



# Arts: Music Overview

School year 2018/2019

Subject: Gr. 6

Unit title	Key concept	Related concept(s)	Global context	Statement of inquiry	Objectives	ATL skills	Content	Standards
Magic Flute	Communication	Composition	Personal and Cultural Expression	Numbers can communicate sound and structure in a composition.	A Knowing and understanding	Communication	A study of the dizi 笛子 (Chinese flute) and creation of an original composition using number notation.	
		Structure			C Thinking creatively			
Band	Identity	Genre	Identities and Relationship	Developing your identity and role in a group can help you improve your craft.	A Knowing and understanding	Collaboration	An introduction to instrumental techniques, theory concepts and ensemble awareness skills using the dizi 笛子 (Chinese flute), flute, clarinet and trumpet as part of the Grade 6 Band Program.	
		Role			B Developing skills	Self management		
					C Thinking creatively			
Wolf Boy	Communication	Composition	Personal and Cultural Expression	Words do not always communicate the whole story.	A Knowing and understanding	Communication	An exploration of Prokofiev's 'Peter and the Wolf' and a re-composition of a section of the music.	
		Structure			B Developing skills	Thinking (creative)		
					C Thinking creatively			
					D Responding			

Subject: Gr. 7

Unit title	Key concept	Related concept(s)	Global context	Statement of inquiry	Objectives	ATL skills	Content	Standards
Listening Log	Communication	Communication	Personal and Cultural Expression	Music is all the same...? It communicates composition and structure in the same way.	A Knowing and understanding	Communication	The elements (concepts) of music explored through listening analysis.	
		Structure			Self management			
					D Responding			
Singing	Identity	Style	Personal and Cultural Expression	Expression within an established style can develop your identity.	A Knowing and understanding	Social	A singing unit based on choral technique both as a full class choir and small group vocal ensembles, exploring vocal techniques, singing in harmony, basic choral conducting techniques, theory and composition.	
		Composition			B Developing skills	Affective		
					C Thinking creatively	Thinking (creative)		
You Animal!	Aesthetics	Expression	Identities and Relationship	Not only words describe, interpret and express.	A Knowing and understanding	Research	An exploration and investigation of 'Carnival of the Animals' (Saint-Saens).	
		Interpretation			Thinking (creative)			
					C Thinking creatively			
					D Responding			

Subject: Gr. 8

Unit title	Key concept	Related concept(s)	Global context	Statement of inquiry	Objectives	ATL skills	Content	Standards
Listening Log	Communication	Communication	Personal and Cultural Expression	Music is all the same...? It communicates composition and structure in the same way.	A Knowing and understanding	Communication	The elements (concepts) of music explored through listening analysis.	
		Structure			Self management			
					D Responding			
Hey Baby, I got the Blues!	Identity	Expression	Identities and Relationship	The words and music we use can create a genre and identity.	A Knowing and understanding	Communication	An investigation in the Blues genre and the performance of an improvised Blues solo in a group setting.	
		Genre			Self-management			
					Research			
Copy That	Communication	Innovation	Personal and Cultural Expression	Communication of a written music to a performer or performers can make use of technological innovation.	A Knowing and understanding	Communication	An introduction to Sibelius music publishing software.	
		Structure			Research			
					Thinking			
Hit It!	Communication	Composition	Personal and Cultural Expression	Composing within a structure enables communication of ideas both within and beyond a group.	A Knowing and understanding	Communication	The exploration, composition and performance of percussion music.	
		Structure			Social			
					Self-management			

Subject: Gr. 9

Unit title	Key concept	Related concept(s)	Global context	Statement of inquiry	Objectives	ATL skills	Content	Standards
Listening Log	Communication	Communication	Personal and Cultural Expression	Music is all the same...? It communicates composition and structure in the same way.	A Knowing and understanding	Communication	The elements (concepts) of music explored through listening analysis.	
		Structure			Self management			
					D Responding			
Concert Time	Communication	Audience	Personal and Cultural Expression	Communicating to an audience is an opportunity to present my true self.	A Knowing and understanding	Communication	The art of performance and preparation.	
		Presentation			Self management			
					C Thinking creatively			
Hit Maker	Communication	Composition	Personal and Cultural Expression	Communicating through a structure can focus the expression of my ideas.	A Knowing and understanding	Communication	A study of popular song construction and the composition of an original melody over an 8-bar chord progression derived from chords I IV V vi.	
		Expression			Self management			
		Structure			Thinking			
Spring	Aesthetics	Genre	Personal and Cultural Expression	A narrative can guide appreciation of a genre's aesthetic.	A Knowing and understanding	Communication	An exploration of Vivaldi's 'Spring' from 'The Four Seasons'.	
		Narrative			Self management			
					Thinking			

Subject: Gr. 10

Unit title	Key concept	Related concept(s)	Global context	Statement of inquiry	Objectives	ATL skills	Content	Standards
Symphony	Aesthetics	Composition	Personal and Cultural Expression	The aesthetics of a certain structure or form can define the composition.	A Knowing and understanding	Communication	An exploration of sonata form through the first movement of Mozart's Symphony No. 40 and application of sonata form structure to an original composition.	
		Structure			Self management			
					Thinking			
Concert Time - Solo	Communication	Audience	Personal and Cultural Expression	Communicating to an audience is an opportunity to present my true self.	A Knowing and understanding	Communication	The art of performance and preparation.	
		Presentation			Self management			
					C Thinking creatively			
Raga Revealed	Identity	Genre	Personal and Cultural Expression	Identity can be expressed through a genre.	A Knowing and understanding	Communication	The exploration of North Indian classical music through research, performance and composition.	
		Expression			Self management			
					C Thinking creatively			
Concert Time - Group	Communication	Audience	Personal and Cultural Expression	Communicating to an audience is an opportunity for a group to present a collective idea.	A Knowing and understanding	Communication	The art of performance and preparation in a group (ensemble) setting.	
		Presentation			Self management			
					C Thinking creatively			
Minimalism	Change	Composition	Personal and Cultural Expression	The minute transformation of ideas within a structure can affect great change.	A Knowing and understanding	Communication	A study of Minimalism and the creation of an original minimalist composition.	
		Structure			Self management			
					Thinking			
					D Responding			

**Arts: Visual Art  
Overview**  
School year 2019/2020

Subject: Gr. 6								
Unit title	Key concept	Related concept(s)	Global context	Statement of Inquiry	Objectives	ATL skills	Content	Standards
Monochromatic Landscapes	Communication	Composition Representation	Orientation in time and space	Communication of a 3 dimensional space can be represented in a 2-dimensional composition	A Knowing and Understanding B Developing Skills C Thinking Creatively	Communication Thinking Research	Color and value can communicate texture, size and spatial relations in an artistic composition. Students create a monochromatic landscape showing the distance using color value. (Visual Awareness: Color theory, color wheel and primary/secondary application, Art's focus – Create David Friedrich: Composition to achieve – This and is related to science through the observation of how natural light and pollution can have different color values in their perspective on things, the size of objects depending on the distance from the viewer.)	
Amazing Space	Creativity	Expression	Personal and Cultural Expression	Combining different ways of drawing affects our expression of personal and cultural creativity.	B Developing Skills C Thinking Creatively	Research Thinking Self Management	Understand anatomy and how to create positive and negative space, learn and practice how to create form by using positive and negative space. (Visual Awareness: Color theory, color wheel and primary/secondary application, Art's focus – Create David Friedrich: Composition to achieve – This and is related to science through the observation of how natural light and pollution can have different color values in their perspective on things, the size of objects depending on the distance from the viewer.)	
Mosaic: Memories	Change	Representation	Personal and Cultural Expression	Change in art can be represented by change in people or change in medium or technique.	B Developing Skills D Responding	Self Management Reflection Social	Take an experience that a group of experts have recently shared (such as via for example) and create an image representing that experience using a medium of your choice. (Visual Awareness: Color theory, color wheel and primary/secondary application, Art's focus – Create David Friedrich: Composition to achieve – This and is related to science through the observation of how natural light and pollution can have different color values in their perspective on things, the size of objects depending on the distance from the viewer.)	
Kinetic Art	Form	Presentation	Scientific and Technical Innovation	Form can be presented through art that goes through scientific and technical innovation.	A Knowing and Understanding B Developing Skills C Thinking Creatively D Responding	Research Communication Thinking Social	In groups, students work together to create non-mechanical, hanging or mobile kinetic art pieces. (Visual Awareness: Color theory, color wheel and primary/secondary application, Art's focus – Create David Friedrich: Composition to achieve – This and is related to science through the observation of how natural light and pollution can have different color values in their perspective on things, the size of objects depending on the distance from the viewer.)	

Subject: Gr. 7								
Unit title	Key concept	Related concept(s)	Global context	Statement of Inquiry	Objectives	ATL skills	Content	Standards
Modern Art History	Development	Expression	Orientation in time and space	Modern art (contemporary through choice of form or style that may cause an individual to question and challenge the status quo)	A Knowing and Understanding B Developing Skills C Thinking Creatively	Research Communication Self Management	Students create an oral presentation supported by projected images on a modern art history of their choice. Look at Visual Art History: 20th century modernism and other influences can affect an artist's creative process.	
Watercolor Eyes	Identity	Representation	Personal and Cultural Expression	The representation of one's identity can be identified through an expression of themselves and of their culture.	B Developing Skills D Responding	Communication	Review of watercolor skills, facial features, facial expressions, tones and mouth with a focus on students sharing their own work based on the actual shape and depth that their eyes should communicate.	
Shadow Boxes	Creativity	Composition	Personal and Cultural Expression	A creative combination of art media can be used to create a piece that represents personal or cultural awareness.	B Developing Skills C Thinking Creatively	Thinking Self Management	Introduction to paper cutting art and how to create a shadow box. (Visual Awareness: Color theory, color wheel and primary/secondary application, Art's focus – Create David Friedrich: Composition to achieve – This and is related to science through the observation of how natural light and pollution can have different color values in their perspective on things, the size of objects depending on the distance from the viewer.)	

Subject: Gr. 8								
Unit title	Key concept	Related concept(s)	Global context	Statement of Inquiry	Objectives	ATL skills	Content	Standards
Learning about the Masters	Change	Presentation	Personal and Cultural Expression	Artists' personal experiences help form an art piece.	A Knowing and Understanding B Developing Skills C Thinking Creatively	Research Communication Self Management	Students create an oral presentation supported by projected images on a modern art history of their choice. Look at Visual Art History: 20th century modernism and other influences can affect an artist's creative process.	
Process Portraits	Perspective	Style Boundaries	Personal and Cultural Expression	Reading known boundaries can offer new perspectives on expression.	A Knowing and Understanding B Developing Skills C Thinking Creatively	Communication Research Thinking	Students will begin the unit with a research project about Process Portraits. In life, the work and how all of these elements helped to create the artwork. (Visual Awareness: Color theory, color wheel and primary/secondary application, Art's focus – Create David Friedrich: Composition to achieve – This and is related to science through the observation of how natural light and pollution can have different color values in their perspective on things, the size of objects depending on the distance from the viewer.)	
Teacher Portraits	Identity	Composition Narrative	Personal and Cultural Expression	Identity can be represented through a narrative composition about a specific person.	B Developing Skills C Thinking Creatively	Communication Social	Review of facial feature anatomy, drawing techniques for facial features and how to use in the final composition.	
Formalizing Workshop	Creativity	Formalism Expression	Personal and Cultural Expression	Creative boundaries can be extended through creativity and experimentation.	B Developing Skills D Responding	Communication Self Management Research	Look at different methods of print making – experimentation with each method. (Visual Awareness: Color theory, color wheel and primary/secondary application, Art's focus – Create David Friedrich: Composition to achieve – This and is related to science through the observation of how natural light and pollution can have different color values in their perspective on things, the size of objects depending on the distance from the viewer.)	
Cutting Stories out of Paper	Communication	Narrative Innovation	Personal and Cultural Expression	Visual narrative can communicate information about a person or culture.	A Knowing and Understanding B Developing Skills C Thinking Creatively D Responding	Research Self Management Communication	Review of facial feature anatomy, drawing techniques for facial features and how to use in the final composition.	

Subject: Gr. 9								
Unit title	Key concept	Related concept(s)	Global context	Statement of Inquiry	Objectives	ATL skills	Content	Standards
Series of Drawings	Aesthetics	Expression Style	Globalization and Sustainability	Aesthetics through innovation and expression can communicate an interpretation.	A Knowing and Understanding B Developing Skills C Thinking Creatively D Responding	Communication Skills Critical Thinking Skills	Changes and Processes of Design: Theoretical, conceptual, and practical aspects of design. Introduction to lighting, transferring, and printing. (Visual Awareness: Color theory, color wheel and primary/secondary application, Art's focus – Create David Friedrich: Composition to achieve – This and is related to science through the observation of how natural light and pollution can have different color values in their perspective on things, the size of objects depending on the distance from the viewer.)	VA.CS.1 Apply relevant criteria from historical and contemporary artistic practices to plan, create, and present a work of art or design.
Expressive Portraits	Communication	Expression Visual Culture	Personal and Cultural Expression	Artists communicate their ideas and identify through expressive techniques and visual culture.	A Knowing and Understanding B Developing Skills C Thinking Creatively	Self Management Research	General Art History Timeline with a focus on the 20th century. (Visual Awareness: Color theory, color wheel and primary/secondary application, Art's focus – Create David Friedrich: Composition to achieve – This and is related to science through the observation of how natural light and pollution can have different color values in their perspective on things, the size of objects depending on the distance from the viewer.)	VA.CS.1 Apply relevant criteria from historical and contemporary artistic practices to plan, create, and present a work of art or design.
Basics of Sculpture	Identity	Representation Composition	Personal and Cultural Expression	Artists, craft, presentation, and cultural represent identity and history associated with a person or culture.	B Developing Skills D Responding	Thinking Social	Introduction to sculpture and how to use in the final composition. (Visual Awareness: Color theory, color wheel and primary/secondary application, Art's focus – Create David Friedrich: Composition to achieve – This and is related to science through the observation of how natural light and pollution can have different color values in their perspective on things, the size of objects depending on the distance from the viewer.)	VA.7.1.1a Hypothesize ways in which different cultures and historical contexts can affect an artist's understanding of the world or an artist's response to personal artistic vision. VA.7.1.2a Analyze how one's understanding of the world or an artist's response to personal artistic vision can affect an artist's response to personal artistic vision.

Subject: Gr. 10								
Unit title	Key concept	Related concept(s)	Global context	Statement of Inquiry	Objectives	ATL skills	Content	Standards
Impression and the creative process: author was not a	Change	Expression Representation	Personal and Cultural Expression	Expression and representation can be used to identify a device through creative processes.	A Knowing and Understanding B Developing Skills C Thinking Creatively D Responding	Communication Self-management Creative Thinking Skills	The creative process: brainstorming, sketching, and creating. (Visual Awareness: Color theory, color wheel and primary/secondary application, Art's focus – Create David Friedrich: Composition to achieve – This and is related to science through the observation of how natural light and pollution can have different color values in their perspective on things, the size of objects depending on the distance from the viewer.)	VA.C1.2a Choose from a range of materials and methods of artistic and contemporary artistic practices to plan, create, and present a work of art or design. VA.CS.1 Apply relevant criteria from historical and contemporary artistic practices to plan, create, and present a work of art or design.
Painting with the Help of History	Aesthetics	Style	Orientation in time and space	Aesthetics and style are related to innovation and the way expression has been previously defined.	A Knowing and Understanding B Developing Skills D Responding	Creative thinking Media Literacy	Art history: Post Impressionism and Impressionism. (Visual Awareness: Color theory, color wheel and primary/secondary application, Art's focus – Create David Friedrich: Composition to achieve – This and is related to science through the observation of how natural light and pollution can have different color values in their perspective on things, the size of objects depending on the distance from the viewer.)	VA.PK.1a Make, explain, and justify connections between ideas or artwork and social, cultural, and historical contexts. VA.7.1.1a Hypothesize ways in which different cultures and historical contexts can affect an artist's understanding of the world or an artist's response to personal artistic vision. VA.7.1.2a Analyze how one's understanding of the world or an artist's response to personal artistic vision can affect an artist's response to personal artistic vision.
CSI: Art for a purpose	Creativity	Innovation	Personal and Cultural Expression	The ARTS can influence an individual's experience of an art landscape.	A Knowing and Understanding B Developing Skills C Thinking Creatively D Responding	Communication skills B Synthesizing C Communicating D Believing	Observation through sketching from the using perspective. (Visual Awareness: Color theory, color wheel and primary/secondary application, Art's focus – Create David Friedrich: Composition to achieve – This and is related to science through the observation of how natural light and pollution can have different color values in their perspective on things, the size of objects depending on the distance from the viewer.)	VA.C1.2a Choose from a range of materials and methods of artistic and contemporary artistic practices to plan, create, and present a work of art or design.
3 Dimensional Art: Vessels	Change	Interpretation Representation	Globalization and Sustainability	Interpretation and creative value changes with the society.	A Knowing and Understanding B Developing Skills C Thinking Creatively	Critical Thinking Skills	Skills: cut, etch, and print methods. (Visual Awareness: Color theory, color wheel and primary/secondary application, Art's focus – Create David Friedrich: Composition to achieve – This and is related to science through the observation of how natural light and pollution can have different color values in their perspective on things, the size of objects depending on the distance from the viewer.)	VA.CS.1a Analyze relevant criteria from historical and contemporary artistic practices to plan, create, and present a work of art or design.
Deconstruction and Reconstruction of the Natural World	Identity	Composition Visual Culture	Scientific and Technical Innovation	Groups and pieces of art are related to science, technology, and social representation.	B Developing Skills C Thinking Creatively D Responding	Communication Skills Thinking Skills	Students will learn the history and processes of laser printing and digital printing. (Visual Awareness: Color theory, color wheel and primary/secondary application, Art's focus – Create David Friedrich: Composition to achieve – This and is related to science through the observation of how natural light and pollution can have different color values in their perspective on things, the size of objects depending on the distance from the viewer.)	VA.C1.2a Choose from a range of materials and methods of artistic and contemporary artistic practices to plan, create, and present a work of art or design.
Art for Sale	Communication	Audience Style	Personal and Cultural Expression	Identity shapes our perception of art and the way we communicate effectively with different audiences.	B Developing Skills C Knowledge and Understanding	Social Skills	We explore art history focused on the way artists use and understand their work in relation to their audience. (Visual Awareness: Color theory, color wheel and primary/secondary application, Art's focus – Create David Friedrich: Composition to achieve – This and is related to science through the observation of how natural light and pollution can have different color values in their perspective on things, the size of objects depending on the distance from the viewer.)	VA.C1.1a Individually or collaboratively create and present a work of art or design in response to personal artistic vision. VA.CS.1 Apply relevant criteria from historical and contemporary artistic practices to plan, create, and present a work of art or design.



# Chinese: Language Acquisition Overview

School year 2017/2018

Subject: Gr. 6								
Unit title	Key concept	Related concept(s)	Global context	Statement of Inquiry	Objectives	ATL skills	Content	Standards
Seasons, festivals and past (Phase 2)	Connections	Meaning	Orientation in time and space	There are many connections among seasons, festivals and past.	A. Comprehending spoken and visual text	Thinking	《传统节日》、《传统节日》	《义务教育语文课程标准》
					B. Communicating in response to spoken and/or written text	Research		
					C. Using Language in spoken and/or written text	Communication		
Shopping and Trends	Communication	Purpose	Habits and Relationship	The relationship and connection between habits and relationship.	A. Comprehending spoken and visual text	Thinking	《购物》、《购物》	《义务教育语文课程标准》
					B. Communicating in response to spoken and/or written text	Research		
					C. Using Language in spoken and/or written text	Communication		
My school and hobby	Identify	Meaning	Habits and Relationship	The school and hobby in daily life are influenced by habits and relationship.	A. Comprehending spoken and visual text	Thinking	《我的学校》、《我的学校》	《义务教育语文课程标准》
					B. Communicating in response to spoken and/or written text	Research		
					C. Using Language in spoken and/or written text	Communication		
Family and relatives	Connections	Context	Habits and Relationship	Connections between people in different context function as a key of social identity and relationship.	A. Comprehending spoken and visual text	Thinking	《家庭》、《家庭》	《义务教育语文课程标准》
					B. Communicating in response to spoken and/or written text	Research		
					C. Using Language in spoken and/or written text	Communication		
Festivals	Culture	Meaning	Orientation in time and space	The culture of different festivals has some relationship based on the time and space.	A. Comprehending spoken and visual text	Thinking	《节日》、《节日》	《义务教育语文课程标准》
					B. Communicating in response to spoken and/or written text	Research		
					C. Using Language in spoken and/or written text	Communication		
School and life	Communication	Purpose	Habits and Relationship	It is important for us to know how to live in the context of school for different purposes.	A. Comprehending spoken and visual text	Thinking	《学校生活》、《学校生活》	《义务教育语文课程标准》
					B. Communicating in response to spoken and/or written text	Research		
					C. Using Language in spoken and/or written text	Communication		

Subject: Gr. 7								
Unit title	Key concept	Related concept(s)	Global context	Statement of Inquiry	Objectives	ATL skills	Content	Standards
Travel and leisure/Phase 3	Communication	Purpose	Habits and Relationship	Travel and leisure are very important in travel and leisure. People have different purposes and points of view of travel.	A. Comprehending spoken and visual text	Thinking	《旅行》、《旅行》	《义务教育语文课程标准》
					B. Communicating in response to spoken and/or written text	Research		
					C. Using Language in spoken and/or written text	Communication		
Family and Drama	Identify	Context	Habits and Relationship	Family and drama have many functions because of the context and relationship.	A. Comprehending spoken and visual text	Thinking	《家庭》、《家庭》	《义务教育语文课程标准》
					B. Communicating in response to spoken and/or written text	Research		
					C. Using Language in spoken and/or written text	Communication		
Festival, food and health	Culture	Meaning	Personal and Cultural Expression	The culture of festival, food and health has different meanings.	A. Comprehending spoken and visual text	Thinking	《节日》、《节日》	《义务教育语文课程标准》
					B. Communicating in response to spoken and/or written text	Research		
					C. Using Language in spoken and/or written text	Communication		
Travel and Study Tour	Connections	Message	Orientation in time and space	Travel and study tour in different context function as a key of social identity and relationship.	A. Comprehending spoken and visual text	Thinking	《旅行》、《旅行》	《义务教育语文课程标准》
					B. Communicating in response to spoken and/or written text	Research		
					C. Using Language in spoken and/or written text	Communication		
Technology and Leisure	Perspective	Function	Scientific and Technical Innovation	Technology and leisure have many functions because of the context and relationship.	A. Comprehending spoken and visual text	Thinking	《科技》、《科技》	《义务教育语文课程标准》
					B. Communicating in response to spoken and/or written text	Research		
					C. Using Language in spoken and/or written text	Communication		

Subject: Gr. 8								
Unit title	Key concept	Related concept(s)	Global context	Statement of Inquiry	Objectives	ATL skills	Content	Standards
Education(Phase 4)	Logic	Structure	Personal and Cultural Expression	The education systems have different functions in different countries, there are some logic connections in the personal expression of education in structure and point of view.	A. Comprehending spoken and visual text	Thinking	《教育》、《教育》	《义务教育语文课程标准》
					B. Communicating in response to spoken and/or written text	Research		
					C. Using Language in spoken and/or written text	Communication		
Teenagers	Identify	Context	Habits and Relationship	Teenagers as an identity have their own meaning and points of view.	A. Comprehending spoken and visual text	Thinking	《青少年》、《青少年》	《义务教育语文课程标准》
					B. Communicating in response to spoken and/or written text	Research		
					C. Using Language in spoken and/or written text	Communication		
Movie and Internet	Connections	Culture	Personal and Cultural Expression	Movie and internet influence people in different context and in the movie and internet, they have their own meaning and points of view.	A. Comprehending spoken and visual text	Thinking	《电影》、《电影》	《义务教育语文课程标准》
					B. Communicating in response to spoken and/or written text	Research		
					C. Using Language in spoken and/or written text	Communication		
Social Identity	Connections	Purpose	Habits and Relationship	People choose different social identity which connect to their purpose and point of view of life.	A. Comprehending spoken and visual text	Thinking	《社会》、《社会》	《义务教育语文课程标准》
					B. Communicating in response to spoken and/or written text	Research		
					C. Using Language in spoken and/or written text	Communication		
Festival and courtesy	Culture	Context	Habits and Relationship	The culture in festival and courtesy differ in the context have their own meaning and point of view.	A. Comprehending spoken and visual text	Thinking	《节日》、《节日》	《义务教育语文课程标准》
					B. Communicating in response to spoken and/or written text	Research		
					C. Using Language in spoken and/or written text	Communication		

Subject: Gr. 9								
Unit title	Key concept	Related concept(s)	Global context	Statement of Inquiry	Objectives	ATL skills	Content	Standards
Animal Protection(Phase 5)	Connections	Theme	Orientation in time and space	Diseases in different context function as a key of social identity and relationship.	A. Comprehending spoken and visual text	Thinking	《动物》、《动物》	《义务教育语文课程标准》
					B. Communicating in response to spoken and/or written text	Research		
					C. Using Language in spoken and/or written text	Communication		
Pets	Culture	Context	Habits and Relationship	It is important for us to know how to live in the context of pets and have their own meaning and points of view.	A. Comprehending spoken and visual text	Thinking	《宠物》、《宠物》	《义务教育语文课程标准》
					B. Communicating in response to spoken and/or written text	Research		
					C. Using Language in spoken and/or written text	Communication		
Fashion	Perspective	Context	Personal and Cultural Expression	Fashion has various context function as a key of social identity and relationship.	A. Comprehending spoken and visual text	Thinking	《时尚》、《时尚》	《义务教育语文课程标准》
					B. Communicating in response to spoken and/or written text	Research		
					C. Using Language in spoken and/or written text	Communication		
Lifestyle	Culture	Stylistic choice	Personal and Cultural Expression	The choice of lifestyle is influenced by stylistic choice and culture.	A. Comprehending spoken and visual text	Thinking	《生活》、《生活》	《义务教育语文课程标准》
					B. Communicating in response to spoken and/or written text	Research		
					C. Using Language in spoken and/or written text	Communication		
Personality and destiny	Identify	Context	Orientation in time and space	The personality and destiny differ in the context have their own meaning and points of view.	A. Comprehending spoken and visual text	Thinking	《个性》、《个性》	《义务教育语文课程标准》
					B. Communicating in response to spoken and/or written text	Research		
					C. Using Language in spoken and/or written text	Communication		
Fairs	Culture	Basis	Personal and Cultural Expression	There are some basis and argument about fairs which have their own meaning.	A. Comprehending spoken and visual text	Thinking	《集市》、《集市》	《义务教育语文课程标准》
					B. Communicating in response to spoken and/or written text	Research		
					C. Using Language in spoken and/or written text	Communication		

Subject: Gr. 10								
Unit title	Key concept	Related concept(s)	Global context	Statement of Inquiry	Objectives	ATL skills	Content	Standards
Education(Phase 4)	Logic	Structure	Personal and Cultural Expression	The education systems have different functions in different countries, there are some logic connections in the personal expression of education in structure and point of view.	A. Comprehending spoken and visual text	Thinking	《教育》、《教育》	《义务教育语文课程标准》
					B. Communicating in response to spoken and/or written text	Research		
					C. Using Language in spoken and/or written text	Communication		
Teenagers	Identify	Context	Habits and Relationship	Teenagers as an identity have their own meaning and points of view.	A. Comprehending spoken and visual text	Thinking	《青少年》、《青少年》	《义务教育语文课程标准》
					B. Communicating in response to spoken and/or written text	Research		
					C. Using Language in spoken and/or written text	Communication		
Movie and Internet	Connections	Culture	Personal and Cultural Expression	Movie and internet influence people in different context and in the movie and internet, they have their own meaning and points of view.	A. Comprehending spoken and visual text	Thinking	《电影》、《电影》	《义务教育语文课程标准》
					B. Communicating in response to spoken and/or written text	Research		
					C. Using Language in spoken and/or written text	Communication		
Social Identity	Connections	Purpose	Habits and Relationship	People choose different social identity which connect to their purpose and point of view of life.	A. Comprehending spoken and visual text	Thinking	《社会》、《社会》	《义务教育语文课程标准》
					B. Communicating in response to spoken and/or written text	Research		
					C. Using Language in spoken and/or written text	Communication		
Festival and courtesy	Culture	Context	Habits and Relationship	The culture in festival and courtesy differ in the context have their own meaning and point of view.	A. Comprehending spoken and visual text	Thinking	《节日》、《节日》	《义务教育语文课程标准》
					B. Communicating in response to spoken and/or written text	Research		
					C. Using Language in spoken and/or written text	Communication		

**English: Language and Literature Overview**  
School year 2019/2020

Subject							Gr. 8	
Unit title	Key concept	Related concepts	Global context	Statement of inquiry	Objectives	ATL skills	Content	Standards
English Foundations	Systems	Purpose	Personal and Cultural Expression	How do we use language to organize and express ideas?	B. Organizing C. Producing Text D. Using Language	Communication Communication Skills C. Producing Text (Identify and apply key elements of writing process)	1 + 1 Tasks of writing, writing process and strategies for producing effective content Use appropriate forms of writing for different purposes and audiences Use a variety of registers for audience, using tone, register and subject information logically	Students explore writing processes learnt through 1+1 Tasks to produce a personal narrative. They will use the 1+1 Task as a guide in their writing.
Characters in Short Stories	Relationships	Character Setting	Identity and Relationships	The elements of a short story are the characters, the setting and the plot.	A. Analyzing C. Producing Text D. Using Language	Communication Creative Thinking Critical Thinking	Students will describe how characters are impacted by the setting of their stories. They will analyze the specific details that go into each character's story and how they react. Students will compare characters to characters in other stories they read. Students will compare characters to characters in their own writing to create a more meaningful message in the world. Students will use the writing process and strategies to improve their writing.	Students will create an Analysis Document on the elements of short stories. They will analyze the specific details that go into each character's story and how they react. Students will compare characters to characters in other stories they read. Students will compare characters to characters in their own writing to create a more meaningful message in the world. Students will use the writing process and strategies to improve their writing.
Visuals: Lines, Volume	Communication	Setting Context	Orientation in Time and Space	When I travel, I use the road and signs in the context of communication.	B. Organizing C. Producing Text D. Using Language	Reflection Research	Students learn to use lines, volume, shape, color, texture, and shading to create a visual message. They will use the writing process and strategies to improve their writing.	Students create a video and write documents detailing a location they have visited. They will use the writing process and strategies to improve their writing.
A Bridge to Friendship and Self-Discovery	Change	Character Theme	Identity and Relationships	People influence us and ourselves in the world.	A. Analyzing B. Organizing	Critical Thinking	Students read novels, poems and essays that explore change and how it affects people.	Students analyze of "A Bridge to Friendship" by Chang-Rae Lee. They will use the writing process and strategies to improve their writing.
Speak Up and Express Yourself!	Form	Purpose Setting Audience	Personal and Cultural Expression	Understanding different forms of writing and how they are used to communicate ideas.	B. Organizing C. Producing Text	Critical Thinking	Students will explore different forms of writing and how they are used to communicate ideas. They will use the writing process and strategies to improve their writing.	Students will create speeches in their own words and perform them in front of their class. They will use the writing process and strategies to improve their writing.

Subject							Gr. 7	
Unit title	Key concept	Related concepts	Global context	Statement of inquiry	Objectives	ATL skills	Content	Standards
English Foundations	Systems	Purpose Setting Structure	Personal and Cultural Expression	Effective communication use language to organize and express ideas.	B. Organizing C. Producing Text D. Using Language	Communication	1 + 1 Tasks of writing, writing process and strategies for producing text.	
Suspenseful Stories	Creativity	Genre Structure	Personal and Cultural Expression	All genres in storytelling, suspense stories are designed to entertain the audience.	A. Analyzing C. Producing Text D. Using Language	Communication Creative Thinking		
A Hero Becomes	Development	Character Theme Structure	Orientation in Time and Space	How do we use language to describe a person's journey?	A. Analyzing C. Producing Text D. Using Language	Communication Creative Thinking	Read and write stories about heroes. Use the writing process and strategies to improve their writing. Use the writing process and strategies to improve their writing. Use the writing process and strategies to improve their writing.	
International Flavors	Connections	Context Setting	Orientation in Time and Space	Stories from around the world are connected because they have a common theme.	A. Analyzing B. Organizing	Communication Creative Thinking		
Short Out	Communication	Purpose Setting Audience	Identity and Relationships	Understanding audience, message and how they are used to communicate ideas.	C. Producing Text D. Using Language	Communication Creative Thinking		
Creating Suspense	Style Setting Audience	Style Setting Audience	Style Setting Audience	Style Setting Audience	C. Producing Text B. Organizing A. Analyzing			

Subject							Gr. 8	
Unit title	Key concept	Related concepts	Global context	Statement of inquiry	Objectives	ATL skills	Content	Standards
English Foundations	Systems	Purpose Setting Structure	Personal and Cultural Expression	How do we use language to organize and express ideas?	B. Organizing C. Producing Text D. Using Language	Communication Communication Skills C. Producing Text (Identify and apply key elements of writing process)	1 + 1 Tasks of writing, writing process and strategies for producing text.	
Advertising in Persuade	Communication	Context Purpose Message Audience	Personal and Cultural Expression	Advertisements use language to persuade and inform.	A. Analyzing C. Producing Text	Creative Thinking Communication Skills	Students read and write a persuasive advertisement. They will use the writing process and strategies to improve their writing.	
The Circle of Literature	Perspective	Character Context Interactivity Theme	Orientation in Time and Space	Individuals, ideas and events are interconnected by the circle of literature.	A. Analyzing	Critical Thinking	Students read novels or short stories.	
Keeping it Real	Perspective	Context Interactivity Point of View Theme	Identity and Relationships	When we write, we use language to share our experiences.	A. Analyzing	Critical Thinking Creative Thinking	Students explore truth and reality in a personal narrative. They will use the writing process and strategies to improve their writing.	
Warning Others	Communication	Audience Purpose Setting Structure	Personal and Cultural Expression	Speakers communicate information to others in various ways.	B. Organizing C. Producing Text D. Using Language	Information Literacy	Building on the previous unit, students will explore how they can use their writing to warn others about a danger in their community.	

Subject							Gr. 9	
Unit title	Key concept	Related concepts	Global context	Statement of inquiry	Objectives	ATL skills	Content	Standards
English Foundations	Systems	Purpose Setting Structure	Personal and Cultural Expression	How do we use language to organize and express ideas?	B. Organizing C. Producing Text D. Using Language	Communication Communication Skills C. Producing Text (Identify and apply key elements of writing process)	1 + 1 Tasks of writing, writing process and strategies for producing text.	
What is funny?	Connections	Genre Style Theme	Identity and Relationships	Humor is used to entertain and connect people.	A. Analyzing C. Producing Text	Communication Skills	Students explore different types of humor (including light and dark). They will use the writing process and strategies to improve their writing.	
The science in the story	Development	Setting Genre Style	Scientific and Technical Innovation	Authors combine science and imagination to create stories.	B. Organizing C. Producing Text D. Using Language	Information Literacy Skills Critical Thinking Skills	Students read a variety of short stories and analyze the science in them. They will use the writing process and strategies to improve their writing.	
Power and Justice	Systems	Character Theme Structure	Personal and Cultural Expression	Stories explore power and justice in the world.	A. Analyzing B. Organizing C. Producing Text D. Using Language	Communication Skills Communication Skills	Students will read "Manger's Corner" and discuss the power systems in the story. They will use the writing process and strategies to improve their writing.	
Speak your best self	Communication	Purpose Setting Structure	Personal and Cultural Expression	Speakers communicate information to others in various ways.	A. Analyzing C. Producing Text D. Using Language	Communication Skills Communication Skills	Students will explore the idea of "speaking your best self" and how they can use their writing to communicate their ideas.	

Subject							Gr. 10	
Unit title	Key concept	Related concepts	Global context	Statement of inquiry	Objectives	ATL skills	Content	Standards
English Foundations	Systems	Purpose Setting Structure	Personal and Cultural Expression	How do we use language to organize and express ideas?	B. Organizing C. Producing Text D. Using Language	Communication Skills	1 + 1 Tasks of writing, writing process and strategies for producing text.	
What does it take to survive?	Systems	Character Theme Structure	Identity and Relationships	Our perspectives are shaped by the world around us.	A. Analyzing B. Organizing C. Producing Text	Communication Skills Creative Thinking Skills	Students will read "The Boy Who Swam with Piranhas" and write an essay.	
Part of conflict	Perspective	Theme Setting Structure	Personal and Cultural Expression	The perspectives of the characters in a story are shaped by the world around them.	A. Analyzing B. Organizing C. Producing Text D. Using Language	Communication Skills Communication Skills	Students will read "Part of Conflict" and analyze the perspectives of the characters. They will use the writing process and strategies to improve their writing.	
Spilled away	Change	Character Theme Structure	Identity and Relationships	Characters in a story are shaped by the world around them.	A. Analyzing B. Organizing C. Producing Text D. Using Language	Critical Thinking Skills Communication Skills	Students will read "Spilled Away" and write an essay based on the story.	
Take the risk	Communication	Purpose Setting Structure	Personal and Cultural Expression	Speakers communicate information to others in various ways.	C. Producing Text D. Using Language	Communication Skills Communication Skills	Students will study speeches based on risk-taking. They will use the writing process and strategies to improve their writing.	







# Individuals and Societies Overview

School year 2018/2019

Subject:					Gr. 6			
Unit title	Key concept	Related concept(s)	Global context	Statement of inquiry	Objectives	ATL skills	Content	Standards
Introduction to I&S Skills	Systems, Change, Global Interaction, Time & Place & Space.	Perspective	Identities and relationships	Concepts are important frameworks for knowledge	A - Knowing and Understanding	Self-Management	Students will explore key concepts and the purpose of studying Individuals and Societies as a subject. They will use the key concepts to the MYP as a whole and learn how to make use of graphic organizers.	
		Processes			C - Communicating	Research		
Greek Gods	Systems	Culture	Personal and Cultural Expression	Religion and the belief in Gods has created an effective system for cultures to grow and develop beyond their natural ability.	A - Knowing and Understanding	Self-Management	Students will explore Greek Gods and how they have impacted and guided a society. Links will be made to popular culture which explore how Greek Mythology has been reinvigorated in the modern world.	
		Perspective			B - Investigating	Communication		
					C - Communicating	Research		
					D - Thinking Critically			
Natural Disasters (Under Development as an IDU with Science)	Global Interaction	Sustainability	Scientific and technical innovation	Global Interaction strengthens societies against impending natural disasters.	A - Knowing and Understanding	Communication	Students will examine major natural disasters spanning back in time to assess the effect they have had on societies. Emphasis will be placed on the response to natural disasters in the modern world and what is being done to minimize damage.	
		Causality			B - Investigating	Social		
					C - Communicating	Self-Management		
					D - Thinking Critically			
Ancient China	Time, Place and Space	Resources	Fairness and Development	Ancient China had the resources, culture and power to solidify their position in Time, Place and Space.	A - Knowing and Understanding	Communication	Students will analyse factors that made Ancient China such a powerful country. They will formulate opinions about how power was maintained and why it was important to our historical view of Ancient China.	
		Culture			B - Investigating	Self-Management		
					C - Communicating	Thinking		
					D - Thinking Critically			
Olympics	Change	Globalization	Globalization and Sustainability	The olympics has changed over the years to become a display of prestige and importance instead of unity and fairness.	A - Knowing and Understanding	Communication	Students will explore the origins of the olympics and their original purpose. They will also compare them to modern day olympics. The most recent olympics will be highlighted in order to explore the ways in which hosting the olympics has become more difficult for countries and their disadvantaged citizens.	
		Equity			B - Investigating	Self-Management		
					C - Communicating	Research		
					D - Thinking Critically			

Subject:					Gr. 7			
Unit title	Key concept	Related concept(s)	Global context	Statement of inquiry	Objectives	ATL skills	Content	Standards
Ancient Civilizations	Time, Place and Space	Causality	Orientation in time and space	Various factors led to the rise and fall of ancient civilizations.	A - Knowing and Understanding	Communication	Students will be introduced to the theory of Geographic Luck in order to start identifying various factors that led to the rise and fall of several ancient civilizations.	
		Resources			B - Investigating	Social		
					C - Communicating	Self-Management		
Sustainability	Systems	Causality	Globalization and Sustainability	Global Goals create a vision for effective systems to be put in place to respond to mankind's sustainable development.	A - Knowing and Understanding	Social	Students will examine the United Nations 17 Global Goals of Sustainability. Exploration into this goal will narrow down to their specific interest in one of the goals and the impact or change that goal will have on our world.	
		Sustainability			B - Investigating	Communication		
					C - Communicating	Thinking		
					D - Thinking Critically			
World Religions	Global Interaction	Choices	Personal and cultural expression	Religions create both communities and divisions within the scope of the world	A - Knowing and Understanding	Social	Students will explore the five major world religions, how religion affects individuals and the concept of higher powers.	
		Culture			B - Investigating	Research		
		Belief			C - Communicating	Thinking		
					D - Thinking Critically	Communication		
Borders	Change	Causality	Orientation in time and space	Borders are defined and changes through interactions between human communities and the natural world.	A - Knowing and Understanding	Thinking	Students will explore borders as a human creation, as well as the social, economic, historic, political and environmental impacts these have on communities and the individuals within them.	
		Globalization			B - Investigating	Communication		
		Power			C - Communicating	Research		
		Perspective			D - Thinking Critically			

Subject:					Gr. 8			
Unit title	Key concept	Related concept(s)	Global context	Statement of inquiry	Objectives	ATL skills	Content	Standards
Health & Medicine	Systems	Governance	Fairness and development	The health of communities requires effective governance and the development of welfare systems	A - Knowing and Understanding	Social-collaboration Skills	Students will gain an overview of developments within the field of health and medicine and the impacts these have on the greater society.	
		Innovation			B - Investigating	Research		
		Equity			C - Communicating			
					D - Thinking Critically			
Age of Exploration	Global Interactions	Civilization	Globalization and sustainability	Global interactions of exploration, expansion and colonization had varying consequences for different civilizations	A - Knowing and Understanding	Thinking	Students explore the inventions and motivations behind the Age of Exploration. They will further inquire into a first encounter from both European and Indigenous perspectives. They will think critically about the lasting impacts of exploration, expansion and colonization on different civilizations.	
		Globalization			B - Investigating	Communication		
		Power			D - Thinking Critically	Research		
		Causality						
Significant Individuals	Change	Significance	Orientation in space and time	Individuals can play a key role in the change and development of their nation states and in the nature of ideas.	A - Knowing and Understanding	Thinking	A range of significant individuals are brought into this unit. Students will explore this through case studies of Marie Curie, Karl Marx, and Nelson Mandela.	
					B - Investigating	Research		
					C - Communicating	Self-Management		
					D - Thinking Critically			
Conflict	Time, place and space	Perspective	Fairness and Development	Collective identity is constructed and can change over time.	A, C, D	Communication	Through a case study of WWI, students learn about civic responsibility, the causes of conflict and the roles of empathy, morality and identity play in conflicts.	
		Power			Thinking			
		Competition			Social			
		Identity			Research			

Subject:					Gr. 9			
Unit title	Key concept	Related concept(s)	Global context	Statement of inquiry	Objectives	ATL skills	Content	Standards
Introduction to I&S Skills	Time, place, space	Perspective	Orientation in Time and Space	Concepts are important frameworks for knowledge.	A, C	Self-Management	Students will learn about conceptual learning and related concepts and contexts. They will study each of the I&S Key Concepts for in-depth understanding.	
		Process			Thinking			
Industrial Revolutions	Change	Innovation	Scientific and technical innovation	Innovations in science and technology can lead to revolutionary changes in the ways we live and work.	A, B, C, D	Transfer	Students will examine the causes, processes and consequences of industrialization and its impacts, through case studies of Britain and Japan.	
		Revolution			Creative thinking			
					Communication			
					Collaboration			
Arts and Culture	Time, Place, Space	Civilization	Personal and Cultural Expression	Social, cultural and artistic movements reflect the time, place and space of their civilization.	B, C, D	Communication	Students will explore this through learning about Romanticism and Realism in the 19th century. Also, the impact of WWI on arts and culture, social realism art in the Soviet Union, the Beat Generation and the Counter Culture in the USA.	
					Creative thinking			
					Information literacy			
					Critical thinking			
Trade, Aid and Exchange	Global Interaction	Cooperation	Globalization and Sustainability	Cooperation in trade can foster positive global relations; however, global trade based on exploitation is not sustainable and can cause conflict.	A, B, C, D	Transfer	Students will examine these concepts through the developed of trade through the silk and spice routes, conflict and trade through the opium wars and exploitation and trade through the slave trade.	
					Creative thinking			
					Communication			
					Information literacy			
Choice	Systems	Perspective	Identities and relationships	The choices that we make should affect change based on practices that promote sustainable development.	A, C, D	Communication	Students will examine how the choices we make can affect change on a local, regional and global scale. They will design a plan to implement sustainable development within an area of their choice. The areas of environmental ethics and international aid will be highlighted.	
		Beliefs			Thinking			
		Justice			Social			
		Ideologies, relationships, conflict			Research			

Subject:					Gr. 10			
Unit title	Key concept	Related concept(s)	Global context	Statement of inquiry	Objectives	ATL skills	Content	Standards
Civil Rights and Social Protest	Change	Individuals and societies	Fairness and Development	Value systems and belief systems shape the structures of power and authority within a culture.	A, B, C, D	Research	Students study about the slave trade, and the Civil Rights movement in America as well as apartheid.	
		Power			Thinking			
		Culture			Social			
					Communication			
Empires and International Organizations	Global Interaction	Cooperation	Orientation in time and space	Unequal inter-state relationships, empires, are created for economic and ideological reasons. Nations develop systems of interdependence to protect their interests.	A, C, D	Research	Students learn about the key factors that led to the expansion of empire building, supra-national alliances and organizations, as well as events that led to the development of superpowers.	
					Communication			
					Thinking			
					Self-Management			
Introduction to Psychology- Lucifer Effect	Systems	Identity	Identities and Relationship	Individuals can influence systems of behavior to reduce or prevent perpetrators of evil.	A, C, B, D	Self-Management	Students will be introduced to psychological theories and methodology. They will consider situational factors that determine behavior as well as Philip Zimbardo's theory of evil.	
		Choice			Reflective skills			
		Perspective						
World War Two	Time, place and space	Causality	Globalization and Sustainability	In a world of finite resources, conflict is inevitable.	A, C, D	Communication	Students will study about the causes of world war two, looking at the case studies of Germany, Italy and Japan with the rise of imperialism, Fascism and Nazism.	
		Identity			Research			
		Culture			Thinking			
					Social			





# Sciences Overview

School year 2017/2018

Subject: Gr. 6								
Unit title	Key concept	Related concept(s)	Global context	Statement of inquiry	Objectives	ATL skills	Content	Standards
A Matter of Fact	Change	Form Function Transformation	Scientific and Technical Innovation	Changes to materials can be reversible or irreversible, knowledge of which allows us to use matter in a variety of applications.	A- Knowing and Understanding B- Inquiring and Designing C- Processing and Evaluating D- Reflecting on the Impacts of Science	Research Thinking Self-management Communication	1. States of matter, physical properties (melting point, boiling point, density, malleability, conductivity), chemical properties (reactivity, flammability); physical changes, chemical changes	ACSSU095
Energy On the Move - A Unit about Physics	Change	Consequences Energy, function	Globalization and Sustainability	Energy appears in different forms, including movement (kinetic energy, heat and potential energy and energy transformations and transfers cause change within system	B- Inquiring and Designing C- Processing and Evaluating	Thinking	Characteristics and nature of energy, potential energy, kinetic energy; energy transformation; energy conversions; mechanical, thermal, light, sound, chemical, nuclear energies; Simple machines (pulley, lever, inclined planes, wheel and axle, screw, wedge); Work, Power and Mechanical advantage in machines; applications of machines in society and industry	ACSSU155
Unit on biology				The growth and survival of living things are affected by physical conditions of their environment			Organizational structure of the biosphere, abiotic and biotic factors, types of ecosystems; biomes and climate regions; animal and plant adaptations; migration and hibernation in animals; global issues: pollution, acid rain, industrialization, desertification	ACSSU094
Natural Disasters	Global Interaction	Individuals and societies	Scientific and Technical Innovation	Sudden geological changes and extreme weather events can affect Earth's surface			Plates and continents; Earthquakes (faults and plate movements); volcanoes; physics of waves in geologic activities; tsunamis; extreme weather: La Niña, El Niño	ACSSU086

Subject: Gr. 7								
Unit title	Key concept	Related concept(s)	Global context	Statement of inquiry	Objectives	ATL skills	Content	Standards
Biology: Interactions Between Organisms	Relationship	Consequences Environment Interaction	Globalization and Sustainability	Human activities directly and indirectly impact the biosphere for the good and bad; developing a constant and conscious awareness enables us to create sound choices.	A- Knowing and Understanding D- Reflecting on the Impacts of Science	Research Communication	Biological classifications; Phylogeny; Dichotomous keys; Kingdoms of the Linnaean Taxonomy; Trophic levels: niches (producers, consumers, decomposers); food chains; food webs; food pyramids; biomass; biomagnification; global issues (deforestation, agriculture) and human impact to ecosystems	ACSSU111 ACSSU112
Chemistry: Properties of Matter	Change	Form Interaction Transfer	Scientific and Technical Innovation	Scientific and technical innovations have allowed us to identify patterns in the properties of chemical elements which can be used to create a range of innovative products.	B- Inquiring and Designing C- Processing and Evaluating	Thinking	Homogeneous and heterogeneous mixtures; suspensions, colloids, solutions, solute and solvent; concentration of solutions; separation techniques; lyophilization.	ACSSU113
Physics: Motion, Forces and Energy	Relationship	Balance Energy Transformation	Identifies and Relationship	Observing changes in the movement of objects allows scientists to detect and understand the transformation of energy.	B- Inquiring and Designing C- Processing and Evaluating	Self-Management Social	Nature of forces: Contact and non-contact forces; Balanced and unbalanced forces; Characteristics and nature of energy, potential energy, kinetic energy; energy transformation; energy conversions; mechanical, thermal, light, sound, chemical, nuclear energies	ACSSU155
Earth Systems: Resources on Earth and Beyond	Systems	Models Movement	Orientation in time and space	Models allow scientists to understand the movements and interactions that change our Universe.	A- Knowing and Understanding D- Reflecting on the Impacts of Science	Research Communication	Earth, Sun and Moon in Space: orbital motion: rotation, revolution, seasons; tides, phases of the Moon; eclipses; equinoxes and solstices; Impact of orbital motion to human society; Nature of resources: types of resources; location and accessibility of resources; renewable resources; nonrenewable resources; sustainability: global issues and conservation of resources	ACSSU115 ACSSU116

Subject: Gr. 8								
Unit title	Key concept	Related concept(s)	Global context	Statement of inquiry	Objectives	ATL skills	Content	Standards
A pinch of this, a pinch of that: A Chemistry unit on Properties of Matter	Change	Form Function	Scientific and Technical Innovation	By recognizing the properties of matter, including its supply on Earth, societies are continuously developing ways of using matter in a variety of practical and sustainable ways.	A- Knowing and Understanding B- Inquiring and Designing C- Processing and Evaluating D- Reflecting on the Impacts of Science	Thinking Communication Research	Atoms and Molecules, Atomic Theory, Periodic Table, Electron configuration, Physical and Chemical properties, Mixtures, Heterogeneous and Homogeneous mixtures; Solutions	ACSSU151; ACSSU152; ACSSU113
Planet Ocean: An Earth Science unit on the Hydrosphere	Relationship	Environment Consequences	Globalization and Sustainability	We depend on Earth's waters for survival; our impact on the hydrosphere brings immediate consequences both in the local and global scale.	B- Inquiring and Designing C- Processing and Evaluating D- Reflecting on the Impacts of Science	Thinking Communication Research	Properties of Water: Components of the hydrosphere; Water Cycle; Freshwater systems; Saltwater systems; Convection currents; Pollution; El Niño and La Niña; Conservation Efforts	ACSSU116; ACSSU189
Biology							Basic Life Processes; Levels of organization in the body; Human Body systems (organs and functions): respiration and circulation; digestion and excretion; endocrine and reproduction; Kinds of reproduction - sexual & asexual; Human reproduction: fertilization, gestation, birth, human growth and development	ACSSU150
Physics							Nature of electricity (voltage, current, resistance); static and current electricity; conductors and insulators; components of a circuit; kinds of circuits; application of electricity in electronics; generating electricity; sources of electric energy: fossil fuel combustion; alternative energy; global issues	ACSSU097

Subject: Gr. 9								
Unit title	Key concept	Related concept(s)	Global context	Statement of inquiry	Objectives	ATL skills	Content	Standards
Measurement Technique	Logic	Evidence	Scientific and Technical Innovation	A logical representation of data indicates clear understanding of concepts and also paves path for a systematic documentation of evidence.	A- Knowing and Understanding	Inquirer Knowledgeable Thinker communicator	To use a vernier caliper A micrometer screw gauge Finding the time period of a simple pendulum Finding densities of regular and irregularly shaped bodies Collecting and representing numerical data Graph plotting techniques Understanding the elements of a lab report Understanding the TSC	
Force and its effects, motion in straight line	Systems	Balance Movement Interaction	Scientific and Technical Innovation	Understanding what influences motion enable societies to effectively use, control, apply and innovate existing mechanical systems.	A- Knowing and Understanding B- Inquiring and Designing C- Processing and Evaluating	Communication Research Thinking	Motion graphs Vectors and scalars Acceleration speed and velocity Newton's laws of motion Action and reaction time Static and dynamic friction Types of forces Effects of force Force and pressure	
Environmental management	Communities	Consequences Environment	Globalization and Sustainability	The impact of human activities on the natural environment and sustainability of the communities.	D- Reflecting on the Impacts of Science	Communication Research	A. Agriculture and the environment-Soil composition Agriculture types Increasing agricultural yields Impact of agriculture Managing soil erosion Sustainable agriculture Soil composition Agriculture types Increasing agricultural yields Impact of agriculture Managing soil erosion Sustainable agriculture	
Thermal concepts	Change	Energy Form Transformation	Scientific and Technical Innovation	Effect of energy transformation in a system with respect to various changes in context of molecular theory	A- Knowing and Understanding B- Inquiring and Designing	Thinking Research Communication	Kinetic molecular theory, gas laws, temperature and thermometers, heat capacities, energy transfer and transformation, power production and efficiency	
Rays and waves	Time, place and space	Energy	Orientation in time and space	Wave phenomena shows a strange relationship between time and space. This phenomena has led to number of scientific discoveries about space.	B- Inquiring and Designing C- Processing and Evaluating	Thinking Research Communication	Wave properties, wave characteristics, sound and light, wave phenomena	
Electricity and magnetism	Systems		Scientific and Technical Innovation	An understanding of how electrical systems and models function to utilize various forms of energy makes one aware of the development that has taken place over two centuries.	A- Knowing and Understanding D- Reflecting on the Impacts of Science	Thinking Research Communication	Static electricity, Charging and discharging, Application of static electricity, current and voltage laws, Ohm's law and resistivity, Electromagnetic induction, motor effect and transformers	

Subject: Gr. 10								
Unit title	Key concept	Related concept(s)	Global context	Statement of inquiry	Objectives	ATL skills	Content	Standards
Small But Terrible	Systems	Function Model	Scientific and Technical Innovation	Developing a keen understanding of cellular processes enables us to utilize existing systems to improve human existence and the rest of the biosphere.	A- Knowing and Understanding B- Inquiring and Designing C- Processing and Evaluating D- Reflecting on the Impacts of Science	Communication Organization Research Thinking	Cell Parts and Functions; Eukaryote vs Prokaryote; Phagocytosis; Binary Cellular Processes	ACSSU149
What Makes Me, Me	Systems	Consequences Evidence Pattern	Identifies and Relationship	Genetics provides us with evidence that allows us to better appreciate our uniqueness and diversity	A- Knowing and Understanding B- Inquiring and Designing C- Processing and Evaluating D- Reflecting on the Impacts of Science	Communication Self management Research Thinking	Microscopic Techniques; Mitosis vs Meiosis, DNA Replication; Genetics and Inheritance	ACSSU150; ACSSU184
Atoms Make Up Everything That Matters: A Unit on Atomic Structure	Relationship	Function Model	Scientific and Technical Innovation	Atomic structure determines properties and functions of materials that make them useful to us.	A- Knowing and Understanding B- Inquiring and Designing C- Processing and Evaluating D- Reflecting on the Impacts of Science	Social Organization Research Thinking	Atomic Theory, Sub Atomic Particles, Electron Configuration, Periodicity, Naming Compounds, Writing Chemical Formula	ACSSU151, ACSSU152, ACSSU225, ACSSU177, ACSSU186
Kaboom and Everything in Between: A Unit on Stoichiometry and Chemical Reactions	Change	Function Interaction	Globalization and Sustainability	Understanding the properties of substances enable us to promote transformation of reactants to create and develop useful materials.	A- Knowing and Understanding B- Inquiring and Designing C- Processing and Evaluating D- Reflecting on the Impacts of Science	Communication Social Organization Research	Stoichiometry, Types of Reactions	ACSSU113