

Course Outline: Science, Grade 12 Workplace Preparation

Course Code: SNC 4E

Credit Value: 1.0

Prerequisite: Science, Grade 10, Applied

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 area 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.

Textbook: Science Wise: Succeeding In Today's World

Curriculum Strands:	Units of Study:
Scientific Investigation Skills And Career Exploration	Unit 1: Materials and Safety
Hazards In The Workplace	Unit 2: Electric Circuits
Chemicals In Consumer Products	Unit 3: Microorganisms
Disease And Its Prevention	Unit 4: The Immune System and Human Health
Electricity At Home And Work	Unit 5: Human Impact on the Environment
	Unit 6: Nutritional Science

Assessment & Evaluation:

Term Work:	70%	Final Summative:	30%
Knowledge and Understanding	= 35 %	Unit Summative Tests	10 %
Thinking/Inquiry	= 25 %	ISU and Presentation	10 %
Application	= 25 %	Final Examination	10 %
Communication	= 15 %		

Within each Curriculum Strand, the following Achievement Chart Categories will be used for individual evaluations: Knowledge/Understanding, Thinking/Inquiry, Application, Communication

Learning Skills and Work Habits: The following Learning Skills and Work Habits are evaluated regularly using a scale of Needs Improvement, Satisfactory, Good or Excellent:

- Responsibility
- Independent Work
- Initiative
- Organization
- Collaboration
- Self-Regulation

Growing Success: Students will be assessed through a combination of conversation, observation, and product. Success criteria, exemplars and ongoing descriptive feedback will be used to support student learning. Assessment will be varied in nature, and administered over a period of time to provide multiple opportunities for students to demonstrate the full range of their learning. The final grade should reflect the student's most consistent level of achievement, with special consideration given to more recent evidence. (*Growing Success, 2010*)

Teaching Strategies: A variety of teaching and learning strategies will be incorporated throughout the course.