

Engineering Design Cycle

Ask

- Find out more.
- Ask lots of questions.
- What is the problem?
- Who needs help and why?



Explore

- What ideas do you have to solve the problem?
- Try to dream up lots of possibilities.
- If you are building/creating something as the solution what materials can you use and what are they like?



Improve

- How can you make it better?
- Why are some things working well?
- Learn from your successes.
- Why are some bits not working so well?
- Learn from your failures.
- Remember to keep trying - it often takes engineers many tries to get something right.
- Go back to the Ask and Explore steps - find out more to help you.



Create

- Try your ideas.
- Work with others if you need help
- How can you test your solution?
- Think about what is working well and what is not.



Plan

- Select an idea to create.
- Add details of what the idea includes.
- Can you do a drawing to explain the plan?

