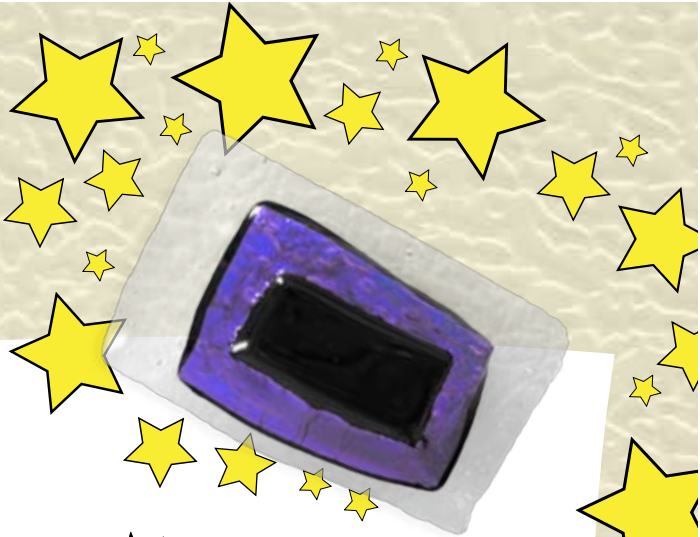


**Free  
Project  
Idea!**



Mom,  
Can you pick up some materials  
for my science project?  
Thank you!



## Merlin's Magic Magnet

Make magic with glass and  
your messages noticed!

 **Diamond Tech**

# Merlin's Magic Magnet

*Designed by Jeanne Baruth for Diamond Tech*

## **MATERIALS NEEDED**

1 pc Fuseworks™ Clear Sheet Glass  
1 pc Fuseworks™ Black Sheet Glass  
Fuseworks™ Dichroic small scraps  
Fuseworks™ Kiln Paper  
Fuseworks™ Microwave Kiln  
Fuseworks™ Glass Cutter  
Magnet  
E6000® or other glass glue  
Microwave - 1200 watt

## **DIRECTIONS**

### **Step 1**

Measure and mark the following glass sheets:

Clear – 1" X 1 1/2"

Blue Dichroic – 1" X 1 1/4"

Black – 1/2" X 3/4"

### **Step 2**

Using a glass cutter, cut glass to designated sizes as indicated above. Clean glass using paper towel moistened with water. Completely dry the surface of the glass with a lint free cloth.

### **Step 3**

Next, cut a 2" X 2" piece of kiln paper. Remove the lid from the Fuseworks™ Kiln. Place the kiln paper on the kiln base. Kiln paper should only be used for one firing.

### **Step 4**

Layer the glass on the kiln paper. Start with the Clear base, 1" X 1 1/2". Center the Dichroic Blue on top of the Clear. Next, center the Black glass on the Dichroic Blue.


### **Step 5**

Carefully set the base with glass inside the microwave. Cover base and glass with kiln lid.

### **Step 6**

Fuse\* at 70% power for 2 minutes, then 100% at 1 minute 15 seconds. \*Every microwave oven and kiln will vary. You will need to test and log what time will be suited for your combination. After time is up, open microwave and, using Hot Mitts, carefully lift the lid enough to inspect the fusing process. Add additional time in 30 second increments until desired results are achieved. Remove kiln from microwave using the Hot Mitts and place on a heat resistant surface. Cool the kiln on a heat resistant surface for at least 40 minutes with the lid on. Removing the lid or peeking under the lid during the cooling will result in your piece cracking. Glass remains hot

for a long time and should be handled with great caution.

 **HOT TIP:** If you are experiencing your dichroic glass turning dark, decrease your fusing time. If your piece shatters reduce your power to fuse your piece more slowly. You may need to increase the length of time when you reduce the power.

### **Step 7**

Cool your kiln and glass completely, approximately 30-45 minutes.

### **Step 8**

After the glass is completely cooled, adhere a magnet to the back of the fused piece using a glass adhesive such as E6000®. Allow the adhesive to dry according to glue manufacturer direction.

### **HOT TIPS:**

- Never throw away your small scraps of fusing glass, they can be used to embellish other fused glass projects.
- For better visibility, store scraps in a clear container.
- Use tweezers to pick up scraps and pieces.