**Key Chain**

One thing that most everyone has are keys. Now is the time to personalize that boring key chain with something unique of your own design.

You will be developing a personal design for a keychain. Sketch your idea and then create it on Inventor.

Criteria/Constraints

Width no greater than 1 ½”

Height no greater than 2”

Depth no greater than 1/4”

A hole for a 1” diameter key ring should be .200” in diameter and located within .375 from any edge

**Magnet Decoration**

Personalize your locker or impress your parents by putting it on the fridge.

Sketch your idea and then create it on Inventor.

Criteria/Constraints

Width no greater than 1 ½”

Height no greater than 2”

Depth no greater than 1/4”

Magnet recess area is 1.05 x .8 and .15 deep

**Christmas tree Decoration**

Make a decoration that will bring in the holiday cheer. Just remember to create a small hole to accommodate the hook or string.

Sketch your idea and then create it on Inventor.

Criteria/Constraints

Width no greater than 1 ½”

Height no greater than 2”

Depth no greater than 1/4” don’t forget the hole

Pen Design

Use the pen you printed to write wonderful things about Tech Ed.!!

Criteria/Constraints

**B**

1. Outside Diameter = .5

**D**

1. Inside Diameter = .255, Hole extends to Pen Top or 4.325 deep
2. Overall height = 4.625
3. Pen top must be square .5 x .5 and .3 in height

**A**

**C**