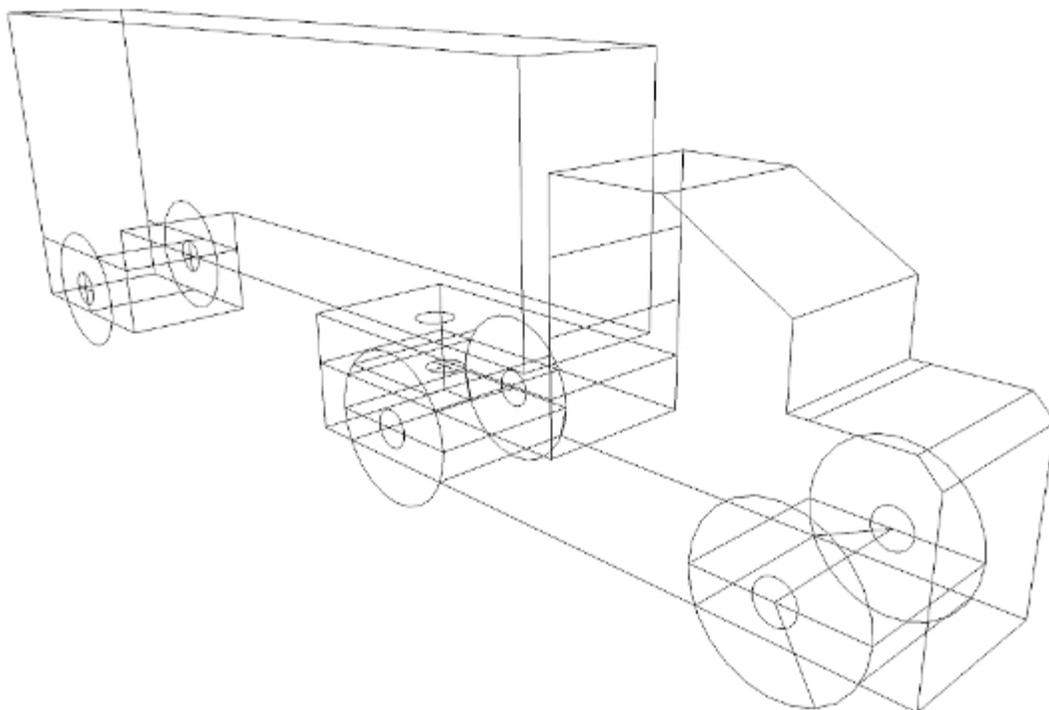


# WWCH January 2020 Toy of the Month



Semi Truck with Trailer



## *Instructions*

Please remember to work safely.

This is one way to make the Semi Truck with Trailer. You may have to adapt to the tooling you have available to you. Always use the tools and procedures that make the most sense to you.

### **Semi**

1. Make a template from the attached full size Profile View pattern. 1/8" scrap or old file folders are a couple of materials you could use.
2. You'll need a stock of 7" long by 3" high by 1 1/2" width. It's designed to be made from a 2X6, but any sizable piece of stock will do.
3. Use the template to outline the truck on the material and drill holes for the axle locations. You'll probably need a 7/32" bit for the axles.
4. I'm using a scroll saw. Use this or a band saw to cut just outside the template pattern lines for the Basic Truck.
5. Drill the 7/32" holes for the axles through the template as a guide.
6. Drill the 1/4" hole for the axle hitch point in the bed portion of the Semi. See the Semi Truck Top View Plan for where exactly this is at. It's approximately 1 1/8" from the end of the Truck Bed and 3/4" from the central axle location.
7. Sand to the lines.
8. Round the edges with a sander or round over bit. Up to a 1/4 radius round over bit can be used for this step.
9. Sand to 220 grit. The objective here is to provide a smooth, comfortable, splinter-free toy for small hands.
10. Wipe all surfaces and see if any areas need more sanding. Repeat as needed.
11. Leave with no finish to allow for customization of a paint job by child. Otherwise, use beeswax or other approved finish.
12. Attach the wheels and axles. Remember to leave the wheels far enough away from the body that they will roll easily.

## *Instructions (continued)*

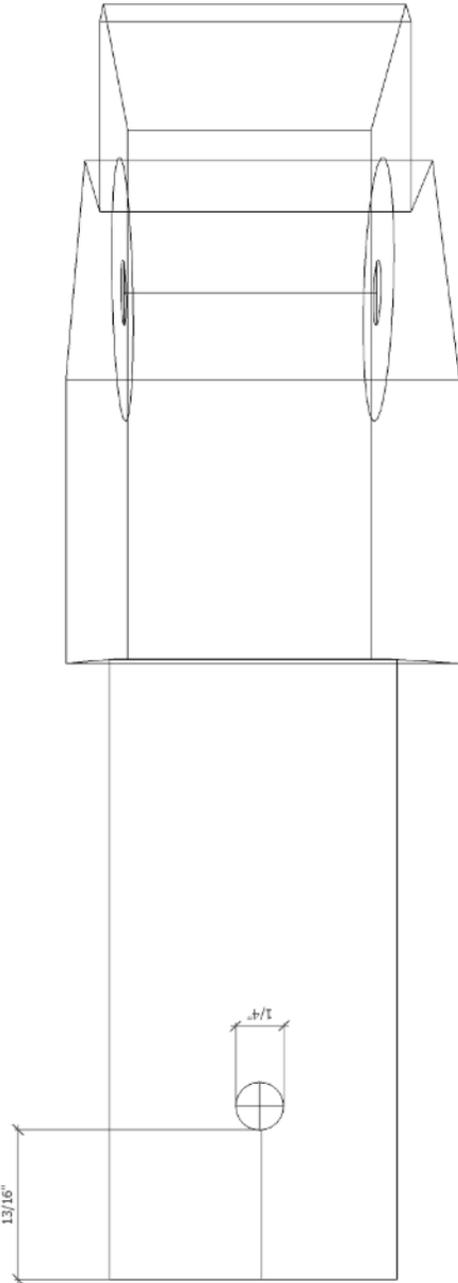
### **Trailer**

1. Make a template from the attached full size pattern. 1/8" scrap or old file folders are a couple of materials you could use.
2. You'll need a stock of 10" long by 3.75" high by 1 1/2" width. It's designed to be made from a 2X6, but any sizable piece of stock will do.
3. Use the template to outline the truck on the material and drill holes for the axle locations. You'll probably need a 7/32" bit for the axles.
4. I'm using a scroll saw. Use this or a band saw to cut just outside the template pattern lines for the Basic Truck.
5. Drill the 7/32" holes for the axles through the template as a guide.
6. Drill the 7/32" hole for the axle hitch point near the front of the Trailer.
7. Sand to the lines.
8. Round the edges with a sander or round over bit. Up to a 1/4 radius round over bit can be used for this step.
9. Sand to 220 grit. The objective here is to provide a smooth, comfortable, splinter-free toy for small hands.
10. Wipe all surfaces and see if any areas need more sanding. Repeat as needed.
11. Leave with no finish to allow for customization of a paint job by child. Otherwise, use beeswax or other approved finish.
12. Attach the wheels and axles. Remember to leave the wheels far enough away from the body that they will roll easily.
13. Keep the best Semi Truck with Trailer for yourself or your favorite child and turn the rest in at a future meeting.

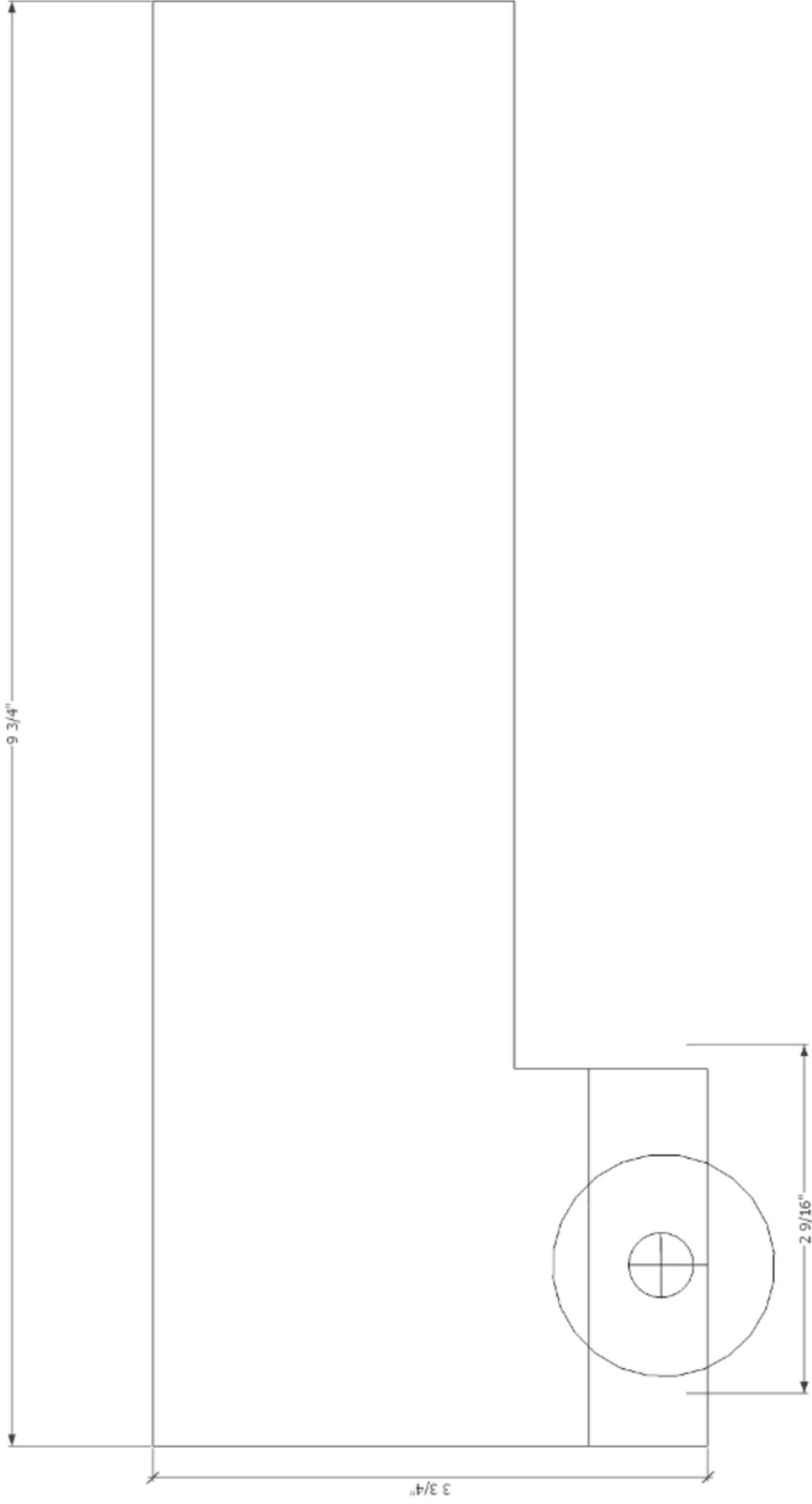
We at the Toy Group of the WWCH would like to thank you for participating in our toy making charitable activity. These toys will bring smiles to the less privileged children of our area.



# Semi Truck – Top Plan – To Scale



# Semi Trailer – Profile Plan – To Scale



# Semi Trailer – Top Plan – To Scale

