# 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 Project   1. Research and data collection | | Issues Project   1. 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 Project   1. Analysis | | Programming Project   1. Design | | | | | Programming Project   1. Development | | | | | | | | | Programming Project   1. 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** |