# Curriculum Area Plan: Digital Technologies - Years 5 and 6 (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 5** | **Semester 1** |  |  |  |  |  | **Components of digital systems – 5.1.1** |  |  |  | **Examination of whole numbers – 5.1.2** |  |  |  |
|  |  |  |  |  | Digital Systems Communicate1. Data: Here to there
 |  |  |  | Digital Systems Communicate1. Data representation
 |  |  |  |
| **Semester 2** |  |  |  |  |  | **Interpret and visualise data – 5.2.1** | **Online collaborative projects – 5.2.2** |  |  |  |  |  |  |  |  |
|  |  |  |  |  | Our WorldHabitat analysis |  |  |  |  |  |  |  |  |
| **Year 6** | **Semester 1** |  |  |  | **Define problems – 6.1.1** | **Design user interface – 6.1.2** | **Design algorithms – 6.1.3** | **Develop simple visual programs – 6.1.4** | **How solutions meet needs** **– 6.1.5** |
|  |  |  | Draw-a-Shape1. Define a problem
 | Draw-a-Shape1. Create interface and algorithms
 | Draw-a-Shape1. Create code based on algorithms
 | Draw-a-Shape1. Reflection
 |
| **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 1 hour of 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 5 and 6 (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 5** | **Semester 1** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| **Semester 2** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| **Year 6** | **Semester 1** |  |  | **Components of digital systems – 6.1.1** |  |  | **Examination of whole numbers – 6.1.2** |  |  | **Interpret and visualise data** **– 6.1.3** | **Online collaborative projects – 6.1.4** |  |
|  |  | Computers and networks |  |  | Binary numbers |  |  | All about us |  |
| **Semester 2** | **Define problems – 6.2.1** | **Design user interface – 6.2.2** | **Design algorithms – 6.2.3** | **Develop simple visual programs – 6.2.4** | **How solutions meet needs** **– 6.2.5** |  |  |  |  |  |
| Programming project* Analysis and design
 | Programming project* Development
 | Programming project* Evaluation
 |  |  |  |  |  |
|  | **Week** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** | **16** | **17** | **18** |

\* Based on 1 hour of 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 5 and 6 (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 5** | **Semester 1** |  |  |  |  |  |  |  |  |  |  |  | **Components of digital systems – 5.1.1** | **Examination of whole numbers – 5.1.2** |
|  |  |  |  |  |  |  |  |  |  |  | Digital Systems Investigation | Numbers Activity |
| **Semester 2** | **Interpret and visualise data – 5.2.1** | **Online collaborative projects – 5.2.2** |  |  |  |  |  |  |  |  |  |  |
| Student Survey Project1. Collect and interpret data
 | Student Survey Project1. Communication of findings
 |  |  |  |  |  |  |  |  |  |  |
| **Year 6** | **Semester 1** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| **Semester 2** |  | **Define problems – 6.2.1** | **Design user interface – 6.2.2** | **Design algorithms – 6.2.3** | **Develop simple visual programs – 6.2.4** | **How solution meets needs** **– 6.2.5** |  |
|  | Programming Project1. Analysis - Requirements
 | Programming Project1. Design
 | Programming Project1. Development
 | Programming Project1. Evaluation
 |  |
|  | **Week** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** | **16** | **17** | **18** |

\* Based on 1 hour of teaching time per week

**Topic, level, semester, sequence**

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