# Capability 3: Information Communication Technology

### The ICT capability involves using ICT to:

* **access information and ideas**
* **communicate information and ideas**
* **solve problems**
* **work collaboratively**
* **make the most of digital technologies available**
* **adapt to new ways of doing things as new technologies emerge**
* **operating ICT safely and limiting the risks to yourself and others in a digital environment**

**Investigating with ICT**

**ICT is used to:**

* **define and plan information searches**
* **search for a range of primary and secondary sources**
* **using these sources when investigating questions, topics and problems**
* **locate data and information**
* **access data and information**
* **generate data and information**
* **organise and/or analyse data and information**
* **apply criteria to ensure that digital data is accurate and reliable**

**Creating with ICT**

**ICT is used to generate ideas, plans and processes to:**

* **respond to questions**
* **realise creative ideas and intentions**
* **create solutions to challenges and tasks**

**A question to consider...**

When you are doing a learning activity and you identify a challenge, a need or a creative intention, can you use ICT to generate and manage solutions in these situations?

**Communicating with ICT**

### ICT is used to:

* **share ideas and information**
* **work with others to gather, share and use ideas and information**
* **work with others to find digital solutions to problems**

**Do you understand and consider elements like:**

* **who your audience is?**
* **what are the characteristics of the users?**
* **what form of communication is appropriate?**
* **what technologies you will use to communicate through?**

**Managing and operating ICT**

Use technology, knowledge and skills to select, use and trouble-shoot appropriate digital technologies.

Use the knowledge and skills when investigating, creating and communicating.

### Can you demonstrate understanding and development of:

* **hardware components, functions and processes, procedures and devices**
* **software components, functions and processes, procedures and devices**
* **operations of appropriate ICT system components, functions and processes, procedures and devices**

**A question to consider...**

Can you securely manage and maintain digital data by using your technology knowledge and skills?

## Capability 3:

**Information Communication Technology**

**Applying social and ethical protocols and practices when using ICT**

### Develop understanding and appropriate practices for intellectual property for digital information by:

* Create

### recognising the intellectual property of yourself and others

* **physical and logical storage and security of digital information**
* **use appropriate protocols to create, communicate or share information**
* Communicate

### identifying and understanding the benefits and consequences of ICT use and how ICT

**impacts society and the way we live**

**Activity**

Give an example of a time when you used ICT for a project or presentation, to organise an event, get-together, or to send information to a large group of people.

1. Briefly describe the situation:

1. How did you manage and operate the ICT?
2. What social and ethical issues did you identify or consider?

2. Explain how you used ICT to:

* Investigate

 5. How did you deal with or manage these?