

# Criteria for making a trolley

By the end of your sessions at Henley Mens Shed your team of four will have designed, modified, constructed, painted and raced your trolley cart. Follow the process below. Tick when you have completed each step.

**1:** Look carefully at the displayed photos of previously made trolley's.

**2:** Collect pencils and paper. Begin to design your trolley.

Think carefully about the shape, style, size, colour, graphics, materials available and degree of difficulty.

How large is the sheet of ply wood? Check your measurements using a ruler/ tape measure.

When you are satisfied your design will fit within the perimeters of the ply wood, move on.

Doesn't fit? Re-design your trolley.

**3:** Chassis. Write a list of the parts you will need to assemble the chassis.

How many of each part will you need?

**4:** Find an adult. Discuss your design and list.

Take notes if modifications are needed. Re-design if necessary.

**5:** Collect all the pieces you will need to assemble the chassis.

**6:** Assemble the chassis for your trolley.

**7:** Check with an adult before you begin #8.

**8:** Mark out your design on the ply wood sheet.

**9:** Write a list of all the things you will need to assemble your trolley.

**10:** Check with an adult.

**11:** Cut out the shapes on your sheet of ply wood {adult supervision}.

**12:** Assemble your trolley. Check your design plan frequently.

**13:** Paint your trolley according to the graphics you designed in Step 2

**14:** Compete in a trolley race.

Tools required: Pencil, tape measure, pliers, spanners, battery drill/driver & bits, electric jigsaw, poster paint, brush, rope, tek screws, wood screws.







Prior to the activity weld on the mounting plate for the castor to the hand cart handle, and have plenty of odds n ends of timber to be used to join the plywood pieces