



# Big Ideas – Grade 8

Subject	Big Idea	Subject	Big Idea
Arts Education	Creative growth requires patience, readiness to take risks, and willingness to try new approaches.	Mathematics	The relationship between surface area and volume of 3D objects can be used to describe, measure, and compare spatial relationships.
Arts Education	Individual and collective expression can be achieved through the arts.	Mathematics	Analyzing data by determining averages is one way to make sense of large data sets and enables us to compare and interpret.
Arts Education	Dance, drama, music, and visual arts are each unique languages for creating and communicating.	Physical and Health Education	Daily participation in different types of physical activity influences our physical literacy and personal health and fitness goals.
Arts Education	Artists often challenge the status quo and open us to new perspectives and experiences.	Physical and Health Education	Lifelong participation in physical activity has many benefits and is an essential part of a healthy lifestyle.
Applied Design, Skills and Technologies	Design can be responsive to identified needs.	Physical and Health Education	Healthy choices influence our physical, emotional, and mental well-being.
Applied Design, Skills and Technologies	Complex tasks require the acquisition of additional skills.	Physical and Health Education	Healthy relationships can help us lead rewarding and fulfilling lives.
Applied Design, Skills and Technologies	Complex tasks may require multiple tools and technologies.	Physical and Health Education	Advocating for the health and well-being of others connects us to our community.
English Language Arts	Language and text can be a source of creativity and joy.	Science	Life processes are performed at the cellular level.
English Language Arts	Exploring stories and other texts helps us understand ourselves and make connections to others and to the world.	Science	The behaviour of matter can be explained by the kinetic molecular theory and atomic theory.
English Language Arts	People understand text differently depending on their worldviews and perspectives.	Science	Energy can be transferred as both a particle and a wave.
English Language Arts	Texts are socially, culturally, and historically constructed.	Science	The theory of plate tectonics is the unifying theory that explains Earth's geological processes.
English Language Arts	Questioning what we hear, read, and view contributes to our ability to be educated and engaged citizens.	Social Studies	Contacts and conflicts between peoples stimulated significant cultural, social, political change.
Mathematics	Number represents, describes, and compares the quantities of ratios, rates, and percents.	Social Studies	Human and environmental factors shape changes in population and living standards.
Mathematics	Computational fluency and flexibility extend to operations with fractions.	Social Studies	Exploration, expansion, and colonization had varying consequences for different groups.
Mathematics	Discrete linear relationships can be represented in many connected ways and used to identify and make generalizations.	Social Studies	Changing ideas about the world created tension between people wanting to adopt new ideas and those wanting to preserve established traditions.