

DIAMOND TECH CRAFTS: *A Bevel Project*



Steampunk Necklace and Earrings

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SKILL LEVEL: 3

(1 being the easiest, 5 being most difficult)

TIME TO COMPLETE: 3 hours

MATERIALS CHECKLIST

- 1 pack 1x1 Studio Pro™ Bevels
- Studio Pro™ Soldering Iron
- Studio Pro™ Lead Free Solder
- Studio Pro™ 7/32" Black Backed Copper Foil
- Studio Pro™ Safety Flux
- Studio Pro™ Flux Brush (or a cotton swab)
- Studio Pro™ 2 Pack Fid (or craft stick or pencil)
- 1 pack Tim Holtz Sprocket Gears (or an assortment of trinkets)
- Assorted Washers, Nuts, and trinkets
- 50 - 5 mm jump rings
- 20 - 15 mm jump rings
- 30 - 4 mm or 5 mm jump rings
- Jewelry Pliers
- Long Tweezers
- Fuseworks™ Silver Earring Set
- Safety Goggles
- Heat Resistant Work Surface



PROJECT TIP

- Before you begin find a place to work that has great ventilation where you can open a window and use a fan.
- An area safe from children and pets is recommended.
- The less you move an unfinished project, the less likely you are to have damage.
- Please read and follow all directions carefully. When working with glass, protect your feet and legs by wearing pants and closed toe shoes. Eye protection is essential.
- Use a heat resistant work surface.

INSTRUCTIONS

1. Thoroughly clean the bevels and dry with a lint free cloth.
2. Foil the bevels (foil tape makes the solder stick to the glass). Peel 1" of the backing from the foil. Center the edge of your bevel on the sticky side of the foil. Wrap the entire outer edges of the bevel with foil, overlapping the end by ¼".
3. Use a fid or craft stick to burnish (rub) the surface of the foil to the edge of the glass. Press firmly, however too much pressure may cause the foil to tear.
4. Once foiled, lay all bevels on a heat resistant surface and plug in your soldering iron.
5. Apply a small amount of flux with a brush or cotton swab along the foiled edges of one of the bevels.
6. Unroll a 6" length of solder; heat the solder with the tip of the soldering iron. Apply a thin layer of solder (tinning) over all foiled edges of the bevel. Using needle-nose pliers, flip the bevel over, flux and solder the other side of the bevel.
7. Repeat steps 5 until all 8 bevels have been tinned.
8. To insure that jump rings are aligned, measure and mark the exact position on two sides of each bevel with a Sharpie® marker (a small dot will do). Align 2 – 5 mm jump rings to both sides of the bevel. Solder a jump ring to the sides of the bevel by holding the jump ring with needle nose pliers; flux the ring and the area on the bevel edge where you want to place the jump ring. Place

a small amount of solder on the tip of the iron and touch the iron to the connecting joint. Allow to cool. For added strength to this joint, flux and add more solder.

9. Repeat steps 7 - 8 for all 6 bevels used for the necklace.
10. For the earrings, turn the bevels at an angle to resemble diamonds and attach a jump ring to the top corner following steps 7 - 8.
11. Once bevels are cool, clean each with soap and water. Arrange bevels into a necklace on your work surface.
12. Use your jewelry pliers to add additional jump rings to the bevels. Fasten embellishments such as trinkets, washers and nuts to the jump rings, see color image for placement. Once satisfied with the look, add length to the chain by joining large jump rings together. We added a keyhole charm to the last ring and a safety pin shaped trinket to the opposite end to be used as a catch for the necklace. Simply insert safety pin into the keyhole to secure necklace.
13. To create the earrings, attach bevels to earring wires using jump rings. Embellish with additional trinkets and close jump rings to secure. The more mismatched the earrings are, the more steampunk the look!

SOLDERING TIPS: (Here are some hints)

- If solder doesn't flow smoothly—apply more flux.
- If seams bulge over the glass— there's too much solder; you may need to melt and pull off the excess.
- If solder spits or bubbles there's too much flux; wipe some off.
- Flat seams need more solder.
- Don't stay in the same spot too long or the solder will bleed through or the glass will crack.
- Wipe your iron tip frequently on a wet sponge while you are soldering.
- Re-tin your tips as needed using a sal-ammoniac block.