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