

**BUDGET OF WORK IN COMPUTER 6**

**A.Y. 2017 – 2018**

**UNIT TOPIC:** Programming in Principle **QUARTER:** 3rd Quarter

**No. of days:** 16 days **Reference:** RCBN-ES Syllabus

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| **TIME FRAME** | **LEARNING TARGETS** | **PAGES** |
| Day 1-2 | * Define Computer programs * Illustrate the practical uses of computer programs * Enumerate the various programming paradigms | digiTiTans 6  pages 94-100 |
| Day 3 | * Explain the problem definition step * Define algorithm, source code, and machine code | digiTiTans 6  pages 101-106 |
| Day 4 | * Explain the program development cycle * Enumerate the steps of the program development cycle | digiTiTans 6  pages 107-112 |
| Day 5 | Summative Test |  |
| Day 6-7 | * Create a short video of organizing a birthday party |  |
| Day 8 | * Define algorithm * Relate algorithms to everyday situations * Describe the properties of a good algorithm | digiTiTans 6  pages 113-120 |
| Day 9 | * Identify the basic flowchart symbols * Express algorithms using flowcharts | digiTiTans 6  pages 121-126 |
| Day 10 – Day 11 | * Express algorithms using pseudo code * Appreciate the importance of control and program structures | digiTiTans 6  pages 127-133 |
| Day 10 | * Explain the different ways of extracting data from the database * Explain why databases should have efficient design | digiTiTans 6  pages 79-86 |
| Day 11 | * Demonstrate the many uses of MS PowerPoint | digiTiTans 6  pages 87-92 |
| Day 12 | Summative Test |  |
| Day 13 | Create a basic flowchart about the chosen topic |  |
| Day 14 | Summative Test |  |
| Day 15-16 | Determine a student’s final grade and indicate whether it is passing or failing |  |

Prepared by: Approved by:

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