

PRE-REQUISITE SKILLS TO HELP ACHIEVE SUCCESS IN GRADE 10 SCIENCE

Physics Unit
<ul style="list-style-type: none">• basic algebra skills (order of operations, calculator input, exponents, etc.) in using simple formulas & variables• formula rearrangement to solve for an unknown variable• graphing skills (taking data from a table and representing it visually by constructing a graph with manipulated variable and responding variable)• knowledge of SI units of measurement and ability to convert from one unit to another
Biology/Ecology Unit
<ul style="list-style-type: none">• life cycle, water cycle, ecosystems• photosynthesis/cellular respiration basics• basic parts of the cell (ie. nucleus)• using a microscope
Chemistry Unit
<ul style="list-style-type: none">• parts of the atom (protons, neutrons, electrons)• basic identifying (not necessarily memorizing) of elements on the periodic table• knowledge of which elements are metals / non-metals• simple naming of ionic compounds (ie. CaCl_2 - calcium chloride)• simple naming of molecular compounds (ie. N_2O_3 - dinitrogen trioxide)