



## Course Outline – Secondary 3

# Science and Technology

Course Code : 555306

Teacher(s)	L Laflamme	F. Tessier
Email(s)	<a href="mailto:LLaflamme@villamaria.qc.ca">LLaflamme@villamaria.qc.ca</a>	<a href="mailto:TessierF@villamaria.qc.ca">TessierF@villamaria.qc.ca</a>
Voice Mail(s)	514-484-4950 ext. 1516	514-484-4950 ext. 1519

### Competencies

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

### Course Description

Science and technology play 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.

The program creates a single discipline by integrating five scientific fields (astronomy, biology, chemistry, geology, and physics) and technology. The curriculum is organized in this way because it is often necessary to refer to subject matter and methods from several fields at once to solve problems or form opinions about major scientific or technological issues.

### Principle Themes

- Homeostasis
- Body organization and different tissues in the body
- Body systems and relationships among them
- Cell division
- Reproduction
- Evolution, extinction and fossils
- Biotechnology
- Matter
- Fluids
- Waves
- Human ear and eye

### Evaluation

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

### Course Materials

**Synergy, science and technology**, Chartre Claudie & Levert Isabelle, Graphicor, Cheneliere Education, QC, 2009