# Curriculum Area Plan: Digital Technologies - Years 9 and 10 (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 9** | **Semester 1** | **Role of hardware, software, data and networks – 9.1.1** | | | **Data compression – 9.1.2** | **Techniques for acquiring data – 9.1.3** | **Analyse and visualise data – 9.1.4** | **Manage and collaborate – 9.1.5** |  | | **Decompose problems**  **– 9.1.6** | **Design user experience**  **– 9.1.7** | **Design algorithms**  **– 9.1.8** | **Develop modular programs – 9.1.9** | | | | | **Evaluate solutions**  **– 9.1.10** |
| Internet of Things | | | Creating web sites | | | | Spreadsheets | | Python programming | | | | | | | | Programming evaluation |
| **Semester 2** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| **Year 10** | **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 3 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 9 and 10 (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 9** | **Semester 1** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| **Semester 2** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| **Year 10** | **Semester 1** | **Role of hardware, software, data and networks – 10.1.1** | | | **Data compression – 10.1.2** | | **Techniques for acquiring data – 10.1.3** | | **Analyse and visualise data**  **– 10.1.4** | | **Manage and collaborate**  **– 10.1.5** | **Decompose problems**  **– 10.1.6** | **Design user experience**  **– 10.1.7** | **Design algorithms**  **– 10.1.8** | **Develop modular programs – 10.1.9** | | | | **Evaluate solutions**  **– 10.1.10** |
| Networks Task | | | Image Optimisation | | Data and Collaboration Task | | | | | Design Task | | | Programming Task | | | | |
| **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 3 x 45 minutes teaching time per week

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

# Curriculum Area Plan: Digital Technologies - Years 9 and 10 (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 9** | **Semester 1** | **Role of hardware, software, data and networks - 9.1.1** | | | | | **Data compression - 9.1.2** | | | | | **Techniques for acquiring data - 9.1.3** | | | | **Analyse and visualise data - 9.1.4** | | | |
| Network Theory | | | | | Image Editing | | | | | Community Project   1. Research and data collection | | | | Community Project   1. Creating posters | | | |
| **Semester 2** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| **Year 10** | **Semester 1** | **Manage and collaborate**  **- 10.1.1** | | **Decompose problems**  **- 10.1.2** | | **Design user experience**  **- 10.1.3** | | **Design algorithms - 10.1.4** | | **Develop modular programs - 10.1.5** | | | | | | | | **Evaluate solutions - 10.1.6** | |
| Programming Project   1. Project management | | Programming Project   1. Analysis - Requirements | | Programming Project   1. Design and 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 3 x 45 minutes teaching time per week

**Topic, level, semester, sequence**

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