

Research is a *messy* process!

Often research is done to help you formulate the right question for your own independent learning or to gather information to help you understand the factors involved in answering a specific question that you have been set.

Researching a new topic or idea can be tricky. It requires patience and resilience!

This means deciding what questions you need to have answers for and when and how you will do your research. Reading reports, articles and opinions often provides answers – but often as you learn more about your topic, it leads you to more questions that need to be answered. For example:

- You may want to know how a product is constructed. You then need to do research into the properties of the materials used and find out about alternatives.
- You may need to find several opinions about your topic that explain different view points or perspectives.
- You might make a prototype but then find it doesn't work as expected – more research may be needed.
- You may contact a business that wants to know costings for your innovation.
- You might find that your innovation needs greater data capacity – more research into component parts and how they are used may be needed.
- You may need to test the effectiveness of your innovation by researching the need within the market



So, to be successful you need to realise that **MORE** research, information and data may be needed in order for **YOU** to fully realise your project.

The more research you do – the more questions you will have.



Around 40% of your project time will probably be spent on doing research.

Research is a *dynamic* process!



Research is a *surprising* process!



Effective research takes time and the answers require you to stop and think Your brain needs time to reflect on what you have found.

REMEMBER

- Manage your time
- Keep Active
- Stay Focussed
- Be Curious