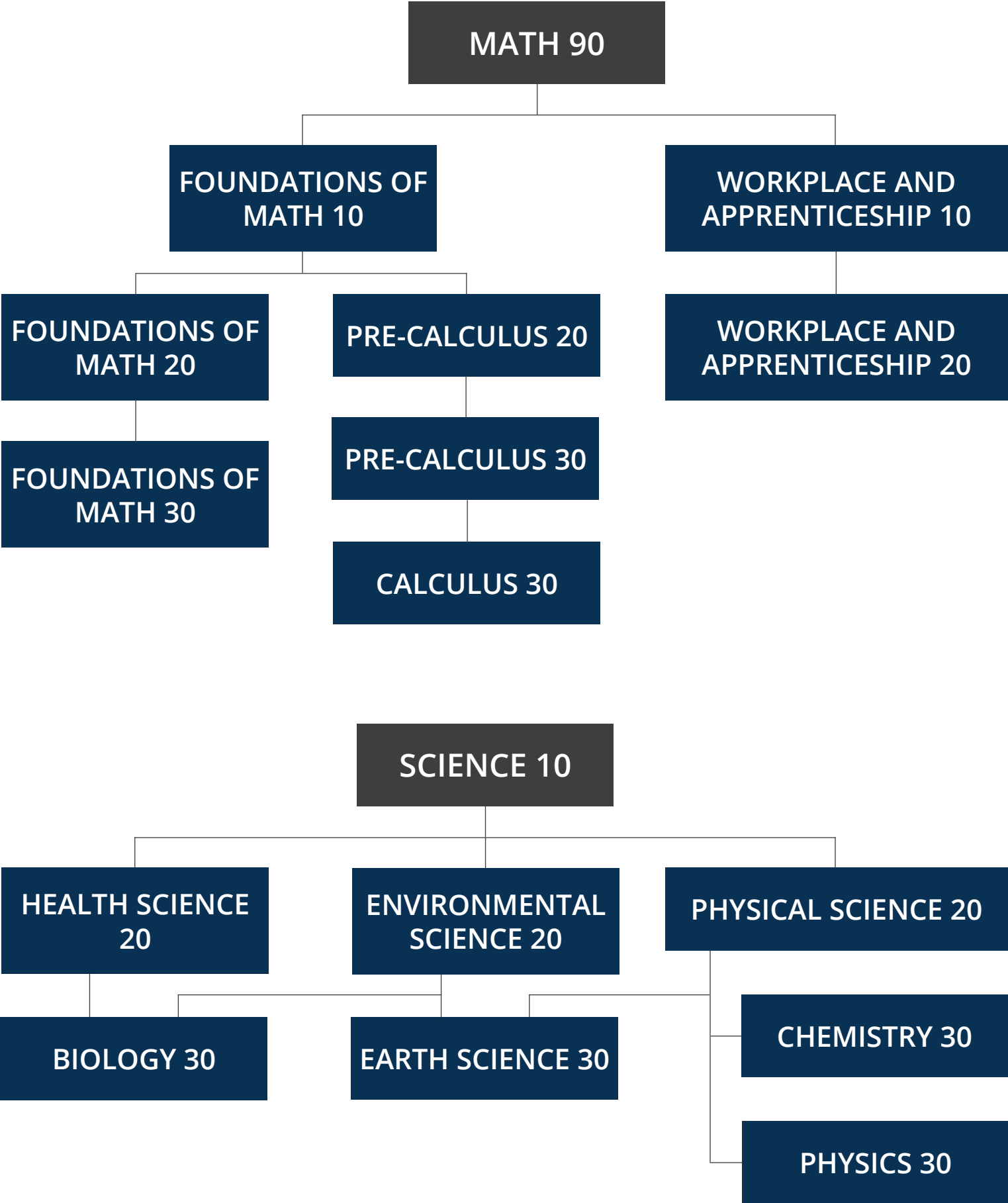


# MATHEMATICS AND SCIENCE PATHWAYS



## HOW TO CHOOSE MATHEMATICS PATHWAYS

FUTURE PLAN EXAMPLES	MOST RELEVANT COURSE	EXAMPLES OF WHAT TO DO WITH THIS FOCUS
Technical college Trade school Direct entry into workforce	Apprenticeship and Workplace Mathematics 10–12	Agriculture equipment technician Autobody technician Civil engineering technology Electrician Welder/carpenter Geomatics and surveying engineering Heavy equipment operator Cooking Machinist Plumber/pipefitter Power engineering Underground mining Veterinary technologist
Social Sciences Humanities Fine Arts Undecided	Foundations of Mathematics Pre-Calculus 10 Foundations 11–12	University/college BA Social sciences (economics, geography, psychology, humanities, arts) Education (unless you want to be a math or science teacher)
STEM (Science, Technology, Engineering, Math) Medicine Commerce	Foundations of Mathematics Pre-Calculus Pre-Calculus 11–12	University/college BS STEM, medicine, finance High school math/science



## HOW TO CHOOSE SCIENCE PATHWAYS

HEALTH SCIENCE	ENVIRONMENTAL SCIENCE	PHYSICAL SCIENCE	EARTH SCIENCE
<p>Learn about health from holistic and analytic perspectives</p> <p>Look at medical knowledge systems and ethics</p> <p>Study normal/abnormal functions of various body systems</p> <p>Investigate health science careers and post-secondary options in Sask</p>	<p>Examine the role of environmental policies and ethics</p> <p>Investigate environmental action plans</p> <p>Research local and global environmental issues from scientific and indigenous perspectives</p>	<p>Investigate scientific concepts in a hands-on, lab-based setting</p> <p>Combines chemistry and physics to learn heating and cooling, foundations of chemistry, quantitative analysis of molecules and chemical reactions, and the characteristics and properties of waves</p>	<p>Examine the earth’s geological origins and geological timescale from a Biblical perspective</p> <p>Develop visual-spatial reasoning skills and an understanding of Geographic Information Systems</p> <p>Explore historical and contemporary significance of earth science and related careers</p>

