



## CENTENNIAL REGIONAL HIGH SCHOOL

### COURSE OUTLINE 2020-2021

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**Subject:** Science and Technology

**Level:** Secondary 1 TAG

#### **Course Description and Objectives:**

The Science and Technology program is a bilingual course and creates a single discipline by integrating five scientific fields (chemistry, physics, biology, astronomy, geology) and various technological fields. Our tag students do the Secondary 1 and 2 programme in the same year.

The Science and Technology program is aimed at helping students develop basic scientific and technological literacy that should be within everyone's reach. Students will be encouraged to gradually build on this basic knowledge, to make them aware of how it can improve their ability to make informed decisions and to have them discover the enjoyment that can be derived from the study of science and technology.

Course Content:

1. Introduction to the Material World - mass, volume, mixtures, pure substances, atoms
2. Introduction to the Living World - taxonomy, adaptations, food chains, cells
3. Introduction to Earth and Space - the Earth's crust, geophysical forces
4. Introduction to Technology - technological systems, forces and motion

#### **Evaluation:**

The program focuses on the development of two interrelated competencies associated with various complementary aspects of science and technology.

The two competencies to be developed in Secondary Cycle One are as follows:

- Seeks answers or solutions to scientific or technological problems
- Makes the most of his/her knowledge of science and technology

**Safety glasses or goggles are required for laboratory work. (School will provide 1 set per laboratory)**