

Teacher Name: *Elise Ahern-Davy*

Subject: *Secondary 3
Science*

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Course Code: *555-306*

Course Description:

The secondary three science course covers topics related to the human organism and its connection to the world. The course has been divided into four areas: The Material World, The Earth and Space, The Living World, and The Technological World.

Course Content:

Term 1: August 30 th – November 4 th		20 % of year
Content	Timeline (Dates)	Evaluation Methods
ORGANIZATION OF MATTER <ul style="list-style-type: none"> • Particle Model • Mixtures • Pure Substances ENERGY <ul style="list-style-type: none"> • Forms of Energy • Transformation and Transfer of Energy • Physical Changes • Chemical Changes BEHAVIOUR OF FLUIDS <ul style="list-style-type: none"> • Compressible and Incompressible Fluids • Pressure and Forces • Pressure of Fluids • Pressure variation 	September 2022 October 2022 October 2022	Students will receive a mark in each of the following competencies: practical (lab) and theory. The practical competency is worth 40% of the student's term mark. Students are evaluated on work they produce during lab activities in the form of products, observations, and reports. The theory competency is worth 60% of the student's term mark. Students are evaluated based on the following weighting: Assignments: 25% Tests and quizzes: 35%
Term 2: November 7 th – February 3 rd		20% of year
Content	Timeline (Dates)	Evaluation Methods
LIGHT AND SOUND <ul style="list-style-type: none"> • Wave Characteristics • Types of Waves • Sound Waves • Light Waves PERPETUATION OF LIFE <ul style="list-style-type: none"> • Cell structure and function 	November 2022	Students will receive a mark in each of the following competencies: practical (lab) and theory. The practical competency is worth 40% of the student's

<ul style="list-style-type: none"> DNA and Genetics Cell Division Cellular Specialization Reproduction Systems Human development <p>NUTRITION</p> <ul style="list-style-type: none"> Nutrients in Food Digestive System 	<p align="center">December 2022-January 2023</p> <p align="center">January 2023</p>	<p>term mark. Students are evaluated on work they produce during lab activities in the form of products, observations, and reports.</p> <p>The theory competency is worth 60% of the student's term mark. Students are evaluated based on the following weighting:</p> <p>Assignments: 25% Tests and quizzes: 35%</p>
<p>Term 3: February 6th – June 22nd</p>		<p align="right">60 % of year</p>
Content	Timeline (Dates)	Evaluation Methods
<p>RESPIRATION</p> <ul style="list-style-type: none"> Cellular Respiration Respiratory Anatomy Gas Exchange <p>BLOOD AND LYMPH CIRCULATION</p> <ul style="list-style-type: none"> Blood Constituents and Blood Typing Cardiovascular System Lymphatic System <p>ELIMINATION OF WASTE</p> <ul style="list-style-type: none"> Urinary System Composition of Urine <p>NERVOUS SYSTEM</p> <ul style="list-style-type: none"> Peripheral and Central Nervous Systems <p>SENSORY ORGANS</p> <ul style="list-style-type: none"> The Eye, The Ear, The Skin, The Nose, The Tongue <p>MUSCULOSKELETAL SYSTEM</p> <ul style="list-style-type: none"> Bones, joints, and muscles <p>BIOTECHNOLOGY</p> <ul style="list-style-type: none"> Traditional Technologies Modern Technologies (GMOS, Cloning, etc...) <p><u>Earth and Space:</u> DIMENSIONS OF SPACE</p> <ul style="list-style-type: none"> Astronomy 	<p align="center">February 2023</p> <p align="center">February 2023</p> <p align="center">March 2023</p> <p align="center">March 2023</p> <p align="center">March 2023</p> <p align="center">March 2023</p> <p align="center">April 2023</p> <p align="center">April 2023</p>	<p>Students will receive a mark in each of the following competencies: practical (lab) and theory.</p> <p>The practical competency is worth 40% of the student's term mark. Students are evaluated on work they produce during lab activities in the form of products, observations, and reports.</p> <p>The theory competency is worth 60% of the student's term mark. Students are evaluated based on the following weighting:</p> <p>Assignments: 25% Tests and quizzes: 35%</p>

Standards & Procedures 2022 – 2023

rules will be posted in the lab as a reminder of appropriate behaviours and precautions to take when working in the lab. When they use instruments, tools or machines, students are expected to be aware of the applicable safety standards and work carefully in the lab. When in doubt, they should ask the teacher or technician to confirm that they are working safely or that they are using materials properly.

Laboratory Equipment: Students are responsible for the equipment that they use. If equipment is intentionally broken or damaged or damaged as the result of inappropriate lab behaviour, the student is responsible for replacing it or paying the replacement fee. |