

GRADE 6/7:

CURRICULAR AREA	GRADE 6 BIG IDEA	GRADE 7 BIG IDEA	CONCEPTS
NUMERACY	Mixed numbers and decimal numbers represent quantities that can be decomposed into parts and wholes.	Decimals, fractions, and percent are used to represent and describe parts and wholes of numbers.	Quantity Equivalence Number Relationship
	Computational fluency and flexibility with numbers extend to operations with whole numbers and decimals.	Computational fluency and flexibility with numbers extend to operations with integers and decimals.	Number Relationship Fluency Change Equivalence
	Linear relations can be identified and represented using expressions with variables and line graphs and can be used to form generalizations.	Linear relations can be represented in many connected ways to identify regularities and make generalizations.	Pattern Relationship Organization Generalization System Connection
	Properties of objects and shapes can be described, measured, and compared using volume, area, perimeter, and angles.	The constant ratio between the circumference and diameter of circles can be used to describe, measure, and compare spatial relationships.	Shape Space Relationship Properties
	Data from the results of an experiment can be used to predict the theoretical probability of an event and to compare and interpret.	Data from circle graphs can be used to illustrate proportion and to compare and interpret.	Prediction Relationship Causation Logic Proportion

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SCIENCE	Multicellular organisms rely on internal systems to survive, reproduce, and interact with their environment.	Evolution by natural selection provides an explanation for the diversity and survival of living things.	Survival Interactions Environment
	Multicellular organisms rely on internal systems to survive, reproduce, and interact with their environment.	The solar system is part of the Milky Way, which is one of billions of galaxies.	Organization Interaction Order
	Everyday materials are often mixtures.	Elements consist of one type of atom, and compounds consist of atoms of different elements chemically combined.	Form Change Function
	Newton's three laws of motion describe the relationship between force and motion	The electromagnetic force produces both electricity and magnetism.	Motion Force

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SOCIALS	Economic self-interest can be a significant cause of conflict among peoples and governments.	Religious and cultural practices that emerged during this period have endured and continue to influence people.	Cause/ effect Conflict Identity Diversity
	Systems of government vary in their respect for human rights and freedoms.	Increasingly complex societies required new systems of laws and government.	Systems
	Complex global problems require international cooperation to make difficult choices for the future.	Geographic conditions shaped the emergence of civilizations.	Form Change Cause/ effect
	Complex global problems require international cooperation to make difficult choices for the future.	Economic specialization and trade networks can lead to conflict and cooperation between societies.	Cooperation Networks Conflict