

New 2016 Grade 4 Curriculum Correlations for *MineralsEd Integrated Resource Unit on Mining*

Big Ideas

English Language Arts

Language and text can be a source of creativity and joy.

Exploring text and story helps us understand ourselves and make connections to others and to the world

Listening carefully helps us learn.

Text can be understood from different perspectives.

Using language in creative and playful ways helps us understand how language works.

Combining different texts and ideas allows us to create new understandings.

Texts are created for different purposes and audiences.

Mathematics

Number represents and describes quantity: Parts of wholes can be represented by fractions and decimals.

Developing computational fluency comes from a strong sense of number: Patterns and relations within multiplication and division develop multiplicative thinking.

We use patterns to represent identifiable regularities and to form generalizations: The regular change in patterns can be represented using tools and tables.

We can describe, measure, and compare spatial relationships: Polygons are closed shapes with similar attributes.

Analyzing data and chance help us to compare and interpret: Probability experiments develop and understanding of chance.

Social Studies

The pursuit of valuable natural resources has played a key role in changing the land, people, and communities of Canada.

Interactions between First Peoples and Europeans lead to conflict and cooperation, which continues to shape Canada's identity.

Demographic changes in North America created shifts in economic and political power.

British Columbia followed a unique path in becoming a part of Canada.

Science

All living things and their environments are interdependent.

Matter has mass, takes up space, and can change phase.

Energy comes in a variety of forms that can be transferred from one object to another.

The motion of the Earth and the moon cause observational patterns that affect living and non-living systems.

Arts Education

Creative expression is a means to explore and share one's identity within a community.

Artists experiment in a variety of ways to discover new possibilities.

Dance, drama, music and visual arts are each unique languages for creating and communicating.

Exploring works of art exposes us to diverse values, knowledge, and perspectives.

Physical and Health Education

Daily participation in physical activity at moderate to vigorous intensity levels benefits all aspects of our well-being.

Knowing what we enjoy doing and knowing about our opportunities to participate in those activities helps us develop an active lifestyle.

Understanding ourselves and the various aspects of health helps us develop a balanced lifestyle.

Personal choices and social and environmental factors influence our health and well-being.

Developing healthy relationships helps us feel connected, supported, and valued.

Applied Design, Skills and Technologies

Designs can be improved with prototyping and testing.

Skills are developed through practice, effort, and action.

The choice of technology and tools depends on the task.

Career Education

Public identity is influenced by personal choices and decisions.

Exploring our strengths and abilities can help us identify our goals.

Leadership requires listening to and respecting the ideas of others.

Family and community relationships can be a source of support and guidance when solving problems and making decisions.

Good learning and work habits contribute to short- and long-term personal and career success.

New 2016 Grade 5 Curriculum Correlations for *MineralsEd Integrated Resource Unit on Mining*

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Mathematics

Number represents and describes quantity: Parts of wholes can be represented by fractions and decimals.

Developing computational fluency comes from a strong sense of number: Flexibility in working with numbers extends to operations with larger (multi-digit) numbers.

We use patterns to represent identifiable regularities and to form generalizations: Number patterns can be expressed using variables in tables.

We can describe, measure, and compare spatial relationships: Closed shapes have area and perimeter.

Analyzing data and chance help us to compare and interpret: Graphs can be used to show many-to-one correspondance.

Social Studies

Canada's policies and treatment of minority groups have negative and positive legacies.

Natural resources continue to shape the economy and identity of different regions of Canada.

Immigration and multiculturalism continue to shape Canadian society and identity.

Canadian institutions and government reflect the challenge of our regional diversity.

Science

Multicellular organisms have organ systems that enable them to survive and interact within their environment.

Solutions are homogenous mixtures.

Machines are devices that transfer force and energy.

Humans use earth materials as natural resources.

Arts Education

Engaging in creative expression and experiences expands people's sense of identity and belonging.

Artists experiment in a variety of ways to discover new possibilities.

Dance, drama, music and visual arts are each unique languages for creating and communicating.

Works of art influence and are influenced by the world around us.

Physical and Health Education

Daily physical activity enables us to practice skillful movement and helps us develop personal fitness.

Knowing what we enjoy doing and knowing about our opportunities to participate in those activities helps us develop an active lifestyle.

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