# Curriculum Area Plan: Digital Technologies - Years 7 and 8 (Sample Program 1)

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|  | **Week** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** | **16** | **17** | **18** |
| **Year 7** | **Semester 1** | **Data transmission – 7.1.1** | **Digital systems investigation – 7.1.2** | **Acquiring data – 7.1.3** | **Analyse and visualise data – 7.1.4** | **Manage, create and communicate ideas – 7.1.5** |
| Computer networks | Data storage | Data visualisations |
| **Semester 2** | **Decompose problems** **– 7.2.1** | **Design user experience** **– 7.2.2** | **Design algorithms – 7.2.3** | **Develop and modify programs – 7.2.4** | **Evaluate solutions** **– 7.2.5** |
| Requirements and user experience | Algorithms | Programming | Product evaluation |
| **Year 8** | **Semester 1** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| **Semester 2** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  | **Week** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** | **16** | **17** | **18** |

\* Based on 2 x 45 minutes teaching time per week

**Topic, level, semester, sequence**

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| **Key** | **Digital Systems** |  | **Data and Information** |  | **Creating Digital Solutions** |  |

# Curriculum Area Plan: Digital Technologies - Years 7 and 8 (Sample Program 2)

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|  | **Week** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** | **16** | **17** | **18** |
| **Year 7** | **Semester 1** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| **Semester 2** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| **Year 8** | **Semester 1** | **Data transmission – 8.1.1** | **Digital systems investigation – 8.1.2** | **Acquiring data – 8.1.3** | **Analyse and visualise data – 8.1.4** | **Manage, create and communicate ideas – 8.1.5** |
| Networking | Binary and computers | Research - Sourcing | Research - Infographic | Research - website |
| **Semester 2** | **Decompose problems** **– 8.2.1** | **Design user experience** **– 8.2.2** | **Design algorithms – 8.2.3** | **Develop and modify programs – 8.2.4** | **Evaluate solutions** **– 8.2.5** |
| Project - Decompose | Project – Creating designs | Project - Algorithms | Project - Solutions | Project - Evaluation |
|  | **Week** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** | **16** | **17** | **18** |

\* Based on 3 hours teaching time per week

**Topic, level, semester, sequence**

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| **Key** | **Digital Systems** |  | **Data and Information** |  | **Creating Digital Solutions** |  |

# Curriculum Area Plan: Digital Technologies - Years 7 and 8 (Sample Program 3)

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|  | **Week** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** | **16** | **17** | **18** |
| **Year 7** | **Semester 1** | **Data transmission – 7.1.1** | **Digital systems investigation – 7.1.2** | **Acquiring data – 7.1.3** | **Analyse and visualise data – 7.1.4** | **Manage, create and communicate ideas – 7.1.5** |
| Network project | Imaging | Issues Project1. Research and data collection
 | Issues Project1. Developing charts with spreadsheets
 | Web authoring |
| **Semester 2** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| **Year 8** | **Semester 1** | **Decompose problems** **– 8.1.1** | **Design user experience** **– 8.1.2** | **Design algorithms – 8.1.3** | **Develop and modify programs – 8.1.4** | **Evaluate solutions – 8.1.5** |
| Programming Project1. Analysis
 | Programming Project1. Design
 | Programming Project1. Development
 | Programming Project1. Evaluation
 |
| **Semester 2** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  | **Week** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** | **16** | **17** | **18** |

\* Based on 2 x 45 minutes teaching time per week

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| **Key** | **Digital Systems** |  | **Data and Information** |  | **Creating Digital Solutions** | **Topic, level, semester, sequence** |