

# ICT :: MODULAR STUDIES (Grade 11 and 12) [Self Directed]

Description: ICT is a project based program that explores all aspects of digital design, creation, transmission and management. This course is a modular course that offers multiple possible streams to complete the course. Students will be assigned the task to identify the modules they wish to study. The emphasis in this course is always placing the student in the driver's seat, and empowering them with the skills to develop a successful self directed learning process and life changing experience! With this increase freedom in course approach the student really needs to assume full responsibility for actions and accomplishments.

## OVERVIEW OF PATHWAYS and MODULES

### Pathways and Modules

The prescribed learning outcomes for ICT 11 and 12 are grouped into four pathways; each pathway consists of eight modules. The pathways reflect the broad areas of learning in information and communications technology; the modules reflect groupings of concepts.

The four pathways are as follows:

- Applied Digital Communications
- Digital Media Development
- Computer Information Systems
- Computer Programming

In addition to the four pathways, there is a set of prescribed learning outcomes for The Nature of Information and Communications Technology (ICT). These learning outcomes are common to all pathways, and will be integrated throughout. The modules were designed as stand-alone units, each requiring approximately the same amount of learning time.

The [Pathways and Modules Chart](#) provides an overview of ICT pathways and modules for Grade 11 and Grade 12.

### The Nature of Information and Communications Technology

The learning outcomes address the attitudes, skills, and knowledge that support students' understanding of the nature of ICT and its impact on self, work, and society.

### The Applied Digital Communications Pathway

The learning outcomes in the Applied Digital Communications pathway focus on the development of speed, proficiency, and breadth of knowledge with the use of common application software.

### The Digital Media Development Pathway

The learning outcomes in the Digital Media Development pathway focus on the technical side of visual media development.

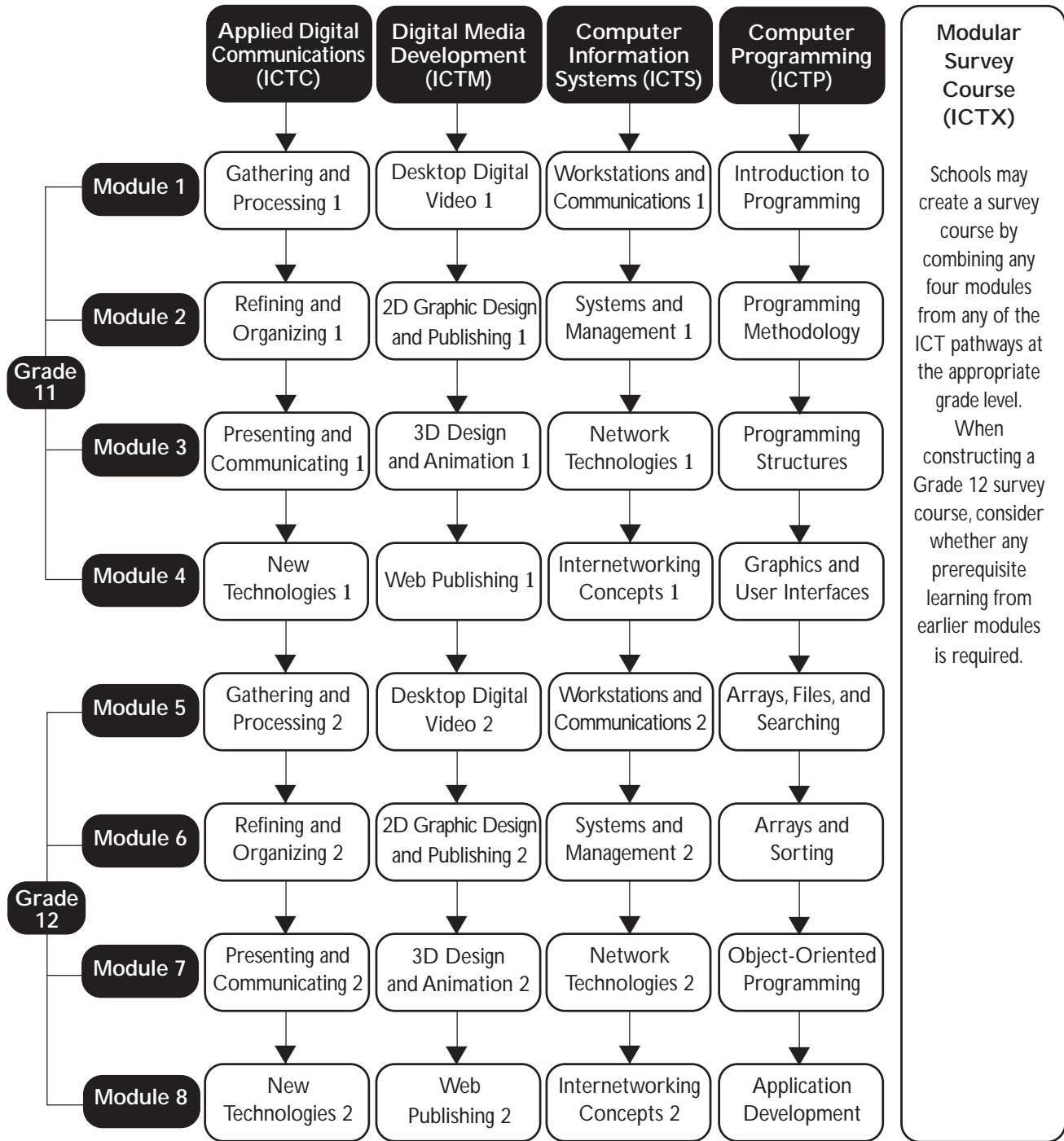
### The Computer Information Systems Pathway

The learning outcomes in the Computer Information Systems pathway focus on the technical side of computer systems and the connectivity of those systems.

### The Computer Programming Pathway

The learning outcomes in the Computer Programming pathway focus on the development of programs using a structured, object-oriented programming language. It is recommended that the modules identified in this pathway be taken sequentially in order to ensure student success and limit the difficulties students may experience.

**Pathways and Modules Overview**



The learning outcomes related to The Nature of ICT are common to all pathways and should be integrated with the four modules that comprise any ICT 11 or 12 course.