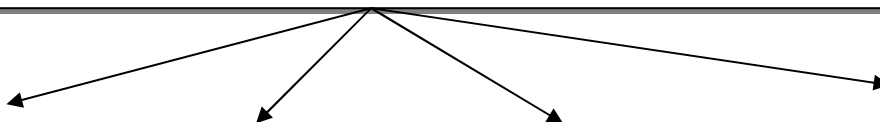


# SCIENCE DEPARTMENT COURSE SELECTION GUIDE

**SCIENCE 9**  
Sask. Environment, Chemical Properties & Reactions,  
Density/Buoyancy/Pressure, Electricity & Magnetism, Risks & Limits  
*Compulsory for all students*

**SCIENCE 10**  
Matter & Chemical Changes, Applied & Consumer Chemistry, Energy  
Water Quality & Aquatic Ecosystems  
*Compulsory for all students*



**BIOLOGY 20**  
Diversity of organisms and environmental relationships of community, ecosystems, and biome. Traces the “Webs of Life” and life patterns of each kingdom



**BIOLOGY 30**  
(Science 10 is a prerequisite)  
Cell physiology, plant & animal physiology, reproduction, heredity, evolution, human species and our impact on our biosphere

**CHEMISTRY 20**  
Atomic Theory, Periodic Table, Reactions, Electrical Nature of Matter, Kinetic Theory of Gases



**CHEMISTRY 30**  
Energy & Rates of Reactions, Equilibrium, Acids & Bases Oxidation Reduction reactions, Chemical Bonding

**PHYSICS 20**  
Movement of Energy: Waves, Light, Sound; Wave Phenomena: Reflection, Refraction, Diffraction, Interference



**PHYSICS 30**  
(Math A30 or Physics 20 required)  
Motion: Kinematics Dynamics & Forces, Momentum, Energy, Work & Power

**COMPUTER SCIENCE 20**  
Problem solving through the use of algorithms, Flowcharts, and Visual Basic programming language



**COMPUTER SCIENCE 30**  
C++ is used to develop concepts of languages and machine architecture

**One science class is required at the 20 or 30 level for graduation.**