

# Tool List for Modeling with the Masters Extra 2011 West NMRA Convention Sacramento

## Scratchbuilding Car Loads for Your Freight Cars

This is a suggested list of tools that may be required to participate fully in the hands-on portion of our program. In order to allow you to fully take part in the building of models, you are strongly suggested to have all tools listed. *You however, may not use them in the program, but will have them for future building.* Most of the tools listed can be found at your local hobby shop, hardware store or craft store. Bring any tools you usually like to use, but you may not use all tools listed. If you have any problems with the description of items listed, please contact Clark Kooning, MMR, via e-mail at [ckooning@msn.com](mailto:ckooning@msn.com), call at (416) 899-9041 or see address in *NMRA Magazine* masthead.

### Required Tools Participants Must Provide:

Cutting mat (should be of reasonable size, about 12"x18") **This is a must item!**

X-acto knife with #11 blades or scalpel

Tweezers

Scissors (2 pr -1 each small and medium size. Make sure they are SHARP, please.)

Small modelers square (optional) or a cheap math set with 30/60 degree & 45 degree triangle

(buy at dollar store or drug store)

Scale ruler in your scale (multi-scale ruler is best)

Metal straight edge, such as your scale ruler (or similar product)

Dental pick or similar type of tool (optional)

### Optional Tools:

**Any other tools you usually use...**

Optivisor

Extra work light (can be a big advantage depending on room lighting)

Extension cord and plug strip to plug everything in!

These are handy tools which you could use in our clinics, but it is not essential you buy them just for this week. Your option!

A good way to carry all of these tools is to buy a small, inexpensive plastic tackle box. These are usually available at department stores and home improvement centers year round.

Please note an updated tool list may be sent to you prior to the program date.

Clark Kooning

[ckooning@msn.com](mailto:ckooning@msn.com)