Pack 1776
Pinewood Derby
49' BestTrack ™
Track Set-Up

1) Start with assembling the starting gate and attaching the curved piece.
2) Assemble and align track with tiles in MPR to make it straight.
3) Use binder clips to secure track pieces to each other.
4) Level track (bring a level).
5) Attach timer to track, with the LCD facing the starting gate. Note: It may take several attempts to align properly.
6) Align the "Stop System" at the end of the track. The Stop System simply rests on the end of the track. Test that it is centered properly (run a couple of cars down the track) and tape in place.
7) Clean track of debris with a paper towel.
8) Track should be cleaned (if necessary) only with Simple Green or a similar cleaner.

ESS Starting Celluloid

1) Attach starting switch with two screws (in blue tape).
2) Attach power cord and remote starter.
3) If switch breaks, buy another at Radio Shack.

Timer

1) Attach separate cord (speaker wire) from starting switch to timer.
2) Attach serial to USB cable to laptop (will not work unless the cable driver is first installed).
3) Attach power cord.
4) Test with software for compatibility.

Race Day
Materials Needed

1) Small Phillips screwdriver (to secure the starting switch).
2) Blue tape.
3) Tape to cover cable and wires on the ground.
4) Crazy Glue for emergency car repairs.
5) Level.
6) A socket wrench is helpful but not necessary for some bolts on the track.
7) Printer and paper.

Weigh-In/Impounding Day
Materials Needed

1) Scale and measuring device (length, width, wheel spacing, bottom spacing, etc.).
2) Weights for those who have light cars.
3) Glue.
4) Graphite.
5) Drill.
6) Stickers for car numbers 1-100. The alternative is to have everyone bring number stickers from their kits.
7) Printed list of all possible scout racers (pre-assigned by the software) with room for siblings/family. It is preferable to pre-assign numbers to each scout by rank whether they race or not, making it easier for the starters to organize and locate the cars for each race.
8) Wooden boxes to hold the cars (stored by the pack).
9) Tables for registration and for working on cars.

Lisano GrandPrix Race Manager Software

1) Install ahead of the race day.
2) Import scout roster and pre-assign a car number for each scout.
3) Test the starting switch and timer to see if both are compatible with the laptop. The starting switch is not attached to the track when in storage. Remember to download the driver for the serial to USB cable used to connect the timer to the laptop. The USB might connect to a COM5 port.
4) Do not check "Master Schedule" if you want to race each rank separately.