

SHSM Program Planning Template

Teacher Name	Brenda Scarlett	scarlett@limestone.on.ca
School Name	Bayridge Secondary School	
Sector	Environment	
Existing SHSMs at the School	Hospitality and Tourism, Arts and Culture	

SHSM Team

	Name	Responsibilities (specific tasks)
Student Success teacher	Vicki McConnell	
School administrator(s)	Heather Highet	
Guidance teacher(s)	Michelle Sharpe	
Cooperative education teacher(s)	G. Cusson/G. Pixley	
Major credit teacher(s)	Brenda Scarlett	Earth and Space, Grade 11 Natural Disasters, Gr 12 World Issues, Gr 12 Environment and Resource Management, Gr 11 Travel and Tourism
Teachers of 'other required' course(s)	Geography and Science Teachers (varies)	Environmental Science, Biology, Chemistry

SHSM Program Description:

Bayridge Secondary School is very proud of its focus on Environmental issues. Staff and students have worked together to become a highly respected leader in the field of Environmental studies and initiatives that make a difference locally and globally. A gold seal Ecoschool for the past ten years, the school boasts environmentally focused programs in Geography and Science, a vital Environmental Club (EcoTeam), and an EcoSchools Canada Team. Sharing the passion and expertise, Bayridge is hoping to rehost an annual Environmental Summit for all Limestone District students. Students work with the community and local businesses agencies on studies and projects – both past and present, such as E-waste drives with Scott Environmental and composting/gardening projects. The Grade 12 Earth and Space Program has been invited to meet Nobel Prize laureate Dr. Art Macdonald at the inaugural ceremony of the Astrophysics Visitor Centre at Queen's University (the only high school to be

recognized for such an event). Many Bayridge graduates have gone on into post-secondary education or employment in this area. With plans to continue to build these programs in the field of environmental science and geography, the SHSM Environmental will tie together all of the components in this area in an enhanced diploma which distinguishes the focus in this area. Bayridge Secondary presently has several environmentally focused courses in both Geography and Science disciplines, two extracurricular clubs with numerous projects, initiatives and enrichment opportunities in the field (geology excursions, placements in sought-after co-op opportunities) and several stand alone courses in Environmental Studies, Resource Management. Environmental Stewardship is vital to the school and thus, students will be able to obtain a bundle of credits in the field, complete a practical experience placement, gain valuable certifications, participate in GIS Skills Competitions and take advantage of enriched learning opportunities. Partnerships with LDSB Sustainable Initiatives, Ecoschools projects, ECO Canada, local environmental corporations and St. Lawrence College ensure the program is relevant to societal needs and appropriate student preparation for the future.

SHSM Program Models:

Choose the model that best fits your program.

<input checked="" type="checkbox"/>	Two Year Model	<input type="checkbox"/>	All components from SHSM will be fulfilled
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*SHSM programming is for students from all pathways.

This SHSM Program provides opportunities for the following potential occupations:

Consolidated as an SHSM Environmental, these students will be well prepared for future endeavours in Environmental studies and employment. Green Industries, including Environmental Management, is one of the fastest growing career opportunities serving today's global needs. Students who have an interest in developing skills leading to employment within the environmental aspects of the Green Industries sector such as landscaping, green space development, composting and renewable resource management will find this a foundational program for future post secondary training and employment. The program is issues based and project driven. Partnerships with LDSB Sustainable Initiatives, Ecoschools projects, ECO Canada, local environmental corporations and St. Lawrence College ensure the program is relevant to societal needs and appropriate student preparation for the future. Potential Green Industries courses offer students opportunities to investigate how to care for and sustainably manage our natural and living resources. Students will explore a variety of areas within green industries, including agriculture, floristry, forestry, horticulture, and/or landscaping. Students will gain practical skills and knowledge by completing a variety of authentic, industry-relevant activities and projects, such as plant propagation and greenhouse maintenance activities; landscape design and planning exercises; assignments that include farm or forestry

management plans; and various construction projects (as a partnership with technology and construction in the school). In addition, students will be introduced to concepts pertaining to biodiversity, environmental sustainability, and natural versus artificial products. Students will also investigate the numerous and varied ways in which green industries and society are interdependent. Green industries courses will prepare students for working safely in the many fields that are encompassed in this subject area. Students will learn about career opportunities in the green industries and about the Essential Skills and work habits that are important for success in these fields.

Pathway Chart: Below are the course codes that are linked to the sector and are offered at this school.

SHSM Major Subjects							
<i>Apprenticeship</i>		<i>College</i>		<i>University</i>		<i>Workplace</i>	
11	12	11	12	11	12	11	12
TCJ3C0	TCJ4C0	TCJ3C0	TCJ4C0	CHW3M0	CLN4U0	TCJ3E0	TCJ4E0
		GPP300	CGR4M	CLU3M0	CGW4U0	PAD300	PAD400
		SCH4C		SBI3U0	HSB4U0	CGG300	PAF400
		CGG300		SCH3U0	TDJ4M0	PAF300	PPL400
		CGF3M		SPH3U0	TGJ4M0	PPL300	TDJ400
				TDA3M0	SBI4U	TDJ300	TGJ400
				TDJ3M0	SES4U	TGJ300	CGR4E
				TGJ3M0	CGR4M		
English							
<i>Apprenticeship</i>		<i>College</i>		<i>University</i>		<i>Workplace</i>	
11	12	11	12	11	12	11	12
Math							
<i>Apprenticeship</i>		<i>College</i>		<i>University</i>		<i>Workplace</i>	
11	12	11	12	11	12	11	12
Other Required Credits (refer to Ontario.ca/SHSM)							
<i>Apprenticeship</i>		<i>College</i>		<i>University</i>		<i>Workplace</i>	
11	12	11	12	11	12	11	12

Compulsory Certifications (copy/paste more boxes as required):

Each sector has a certain number of compulsory certifications. Please refer to the LDSB SHSM website for more information: <https://sites.google.com/limestone.on.ca/shsm/home>

Compulsory Certification	
Title/Focus of Certification or Training Program:	First Aid
Provided by: (range of providers)	ICSS
Delivery Type (in person/blended/online):	Online (due to Covid)

Compulsory Certification	
Title/Focus of Certification or Training Program:	CPR w/AED
Provided by: (range of providers)	ICSS
Delivery Type (in person/blended/online):	Online (due to Covid)

Compulsory Certification	
Title/Focus of Certification or Training Program:	WHMIS
Provided by: (range of providers)	ICSS
Delivery Type (in person/blended/online):	Online (due to covid)

Compulsory Certification	
Title/Focus of Certification or Training Program:	GPS
Provided by: (range of providers)	LDSB and Gould Lake (Shawn McShane)
Delivery Type (in person/blended/online):	In person or online

Elective Certifications (copy/paste more boxes as required):

Each sector has a certain number of elective certifications. Please refer to the LDSB SHSM website for more information: <https://sites.google.com/limestone.on.ca/shsm/home>

Elective Certification	
Title/Focus of Certification or Training Program:	GIS Introduction through ESRI Arc GIS on-line
Provided by: (range of providers)	ESRI Arc GIS on-line Jean Tong/Angela Alexander (support on-line)
Contact Person (if available):	B. Scarlett
Delivery Type (in person/blended/online)	In person through senior geography program and/or blended
GIS is vital to investigating environmental issues. Learning this program and applying it to solve issues is a crucial part of the overall program.	

Elective Certification	
Title/Focus of Certification or Training Program:	Project Wild
Provided by: (range of providers)	Gould Lake
Contact Person (if available):	
Delivery Type (in person/blended/online)	In person (if available during covid)

Elective Certification	
Title/Focus of Certification or Training Program:	species identification (e.g., fish, birds, plants, trees, small mammals)
Provided by: (range of providers)	BSS Educators
Contact Person (if available):	
Delivery Type (in person/blended/online)	Blended

Elective Certification	
Title/Focus of Certification or Training Program:	leadership skills
Provided by:	OELC

(range of providers)	
Contact Person (if available):	
Delivery Type (in person/blended/online)	online

Elective Certification	
Title/Focus of Certification or Training Program:	Soil classification and Testing
Provided by: (range of providers)	Queen’s University Biological Station – Elbow Lake
Contact Person (if available):	
Delivery Type (in person/blended/online)	In person once field trips running once again

Examples of Cooperative Education placements
<p>Co-op Placements – potentially at: (BSS students have been placed at or have potential to be placed at the following:)</p> <p>Gould Lake in Summer Programs Little Cataraqui Conservation Programs Miller Museum at Queen’s University Sandy Pines Wildlife Centre McDonald Institute Visitor Centre – Astrophysics at Queen’s University Queen’s Observatory at Ellis Hall – Queen’s University Martha’s Table (or other local charities – linking to local food issues) Local Garden Projects: Robinson Community Garden, Patchwork Gardens Local Harvest Garden – through Culinary at BSS PEARL Lab at Queen’s University Queen’s University Biological Station – Elbow Lake CanGeo Giant Travelling Maps Education Programs</p>

SHSM Students

How do SHSM students be selected/identified for the program? Select all that apply.	
Interview	<input checked="" type="checkbox"/> X
Application	<input type="checkbox"/>
Self-identify through course selection	<input type="checkbox"/> X
Parent approval required	<input type="checkbox"/>
myBlueprint	<input type="checkbox"/> X

2020-2021

Other _____ Recommended by Teacher(s) in school ____ (add more details here)	<input type="checkbox"/> X
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