BIG IDEAS BY GRADE

GRADE EIGHT

LANGUAGE ARTS	Language and text can be a source of creativity and joy	Exploring stories and other texts help us understand ourselves and make connections to others and to the world.	People understand text differently depending on their worldviews and perspectives.	Texts are socially, culturally and historically constructed.	Questioning what we hear, read, and view contributes to our ability to be educated and engaged citizens.
MATH	Number represents, describes, and compares the quantities of ratios, rates and percents.	Computational fluency and flexibility with numbers extend to operations with fractions.	Discrete linear relations can be represented in many connected ways and used to identify and make generalizations.	The relationship between surface area and volume of 3D objects can be used to describe, measure, and compare spatial relationships.	Analyzing data by determining averages is one way to make sense of large data sets and enables us to compare and interpret.
SOCIAL STUDIES	Contacts and conflicts between peoples stimulated significant cultural, social, political change.	Human and environmental factors shape changes in population and living standards.	Exploration, expansion, and colonization had varying consequences for different groups.	Changing ideas about the world created tension between people wanting to adopt new ideas and those wanting to preserve established traditions.	
SCIENCE	Life processes are performed at the cellular level.	The behavior of matter can be explained by the kinetic molecular theory and atomic theory.	Energy can be transferred as both a particle and a wave.	The theory of plate tectonics is the unifying theory that explains Earth's geological processes.	
ARTS ED	Creative growth requires patience, readiness to take risks, and willingness to try new approaches.	Individual and collective expression can be achieved through the arts.	Dance, drama, music and visual arts are each unique languages for creating and communicating.	Artists often challenge the status quo and open us to new perspectives and experiences.	
PHYSICAL AND HEALTH ED	Daily participation in different types of physical activity influences our physical literacy and personal health and fitness goals.	Lifelong participation in physical activity has many benefits and is an essential part of a healthy lifestyle.	Healthy relationships can help us lead rewarding and fulfilling lives.	Healthy choices influence our physical, emotional and mental well-being.	Advocating for the health and well-being of others connects us to our community.
ADST	Design can be responsive to identified needs.		Complex tasks require the acquisition of additional skills.	Complex tasks may require multiple tools and technologies.	
CAREER ED	Reflecting on our preferences and skills helps us identify the steps we need to take to achieve our career goals.	The value of work in our lives, communities, and society can be viewed from diverse populations.	Achieving our learning goals requires effort and perseverance.	Adapting to economic and labour market changes requires flexibility.	Our career paths reflect the personal, community and educational choices we make.
CORE FRENCH	Listening and viewing with intent helps deepen our understanding of French.	We can express ourselves and talk about the world around us in French.	With increased fluency in French, we can participate more actively in reciprocal interactions.	Creative works allow us to experience culture in an authentic way.	Stories allow us to understand ideas in a meaningful way.	Acquiring a new language and learning about another culture deepen our understanding of our own language and culture.