

Curriculum Connections

Ontario

Lesson/Activity	Curriculum Connection	Grade(s)	Overview & Overall Expectations
Lesson 1: Composition 1	Visual Arts (D1.1, D1.2, D1.4, D2.1, D2.3, D2.4, D3.1, D3.2)	4 - 6	Students will learn how to compose a photograph in Composition 1. They will use their listening skills to watch the lesson and Oral Communication skills to speak about what they heard and put it into practice by taking their own photos. Viewing the lessons in this way will help to improve their Media Literacy. Each lesson includes a challenge that encourages young photographers to get outside and walk in nature. Students may start to understand how moving and walking each day with these lessons improves their mental health and ability to cope with stress. Math skills like fractions and angles will also be used in this lesson as we talk about how to compose photographs using the Rule of Thirds and how to change the perspective in a photo to get the best shot using different angles. These math skills could be unpacked more in the classroom, if you choose, using photography.
	Language (Oral Communication - 1.1, 1.2, 1.3, 1.4, 1.6, 2.4, 2.7, 3.1, 3.2, Reading - 2.4, 3.1, 3.2, 4.2, Media Literacy - 2.1, 2.2, 4.1, 4.2)	4 - 6	
	Health and Physical Education (A1.1, A1.2, A1.3, A1.4, A1.5, A1.6, B1.1, B1.2, B1.3, B2.2, D2.5, D3.3)	4	
	Health and Physical Education (A1.1, A1.2, A1.3, A1.4, A1.5, A1.6, B1.1, B1.2, B1.3)	5 - 6	
	Mathematics (A1.1, A1.2, A1.3, A1.4, A1.5, A1.6, B1.4, B1.9, E1.1)	4	
	Mathematics (A1.1, A1.2, A1.3, A1.4, A1.5, A1.6, B1.3, E1.1, E1.3)	5	
	Mathematics (A1.1, A1.2, A1.3, A1.4, A1.5, A1.6, E1.1, E1.2)	6	
Lesson 2: Composition 2	Visual Arts (D1.1, D1.2, D1.4, D2.1, D2.3, D2.4, D3.1, D3.2)	4 - 6	Students will continue to learn about composition skills in photography with Composition 2. They will continue to practice good listening skills to put the lesson into practice. They will continue to enjoy the outdoors by taking photos using the composition skills they have learned from the lesson. Science skills are an asset here as we begin to talk about lighting; understanding where light comes from and how it can change based on time of day, direction, or the quality of the light.
	Language (Oral Communication - 1.1, 1.2, 1.3, 1.4, 1.6, 2.4, 2.7, 3.1, 3.2, Reading - 2.4, 3.1, 3.2, 4.2, Media Literacy - 2.1, 2.2, 4.1, 4.2)	4 - 6	
	Health and Physical Education (A1.1, A1.2, A1.3, A1.4, A1.5, A1.6, B1.1, B1.2, B1.3, B2.2, D2.5, D3.3)	4	

	Health and Physical Education (A1.1, A1.2, A1.3, A1.4, A1.5, A1.6, B1.1, B1.2, B1.3)	5 – 6	Students may begin to have more self-expression in their work or when communicating their photography ideas in the “check-in” assignments.
	Science (Habitats and Communities - 3.10, Light and Sound - 2.2, 3.1, 3.3, 3.6, 3.8)	4	
	Science (Properties of and Changes in Matter - 3.3, 3.4, Conservation of Energy and Resources - 3.1, 3.2, 3.3)	5	
	Science (Biodiversity - 2.1, 3.1, Space - 3.2)	6	
Lesson 3: Line	Visual Arts (D1.1, D1.2, D1.3, D1.4, D2.1, D2.2, D2.3, D2.4, D3.1, D3.2)	4 - 6	Students will begin to learn about the Elements of Design starting with Line. Students will use their Media Literacy skills and Listening skills to understand how lines are seen and photographed in nature. Students will be able to use their math skills and understanding of lines to complete this lesson. Understanding different types of lines help to create interesting photographs. Students should also be able to identify and speak about types of lines (parallel, radial, receding, etc.) and describe their differences. Students will start to recognize repeating patterns in nature that could be used in math as well. The continued practice of getting outside and walking will be great for their physical education as well as their mental health
	Language (Oral Communication - 1.1, 1.2, 1.3, 1.4, 1.6, 2.4, 2.7, 3.1, 3.2, Reading - 2.4, 3.1, 3.2, 4.2, Media Literacy - 2.1, 2.2, 4.1, 4.2)	4 – 6	
	Health and Physical Education (A1.1, A1.2, A1.3, A1.4, A1.5, A1.6, B1.1, B1.2, B1.3, B2.2, D2.5, D3.3)	4	
	Health and Physical Education (A1.1, A1.2, A1.3, A1.4, A1.5, A1.6, B1.1, B1.2, B1.3)	5-6	
	Mathematics (A1.1, A1.2, A1.3, A1.4, A1.5, A1.6, C1.1, C1.2, C1.3, C4, E1.1, E2.4)	4	
	Mathematics (A1.1, A1.2, A1.3, A1.4, A1.5, A1.6, C1.1, C1.2, C1.3, C4, E1.1, E2.3)	5	
	Mathematics (A1.1, A1.2, A1.3, A1.4, A1.5, A1.6, C1.1, C1.2, C1.3, C4, E1.1, E2.3, E2.4)	6	
Lesson 4: Shape and Form	Visual Arts (D1.1, D1.2, D1.3, D1.4, D2.1, D2.2, D2.3, D2.4, D3.1, D3.2)	4-6	Students will continue to learn about the Elements of Design and bring in more math skills to this lesson. An understanding of geometric shapes like circles, triangles, and squares will help them to see these shapes in nature. Symmetry and 3-dimensional form is also presented and can lead to more math
	Language (Oral Communication - 1.1, 1.2, 1.3, 1.4, 1.6, 2.4, 2.7, 3.1, 3.2, Reading - 2.4, 3.1, 3.2, 4.2, Media Literacy - 2.1, 2.2, 4.1, 4.2)	4-6	

	Health and Physical Education (A1.1, A1.2, A1.3, A1.4, A1.5, A1.6, B1.1, B1.2, B1.3, B2.2, D2.5, D3.3)	4	discussions and understanding by using nature to illustrate the concepts. Seeing examples in nature will help to deepen their understanding of shapes and form and understand the differences.
	Health and Physical Education (A1.1, A1.2, A1.3, A1.4, A1.5, A1.6, B1.1, B1.2, B1.3)	5-6	
	Mathematics (A1.1, A1.2, A1.3, A1.4, A1.5, A1.6, C1.1, C1.2, C1.3, C4, E1.1, E1.3, E2.2, E2.4)	4	
	Mathematics (A1.1, A1.2, A1.3, A1.4, A1.5, A1.6, C1.1, C1.2, C1.3, C4, E1.1, E1.3, E2.1, E2.3, E2.6)	5	
	Mathematics (A1.1, A1.2, A1.3, A1.4, A1.5, A1.6, C1.1, C1.2, C1.3, C4, E1.1, E1.2, E2.1, E2.3, E2.4, E2.5, E2.6)	6	
Lesson 5: Space	Visual Arts (D1.1, D1.2, D1.3, D1.4, D2.1, D2.2, D2.3, D2.4, D3.1, D3.2)	4-6	Students continue to expand their knowledge on the Elements of Design by learning about Space in photography. They will use language skills to understand and describe how space is used in photography. They can use new vocabulary like background and foreground to communicate their understanding of space.
	Language (Oral Communication - 1.1, 1.2, 1.3, 1.4, 1.6, 2.4, 2.7, 3.1, 3.2, Reading - 2.4, 3.1, 3.2, 4.2, Media Literacy - 2.1, 2.2, 4.1, 4.2)	4-6	
	Health and Physical Education (A1.1, A1.2, A1.3, A1.4, A1.5, A1.6, B1.1, B1.2, B1.3, B2.2, D2.5, D3.3)	4	
	Health and Physical Education (A1.1, A1.2, A1.3, A1.4, A1.5, A1.6, B1.1, B1.2, B1.3)	5-6	
Lesson 6: Texture	Visual Arts (D1.1, D1.2, D1.3, D1.4, D2.1, D2.2, D2.3, D2.4, D3.1, D3.2)	4-6	Students add another term to their knowledge of the Elements of Design as they continue to practice their photography skills with Texture. They should be improving their Media Literacy by sharing photos they have taken with the class and understanding the flow of the lessons. Students will also be able to expand their
	Language (Oral Communication - 1.1, 1.2, 1.3, 1.4, 1.6, 2.4, 2.7, 3.1, 3.2, Reading - 2.4, 3.1, 3.2, 4.2, Media Literacy - 2.1, 2.2, 4.1, 4.2)	4-6	

	Health and Physical Education (A1.1, A1.2, A1.3, A1.4, A1.5, A1.6, B1.1, B1.2, B1.3, B2.2, D2.5, D3.3)	4	knowledge of adjectives to communicate what their pictures might feel like. Students can compare and contrast different textures and analyze what they see outside to deepen their math skills and understanding. We speak about lighting again in this lesson to remind the students about how light can be used to enhance or detract from a photo. The understanding of light will be very helpful for students to create great photography.
	Health and Physical Education (A1.1, A1.2, A1.3, A1.4, A1.5, A1.6, B1.1, B1.2, B1.3)	5-6	
	Mathematics (A1.1, A1.2, A1.3, A1.4, A1.5, A1.6, C1.1, C1.2, C1.3, C4, D1.2, D1.6, D2.2, E2.4)	4	
	Mathematics (A1.1, A1.2, A1.3, A1.4, A1.5, A1.6, C1.1, C1.2, C1.3, C4, D1.1, D1.2, D1.6, E2.3)	5-6	
	Science (Habitats and Communities - 3.10, Light and Sound - 2.2, 3.1, 3.3, 3.6, 3.8)	4	
	Science (Properties of and Changes in Matter - 3.3, 3.4, Conservation of Energy and Resources - 3.1, 3.2, 3.3)	5	
	Science (Biodiversity - 2.1, 3.1, Space - 3.2)	6	
Lesson 7: Tone	Visual Arts (D1.1, D1.2, D1.3, D1.4, D2.1, D2.2, D2.3, D2.4, D3.1, D3.2)	4-6	Students continue to expand on their knowledge of lighting; how to use natural sources, good use of angles for appropriate shadows and highlights, and how light enhances or detracts from a photo. They will learn about Tone in this lesson for the Elements of Design. This will help them with variations of light and how to recognize it, use it, and make it work in their photos. Students will be able to express how a "mood" might change based on lighting and this will help them create their self-expression and voice by understanding the mood they want to show their audience in their photos.
	Language (Oral Communication - 1.1, 1.2, 1.3, 1.4, 1.6, 2.4, 2.7, 3.1, 3.2, Reading - 2.4, 3.1, 3.2, 4.2, Media Literacy - 2.1, 2.2, 4.1, 4.2)	4-6	
	Health and Physical Education (A1.1, A1.2, A1.3, A1.4, A1.5, A1.6, B1.1, B1.2, B1.3, B2.2, D2.5, D3.3)	4	
	Health and Physical Education (A1.1, A1.2, A1.3, A1.4, A1.5, A1.6, B1.1, B1.2, B1.3)	5-6	
	Science (Habitats and Communities - 3.10, Light and Sound - 2.2, 3.1, 3.3, 3.6, 3.8)	4	

	Science (Properties of and Changes in Matter - 3.3, 3.4, Conservation of Energy and Resources - 3.1, 3.2, 3.3)	5	
	Science (Biodiversity - 2.1, 3.1, Space - 3.2)	6	
Lesson 8: Colour	Visual Arts (D1.1, D1.2, D1.3, D1.4, D2.1, D2.2, D2.3, D2.4, D3.1, D3.2)	5	Students complete the Elements of Design with Colour. Students should be able to demonstrate good Oral Communication skills using the vocabulary of the Elements of Design as well as photography. Students should also be able to create their own Visual Arts pieces using their photography and editing skills developed throughout the lessons. Many science skills can be linked to this lesson because of the colours we see in nature. Colours in plants and leaves can be used to teach photosynthesis and the light spectrum. Colours can also create mood in photos and help the students express themselves or understand others through different artwork.
	Language (Oral Communication - 1.1, 1.2, 1.3, 1.4, 1.6, 2.4, 2.7, 3.1, 3.2, Reading - 2.4, 3.1, 3.2, 4.2, Media Literacy - 2.1, 2.2, 4.1, 4.2)	4-6	
	Health and Physical Education (A1.1, A1.2, A1.3, A1.4, A1.5, A1.6, B1.1, B1.2, B1.3, B2.2, D2.5, D3.3)	4	
	Health and Physical Education (A1.1, A1.2, A1.3, A1.4, A1.5, A1.6, B1.1, B1.2, B1.3)	5-6	
	Science (Habitats and Communities - 2.3, 3.1, 3.2, 3.3, 3.7, 3.10, Light and Sound - 2.2, 2.5, 3.1, 3.3, 3.6, 3.8)	4	
	Science (Properties of and Changes in Matter - 1.1, 1.2, 2.3, 3.3, 3.4, 3.6, Conservation of Energy and Resources - 3.1, 3.2, 3.3)	5	
	Science (Biodiversity - 1.2, 2.1, 2.2, 2.3, 2.4, 3.1, 3.2, 3.3, 3.4, 3.5, 3.7, Space - 3.2)	6	
Cumulative Project	Visual Arts (D1.1, D1.2, D1.3, D1.4, D2.1, D2.2, D2.3, D2.4, D3.1, D3.2)	4-6	After completing the course on the Elements of Design, including videos, challenges, and check-ins, students will complete this cumulative project to reflect on the Elements of Design and their artwork as a whole. Students will create a slideshow of their best photographs, including photos for each Element of Design and their answers to reflection questions. The intent of this cumulative project is for it to be marked and go towards the students' visual art grade.
	Language (Oral Communication - 1.1, 1.2, 1.3, 1.4, 1.6, 2.4, 2.7, 3.1, 3.2, Reading - 2.4, 3.1, 3.2, 4.2, Media Literacy - 2.1, 2.2, 4.1, 4.2)		

Extension Activity	Curriculum Connection	Grade(s)	Overview & Overall Expectations
Nature Sculpture	Visual Arts (D1.1, D1.2, D1.3, D1.4, D2.1, D2.2, D2.3, D2.4, D3.1, D3.2)	4-6	Nature Sculptures is an activity designed to allow students to create art in an eco-friendly way. Inspired by the work of artist Andy Goldsworthy, students will create an art piece using only materials found in nature. Their sculpture will demonstrate their knowledge of the Elements of Design. Once the sculpture is completed, students will take a photo to preserve it, then let the sculpture return to nature.
	Language (Oral Communication - 1.1, 1.2, 1.3, 1.4, 1.6, 2.4, 2.7, 3.1, 3.2, Reading - 2.4, 3.1, 3.2, 4.2, Media Literacy - 2.1, 2.2, 4.1, 4.2)	4-6	
	Health and Physical Education (A1.1, A1.2, A1.3, A1.4, A1.5, A1.6, B1.1, B1.2, B1.3, B2.2, D2.5, D3.3)	4	
	Health and Physical Education (A1.1, A1.2, A1.3, A1.4, A1.5, A1.6, B1.1, B1.2, B1.3)	5-6	
The Group of Seven	Visual Arts (D1.1, D1.2, D1.3, D1.4, D2.1, D2.2, D2.3, D2.4, D3.1, D3.2)	4-6	<p>The Group of Seven presentation and activity is designed to teach students about Canadian artists, history, and the voices of artists that may be overlooked. This can be used as a whole unit in art or as one presentation and project.</p> <p>With the accompanying slideshow presentation, the students can expand their idea of “good” art and express their own opinions on what they see. We include some leading questions in the presentation to get conversations started about the Elements of Design, the Group of Seven, and other artists' voices.</p> <p>The students will create their own landscape painting based on what they learn.</p>
	Language (Oral Communication - 1.1, 1.2, 1.3, 1.4, 1.6, 2.4, 2.7, 3.1, 3.2, Reading - 2.4, 3.1, 3.2, 4.2, Media Literacy - 2.1, 2.2, 4.1, 4.2)	4-6	
	Social Studies/History (B3.1)	4	
	Social Studies/History (A1.3, A2.2, A2.5, A2.6, A3.6, B3.8)	5	
	Social Studies/History (A1.1, A1.2, A1.3, A2.1, A2.2, A2.4, A2.5, A2.6, A3.3, A3.4, A3.5, A3.6, A3.8, B3.9)	6	

Short Story	Visual Arts (D1.1, D1.2, D1.3, D1.4, D2.1, D2.2, D2.3, D2.4, D3.1, D3.2)	4-6	The short story activity is designed to allow students to expand their imagination beyond taking photos and turn those photos into a story. Students will create a short story using one photo or a collection of photos they have taken to demonstrate a theme or topic. The students can choose their own theme/topic based on the photo they choose.
	Language (Oral Communication - 1.1, 1.2, 1.3, 1.4, 1.6, 2.4, 2.7, 3.1, 3.2, Reading - 2.4, 3.1, 3.2, 4.2, Writing - FULL CURRICULUM, Media Literacy - 2.1, 2.2, 4.1, 4.2)	4-6	
Forest Bathing	Health and Physical Education (A1.1, A1.2, A1.3, A1.4, A1.5, A1.6, B1.1, B1.2, B1.3, B2.2, D2.5, D3.3)	4	The Forest Bathing activity is designed to allow students to connect to the nature around them through sound. Students will find a natural space and spend some time in silence in that space to see what they can discover. The students can also be encouraged to practice meditation in this space. Students can use this activity to improve their listening skills and find a potential strategy for mental health wellness. Through meditation and/or listening to nature, the students will start to develop skills for quieting the mind and a better awareness of self.
	Health and Physical Education (A1.1, A1.2, A1.3, A1.4, A1.5, A1.6, B1.1, B1.2, B1.3)	5-6	
Collecting and Representing Data	Visual Arts (D1.1, D1.2, D1.3, D1.4, D2.1, D2.2, D2.3, D2.4, D3.1, D3.2)	4-6	Using their collection of photos, students will collect data based on a feature of the photographs. Once the data is collected, students will display their data in a form appropriate to their grade. Students will then calculate the mean and draw conclusions based on their data (grade-dependent).
	Mathematics (A1.1, A1.2, A1.3, A1.4, A1.5, A1.6, C1.1, C1.2, C1.3, C4, D1.1, D1.2, D1.3, D1.4, D1.5, D1.6, D2.2, E1.3)	4	
	Mathematics (A1.1, A1.2, A1.3, A1.4, A1.5, A1.6, C1.1, C1.2, C1.3, C4, D1.1, D1.2, D1.3, D1.4, D1.5, D1.6, E1.3)	5-6	
Shapes and Forms, Leaves and Trees	Mathematics (A1.1, A1.2, A1.3, A1.4, A1.5, A1.6, C1.1, C1.2, C1.3, C4, E1.1, E2.2, E2.4, E2.6)	4	Students will use nature to expand their knowledge of shapes and forms using leaves and trees. They will measure, label, and compare and contrast their findings using math skills. They may also use some science skills when they see different habitats or the biodiversity of plants in their communities.
	Mathematics (A1.1, A1.2, A1.3, A1.4, A1.5, A1.6, C1.1, C1.2, C1.3, C4, E1.1, E1.3, E2.1, E2.3, E2.4, E2.6)	5	

	Mathematics (A1.1, A1.2, A1.3, A1.4, A1.5, A1.6, C1.1, C1.2, C1.3, C4, E1.1, E1.2, E2.1, E2.3, E2.4, E2.5, E2.6)	6	
	Science (Habitats and Communities - 1.1, 1.2, 2.3, 3.1, 3.2, 3.3, 3.7, 3.10)	4	
	Science (Biodiversity - 1.2, 2.1, 2.2, 2.3, 2.4, 3.1, 3.2, 3.3, 3.4, 3.5)	6	
Life Cycle	Science (Habitats and Communities - 3.1, 3.2, 3.3, 3.5, 3.7, 3.10)	4	Students will research a plant or animal that is found in their neighbourhood or around the school. Their plant or animal will be one that they are able to take a photo of during their outdoor photography time. Students will create a project explaining the plant/animal's life cycle, and investigate the interdependence with the habitat/community.
Nature Newspaper Article	Language (Writing – full curriculum, Media Literacy - 2.1, 2.2, 3.1, 3.2, 3.3, 3.4, 4.1, 4.2)	4-6	Students will create a newspaper article to discuss the impact of society on the environment around their school/neighbourhood. Students will use a photo from their nature walk in their article, and advocate for ways in which the environment can be preserved. They can also use this information to expand their understanding of the global impact we have on the planet.
	Science (Habitats and Communities - 1.1, 1.2, 2.3, 3.1, 3.10)	4	
	Science (Properties of and Changes in Matter - 1.1, 1.2)	5	
	Science (Biodiversity - 1.1, 1.2, 2.1, 2.4, 3.2, 3.4, Electricity and Electrical Devices - 1.1, 1.2)	6	
	Social Studies/History (B1.3, B2.1, B2.2, B2.5, B2.6, B3.9)	6	
Biodiversity Food Webs	Science (Habitats and Communities - 2.2, 2.3, 3.1, 3.2, 3.3, 3.5, 3.7, 3.10)	4	Using the photos that students took during their outdoor photography time, students will create food webs to demonstrate their understanding of biodiversity and interrelations in the habitat. Students will then answer some reflection questions.
	Science (Biodiversity - 1.1, 1.2, 2.1, 2.2, 2.3, 2.4, 3.1, 3.2, 3.3, 3.4, 3.5, 3.7)	6	

Community Natural Areas Poster	Visual Arts (D1.1, D1.2, D1.3, D1.4, D2.1, D2.2, D2.3, D2.4, D3.1, D3.2)	4-6	Students will create a poster using photos of their community nature area to bring awareness to the area, promote its use, and brainstorm ways to protect it. Students will use their skills as photographers to illustrate things that need protecting and preserving. They will also use their writing skills to share the appropriate message to their audience.
	Language (Writing – full curriculum, Media Literacy - 2.1, 2.2, 3.1, 3.2, 3.3, 3.4, 4.1, 4.2)	4-6	
	Science (Habitats and Communities - 1.1, 1.2, 2.3, 3.1, 3.3, 3.7, 3.10)	4	
	Science (Properties of and Changes in Matter - 1.1, 1.2)	5	
	Science (Biodiversity - 1.1, 1.2, 2.1, 2.4, 3.2, 3.4, Electricity and Electrical Devices - 1.1, 1.2)	6	