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**ICT Capabilities**
**SCIENCE**

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| NSW Syllabus for the Australian Curriculum**Stage 2**  | **Content Strand** | **ICT Strand** | **ICT Activities** |
| Suggesting appropriate materials, tools and equipment they could use in conducting their investigations and recording their findings, identifying appropriate safety rules | *Skills*[***Working Scientifically***](http://syllabus.bos.nsw.edu.au/science/science-k10/content/963)  | **Investigating****Communicating** |  |
| Safely using appropriate materials, tools or equipment to make and record [observations](http://syllabus.bos.nsw.edu.au/glossary/sci/observation/?ajax), using [formal measurements](http://syllabus.bos.nsw.edu.au/glossary/sci/formal-measurement/?ajax) and digital technologies as appropriate | *Skills*[***Working Scientifically***](http://syllabus.bos.nsw.edu.au/science/science-k10/content/963)  | **Managing/Operating****Communicating** |  |
| Using a range of methods including tables and simple column graphs to represent [data](http://syllabus.bos.nsw.edu.au/glossary/sci/data/?ajax) and to identify patterns and trends, using digital technologies as appropriate | *Skills*[***Working Scientifically***](http://syllabus.bos.nsw.edu.au/science/science-k10/content/963)  | **Communicating****Creating** |  |
| Using a range of [research](http://syllabus.bos.nsw.edu.au/glossary/sci/research/?ajax) techniques to access information relevant to the task | *Skills*[***Working Technologically***](http://syllabus.bos.nsw.edu.au/science/science-k10/content/964) | **Investigating** |  |
| Using digital technologies and multimedia for communicating design ideas | *Skills*[***Working Technologically***](http://syllabus.bos.nsw.edu.au/science/science-k10/content/964) | **Communicating****Creating** |  |
| Use appropriate tools and equipment to collect and record [data](http://syllabus.bos.nsw.edu.au/glossary/sci/data/?ajax) about some changes in natural conditions - tides, daily temperature, rainfall & wind | *Knowledge/Understanding – Natural Environment* [***Earth and Space***](http://syllabus.bos.nsw.edu.au/science/science-k10/content/966) | **Communicating****Creating** |  |
| Use common digital technologies and applications to organise and communicate information for a specific task, eg word processing and digital presentation software | *Knowledge/Understanding – Made Environment* [***Information***](http://syllabus.bos.nsw.edu.au/science/science-k10/content/970)  | **Communicating****Creating** |  |
| Demonstrate how a variety of media can be combined to address the needs of a specific audience, eg combining visual images, sound and text in a digital presentation | *Knowledge/Understanding – Made Environment* [***Information***](http://syllabus.bos.nsw.edu.au/science/science-k10/content/970)  | **Communicating****Creating** |  |
| Explore how people use current and emerging technologies to communicate, access and record information, eg email, mobile phones, blogs and wikis | *Knowledge/Understanding – Made Environment* [***Information***](http://syllabus.bos.nsw.edu.au/science/science-k10/content/970) | **Investigating****Communicating****Creating** |  |
| Demonstrate appropriate safety and etiquette in relation to computer usage, eg general computer care, file security, maintaining confidentiality of passwords, printing and sharing resources | *Knowledge/Understanding – Made Environment* [***Information***](http://syllabus.bos.nsw.edu.au/science/science-k10/content/970)  | **Ethics/Cybersafety** |  |
| Acknowledge ownership of information when selecting and using information, eg citing sources | *Knowledge/Understanding – Made Environment* [***Information***](http://syllabus.bos.nsw.edu.au/science/science-k10/content/970)  | **Ethics/Cybersafety** |  |