

# Waterloo Catholic District School Board

## SCIENCE STUDENT INFORMATION SHEET SBI3C



School: M.D.C.S.S.; R.C.S.S.; S.B.C.S.S.; **S.D.C.S.S.**; S.M.H.S.  
Course Title: Biology Grade 11  
Credit: 1.0

Course Type: College  
Prerequisite: SNC2P or SNC2D

### Course Description:

This course focuses on the processes that occur in biological systems. Students will learn concepts and theories as they conduct investigations in the areas of cellular biology, microbiology, genetics, the anatomy of mammals, and the structure of plants and their role in the natural environment. Emphasis will be placed on the practical application of concepts, and on the skills needed for further study in various branches of the life sciences and related fields.

Students taking junior Essential/Applied Science courses and the senior Workplace courses will be required to write a 76 minute exam (along with possible additional earlier culminating activities). All other Science courses (both junior and senior) will be required to write a two hour examination. Students who have incomplete summative evaluations and/or culminating activities in the course and/or those not achieving the credit at the end of the semester will be required to attend a credit rescue period during the examination schedule to complete and demonstrate overall or missing expectations for the course or prepare for alternate remediation.

### Course Breakdown & Assessment and Evaluation Strategies

	Unit Title / Description	Assessment & Evaluation Strategies	Learning Skills
Unit 1	Cellular Biology	For all units, the Board's document <u>Authentic Assessment</u> will be used as a source for different assessment strategies, including: <ul style="list-style-type: none"> <li>• Reflection</li> <li>• Observation</li> <li>• Conferencing</li> <li>• Lab Reporting</li> <li>• Portfolios</li> <li>• Performance Assessment</li> <li>• Paper and Pencil Tests</li> </ul>	<ul style="list-style-type: none"> <li>• Responsibility</li> <li>• Organization</li> <li>• Independent Work</li> <li>• Collaboration</li> <li>• Initiative</li> <li>• Self-regulation</li> </ul>
Unit 2	Microbiology		
Unit 3	Anatomy of Mammals		
Unit 4	Plants in the Natural Environment		
Unit 5	Genetics		
Final Evaluation	<b>Final Summative Evaluation Activities</b> (Practical and written component)		
			E- Excellent G-Good S-Satisfactory N-Needs Improvement

### Assessment and Evaluation of Student Learning

Student achievement of the learning expectations will be evaluated according to the following breakdowns:

CATEGORIES OF KNOWLEDGE, SKILLS AND VALUES	WEIGHTING (%)	
	TERM EVALUATION	FINAL EVALUATION ACTIVITY
Knowledge / Understanding	30%	30%
Thinking / Inquiry	30%	30%
Communication	20%	20%
Application / Making Connections	20%	20%
<b>BREAKDOWN OF FINAL MARK</b>	70%	30%
		<b>=100%</b>

### Learning Resources:

Refer to [www.wcdsb.ca](http://www.wcdsb.ca) for Board policy on late and missed assignments

The Ontario Curriculum, Grades 11 and 12 – Science 2008– Policy Document

Nelson Biology 11 College Preparation, Di Giuseppe, *et. al.*, Nelson Thomson Publishing, 2003 ([www.nelson.com](http://www.nelson.com))