

Exploring the Engineering Design Process



To build a boat, your team needs to start with a design before moving to the construction phase.

The Engineering Design Process

Ask – what is the problem we’re trying to solve?

Gather Ideas – research, compare and contrast boat designs that have already been built

Be Creative – brainstorm ways to improve boat design • dream up new ideas • be innovative!

Make a Plan – look at all the ideas and decide which one you want to build • Decide on the building process (who is going to do what)

Build It – put your ideas into action as you build your Cardboard Canoe!

Did it Work? – after you build and race your boat, see how it worked • where can you make improvements

Share! – share what you’ve learned with the rest of the world