 Digital Technologies

2017 Science and Technology K-6 Syllabus:

The Digital Technologies strand provides students with opportunities to investigate existing technologies and create digital solutions. They explore the automation of repetitive tasks through developing their own software and by using existing software packages. Through knowledge and understanding of digital technologies, students are encouraged to become critical consumers of information and creative producers of digital solutions.

Digital Technologies explores key concepts from computer science, information systems, software engineering and project management. These key concepts form the intellectual underpinning of Digital Technologies that take it beyond the current technologies and skills students learn in the ICT capability.

[Science and Technology Syllabus K–6 Syllabus 2017](http://educationstandards.nsw.edu.au/wps/portal/nesa/k-10/learning-areas/science/science-and-technology-k-6-new-syllabus)  
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| Stage | Outcome 2017 | 2017 Science and Technology K-6 Syllabus |
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| Early stage 1 | STe-7DI-T | identifies digital systems and explores how instructions are used to control digital devices |
| Stage 1 | ST1-11DI-T | identifies the components of digital systems and explores how data is represented |
| Stage 2 | ST2-11DI-T | describes how digital systems represent and transmit data |
| Stage 3 | ST3-11DI-T | explains how digital systems represent data, connect together to form networks and transmit data |