



Course Outline – Secondary 4

Science and Technology

Course Code : 555404

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Competencies

<i>Solves Problems</i>	40%
<i>Uses her knowledge of science and technology</i>	40%
<i>Communicates by using scientific & technological vocabulary & symbols</i>	20%

Course Description

Science and technology are playing an increasingly important role in our lives and have made a key contribution to the transformation of societies. Their influence extends to a multitude of achievements that can be found everywhere in our environment. The associated methodologies and the knowledge they have generated apply to many different spheres of human activity.

This course integrates four major areas of study, including the Material World, Earth and Space, the Living World, and the Technological World. Whenever possible, a hands-on, problem-based approach will be used to address both the course content and competency development.

Principle Themes

- Physical, Chemical and Characteristic Properties
- Physical And Chemical Changes; Types of Chemical Reactions
- Organization of Matter and the Periodic Table
- Electrostatics
- Magnetism
- Electric Circuits
- Biogeochemical Cycles
- Ecology
- Climate Zones

Evaluation

- Learning and Evaluation Situations
- Evaluation Situations
- Tests
- Labs
- Homework

Course Text

Science Quest Les Editions de la Chenelière 2002