

## ST. THOMAS AQUINAS SCIENCE DEPARTMENT

COURSE: SNC 2D (Grade 10 Applied Science)

Teacher: Mr. Eagan

The study of science at St. Thomas Aquinas allows the students the opportunity to explore the physical (physics), chemical and biological basis of our existence on earth, through a Catholic viewpoint. It is hoped that through the study of science, students will gain a greater appreciation for the complexity of God's creations, as well as a sense of 'stewardship' for all living things on earth.

This course enables students to develop their understanding of basic concepts in biology, chemistry, earth and space science and physics, and to apply their knowledge of science to everyday situations. They are also given the opportunity to develop practical skills related to scientific investigation. Students will plan and conduct investigations into practical problems and issues related to human cells and body systems; chemical reactions; factors affecting climate change; and the interaction of light and matter.

<u>EVALUATION</u>	
<b>TERM:</b>	
Knowledge and Understanding	30 %
Critical Thinking and Investigation	15 %
Communication	10 %
Application	15 %
<b>(TOTAL:</b>	<b>70 %)</b>
<b>FINAL:</b>	
Culminating Activity (lab exam)	10 %
Exam	20 %
<b>(TOTAL:</b>	<b>30 %)</b>

<u>CORE UNITS</u>	
<b>BIOLOGY:</b>	Tissues, Organs, and Systems
<b>CHEMISTRY:</b>	Chemical Reactions and Their Practical Applications
<b>PHYSICS:</b>	Light and Applications of Optics
<b>EARTH AND SPACE SCIENCE</b>	Earth's Dynamic Climate

### STUDENT EXPECTATIONS

**ATTENDANCE:** Attendance and punctuality (with the appropriate school supplies!) are expected of all students. All students are expected to be in uniform upon entering the classroom. Absolutely NO KNAPSACKS or BAGS are allowed in the science lab. Late students will wait in the hallway until class is working.

**MISSED WORK:** It is the student's responsibility to catch up on all work due to absence. If a student is to be absent for an extended period of time, the student or parent/guardian should contact the office and pick up the assigned work. Missed labs will be made up outside class time. Formal labs must always be made up within two days of returning to school. **Students responsibility , not the teachers!!**

**MISSED TESTS:** Student legitimately absent will write the test on the day they return to school. However, the student must have their parent/guardian phone the school on the day of the test explaining the absence and acknowledging awareness that a test is being missed. Failure to do so will result in a grade of zero being given on the test. If a student is aware that they will be absent for a legitimate reason (medical appointment, extra or co-curricular event) and do not inform the teacher prior to the test a grade of zero will be given. All attempts will be made to have the student write the test prior to the absence.

**ASSIGNMENTS:** It is very important to complete all assignments on time. Students will incur a 5% late deduction per day, up to a maximum of 10%, for all assignments handed in after the due date. When marked assignments are returned to the students, any outstanding assignments will be recorded as a zero!!

**PLAGIARISM:** Plagiarism will NOT be tolerated. Any work submitted that is not the original work of the student will be recorded as a non submission. All cases of plagiarism will be addressed by the teacher with the student, parents and administration

\*Items may be subject to change at the discretion of the teacher.

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### STUDENT AGREEMENT

"I understand the above guidelines and agree to uphold the procedures described. I also understand that frequent disregard of these procedures will result in a phone call home and the possibility of a parent/guardian-student-teacher interview. I also understand that if I use my SMARTPHONE I will lose it to the office".

Student's Signature: \_\_\_\_\_

Parents/Guardians - If you have any questions or concerns regarding your child, please feel free to contact me through the school, or by email [teagan@smcgsb.on.ca](mailto:teagan@smcgsb.on.ca). Emailing me is more reliable than a phone call.

Parent/Guardian Signature: \_\_\_\_\_

Parent/Guardian email address: \_\_\_\_\_

Handwritten mathematical formulas on a blackboard:

$$\begin{aligned} \mathcal{L} &= -\frac{1}{4} F_n \\ &+ i F_n \\ &+ F_n \cdot \mathcal{L}_i \\ &+ |D_n|^2 \end{aligned}$$