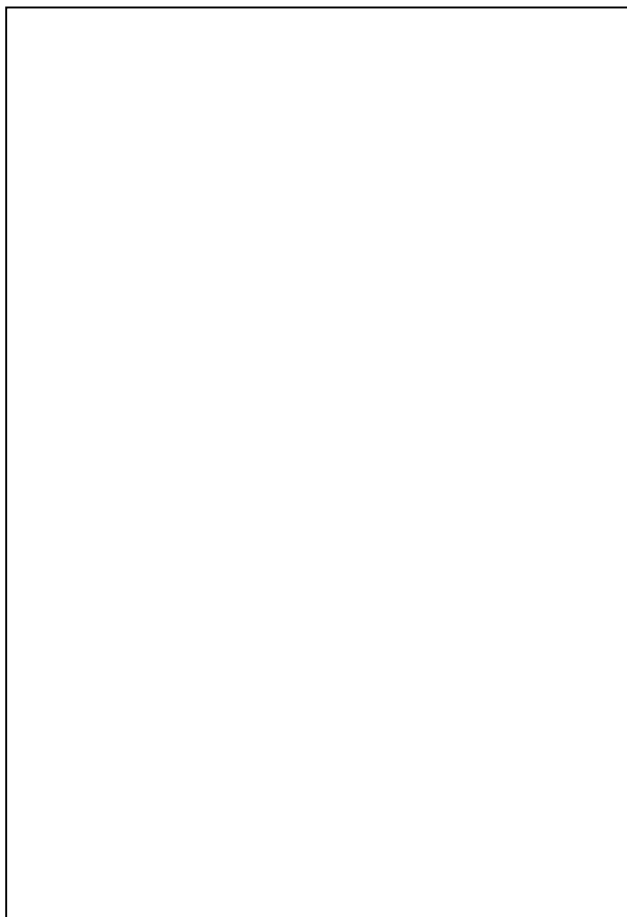


# PET PEEVE DESIGN WORKSHEET ( /20 points)

Now it's time to combine your ideas and invent your own pet peeve. Consider what qualities and characteristics you find most interesting, loveable, disgusting, or strange and create an arthropod that embodies those characteristics. An arthropod is an invertebrate animal having an exoskeleton, a segmented body (thorax and abdomen), and jointed appendages.

\*Give your creature a creative name (that expresses its qualities)

## Vocabulary and Techniques: Braizing-



- Roller Mill-
- Crimping-
- Inscribing-
- Doming or Dapping-
- Forging-
- Rivet-
- Tabs-
- Sawing-
- Complex Curves-
- Patina-
- Stamping-

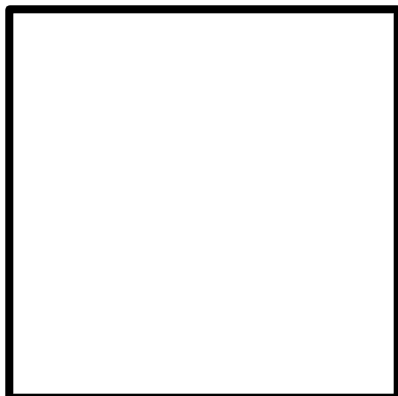
**Metal Options:** Brass (wire and sheet),  
Copper (wire and sheet), Aluminum  
(cannot be soldered), and  
Nickel Silver (wire only)

Now, based on class demonstrations, videos and techniques you have learned from previous projects, plan out the construction of your creative creature. Label your drawing with the techniques and metal you plan to use. Use the back side or another sheet if needed.

## PRACTICE BUG PARTS

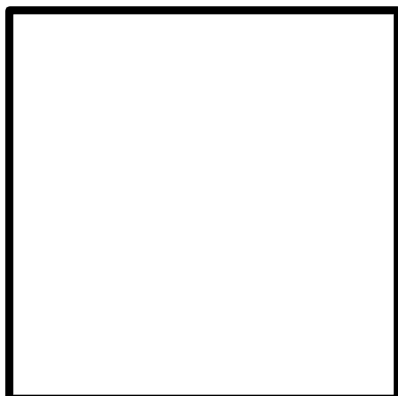
Worth 5 points each + 5 points for successful riveting ( /20 points)

### Wing: ( / 5 points)



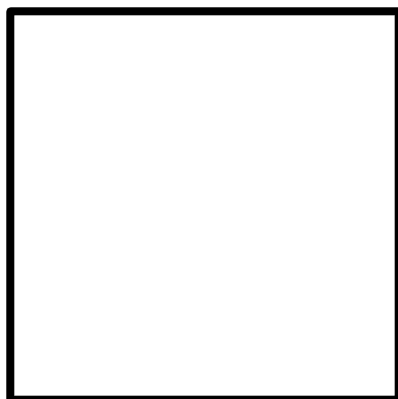
- Clean and Scour the metal, then glue on the template design
- Carefully saw the shape of the wing
- File the edges (sand if needed so they aren't sharp)
- Add a texture/pattern  
Engraver  
Stamping  
Texture hammer
- Add a subtle complex curve with the doming block and dapping punch
- Even hole drilled for rivet

### Antennae: ( / 5 points)



- Taper one end of the wire (use the belt sander to bring the wire to a point)
- Create a forged end (flatten and expand the wire end with a hammer on the anvil, in order to have a place for riveting)
- Even hole drilled for rivet
- File some texture into the antenna
- Subtle complex curve (curving in multiple directions)

### Leg: ( / 5 points)



- Forged sections (thigh and calf definition)
- Filed and articulated joints
- Filed texture
- Forged top for riveting

### Careful Riveting: ( / 5 points)

- Pieces are secure (movement is ok)
- Rivet is not bent (cut it to the right length so that it expands in the hole rather than bends over)
- Top of rivet is not distorted (round rivets are not flat, flat rivets are not bent)