3.	Please describe the key successes and challenges of your project. (Minimum of two examples for each)
4.	What key points of advice or lessons learned would you give to other SPF teams either regarding your experience managing your project or the project itself?
	7 7

Project Summary May 2016

Sustainability learning communities 14-2016

Description

Joint project between the McGill Office of Sustainability (MOO\$) and Teaching and Learning Services (TL\$) to explore integrating sustainability inithings individually and will active by restallowed by an additionally and restaurable of Sustainability in the state of Sustainabili

Project Overview

GOAL: Transform approaches to teaching within commonworks all McGill students, upon completion of their degrees will be engaged citizens with the knowledge, skills, and perspectives necessary to address Sciences (FAES) and

f Integrated Studies in Education (DISE).

Project members:

- x TLSMarcy Slapcoff, Eva Dobler
- x MOOS: Kim McGrathLilith Wyatt (until April 2014)
- x Students: Valérie Toupir Dubé, Frédéric Rivard, Yi Syruan (Elaine) Huan Agmanda Winegaroher (Graduate Student Assistan TLS) May Le (Education Intern, MOO Şuntil Sept. 2014)
- x Faculty:Anila Asghar, Caroline Bedegena BennettRoger I. CueMary HendricksonNelson George McCourtCaroline RichesNatalie Waters(until June 2015)Elizabeth Wood

Project Summary May 2016

Milestones

- x Established a learning communityade up of faculty, students and staff
 - Held monthly meetings on both campuses beginning in December, 2014
 - Created networking opportunities for faculty and students

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Selected materials from Sustainability Learning Community

Summary points from education for sustainability research

Learning outcomes and competencies related to sustainability

o The majority of literature related to learning outcomes and competencies in "sustainability", "sustainability education", "education for sustainable development" and "social responsibility" provides broad lists of knowledge requirements and skills. A remaining challenge with these lists is in identifying those unique to

Learning outcomesrom the literature relating to sustainability/socialesponsibility

The literature on education for sustainability and social responsibility refers to learning outcomes, competencies and skills. Although there are nuances in the meaning of these terms, we feel they are equivalent for our purposes and can be used interchangeably. The information in this table is drawn from this literature, and is loosely organized into two columns. The first column "Overarching categories" refers to broad outcomes whereas the second column, "Examples' refers to outcomes related to cognitive ethodological and altitudinal processes and contains a higher level of specificity than level one. References are found below.

1. Overarching categories (See Note A below)

Systemsthinking competence: the ability to collectively analyze complex systems across different domains (society, environment, economy, etc.) and across different scales (local to global), thereby considering cascading effects, inertia, feedback loops and other systemic features reted to sustainability issues and sustainability problem-

2. Examples (See Note B below): Students are able to...

today have consequences long into the future" [3].

o Design action plans to improve any proc**ess**duct relationship from an environmental point of view

Sample earning outcomes related toustainability/social responsibility

Sustainability Learning Communities: Kickoff meeting, December 2014

The literature on education for sustainability and social responsibility refers to learn to groves, competencies and skills. Although there are nuances in the meaning of references the protocompete celebrate decompositive that the meaning of references are found below.

Overarching categorie(See NoteA below)		Examples(See Note B below)Students are able to
Systemsthinking competence: the ability to	0	Explain how sustainability relates to their lives and their values, and how their actions in
differentiated ly an arithyse (es o o inerpherovis y at energy, accossomy,		issues of sustainability
ttie je kan och se sich i gerten and anligen (le das tim getsia ell), ted	0	Explain how systems (biological, environmental, social, governmental, economic etc.) a
to sustainability issues and sustainabilityoblem-		interrelated ⁴
	0	Translate what the know about setainability to a world stage
	0	Talk about international, national, and local initiatives to protect and improve the natural
		and social environmeħt
solving frameworks" [1,2].	0	Understand what impacts whether a local action can be applied to a large scale
Anticipatory competence: the ability to	0	Analyze differing theories about economic, social or environmental development
collectively analyze, evaluate, and craft rich pictures	;	
of the future related to sustainability issues and		
sustainability problemsolving frameworks" [1,2].		
Normative competence the ability to collectively,	0	Define sustainability
map, specify, apply, reconcile, and negotiate sustainability values, principles, goals and	0	Reflect objectively on the models of individual behaviour and cultural patterissing in society ⁵
targetsThis capacity is based on acquired	0	Detect cause/effect relationships in environmental issues
normative knowledge including concepts of justice,	0	Detect cause/effect relationships in social issues
equity, social ecobolical integrity, and ethics; as well as methods and methodologies such as multi criteria assessmet and structured visioning" [1,2].	0	Explain the historical origins of current environmental concerns

understanding of strategic concepts such as intentionality, systemic inertia, path dependencies, barriers, carriers, alliances etc."][2 Interpersonal competence:

References

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- 4. American College Personnel Association. Sustainability Task Force: Student Learning Outcomes, Assessment Materials Agailable ok. online: https://ctlc.cornell.edu/filedepot_download/351/20(Note: Carleton College also promotes these learning outcomes)
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Glossary of terms relating to sustainabilitysocial responsibilityand education

Sustainability Learning Communities: Kickoff meeting, December 2014

The purpose of this glossary is to explore the diversity of definitions associated with common terms associated with sustainability and education literature.

TERM	DEF	INITION(S) AND SOURCES	NOTES
Education for Sustainable Development (ESD)	0	UNESCOallowsevery human being to acquire the knowledge, skills, attitudes and values necessary to shape a sustainable futural means including key sustainable development issues into teaching and learning; for example, climate change, disaster risk reduction, biodiversity, poverty reduction, and sustainable consumption. It also requires participate	t

Resilience	o Center for Resilience (Ohio State Ut) e capacity of a system to survive, adapt, and grow	- See Showstack (2014).
	the face of unforeseen changes, even catastrophic incidents.	- Center for
		Resiliencehttp://resilience.os
		u.edu/CFRsite/concepts.htm
		see "Rethinking sustainability"
		- Note: "survivability" is also a
		term used in corporate
		scenarios.

Social Justice Education

o Bell (1997)/Hackman and Rauscher (2004)number of key goals that can be distilled into three main areassocial responsibility, student empowerment, and the equitable distribution of resources. All three of 14 0 Td ()Tj /TT3 1 TS7171a39,-4.3(i)i804 k.3(n)-0.7(b)-0.ill1 TS0re f 135n5bld tj /TT3 1 TS717217 (d)

KeyReferences

Bell, L.A. (1997). Theoretical foundations for social justice education. In M. Adams, L.A. Bell and P. Griffin (Eds.), Teaching for diversity and social justice: A sourcebook (p. 3-15). New York: Routledge.

Council of Ministers of Education, Canada (2012). Education for Sustainable Develop@ænddian Faculties of Education. Available online:https://cudc.uqam.ca/upload/files/ESD_Dean_reportEN.pd

Hackman, H.W., and Rauscher, L. (2004) athway to Access for All: Exploring the Connections Between Universal Instructional Design and Social Justice Education. Equity and Excellence in Education 37:1234

McGill Office of Sustainability (Sustainability at McGill). (2014). Vision 2020: A Sustainability Strategy for McGill University. Available online: http://www.mcgill.ca.sustainability/sites/mcgill.ca.sustainability_strategy_final2.pdf

Saroyan, A., and Amundsen, C. (Eds). (2004). Rethinking Teaching in Higher Education: From a course design workshop to design w

Showstack (2014 Sustainability as Environmental Framework be Outdated, Lawyers Argue. Eos 95: 22.

Suskie (2004). Assessing Student Learning: A Common Sense Guide.

Vaughter, P., Wright, T., McKenzie, M., abidstone, L. (2013)Greening (er)3(2013).(n)-0.8)p

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Na	ame:					
1.	How would you rate	e your exp	erience in the S	Sustainabilit	y Learning Commun	ity?
	1 Very negative	2	3 Neutral	4	5 Very positive	
	Please explain					
2.	Has anything changes o, please describe				nability, teaching tea	adning?lf
3.	Which processes, t	ools, strate	egies, etc. did y	ou find valu	able?	
4.	What would you like a. for you as a			bility, teachi	ng and learning?	
	b. for McGillas	an institutio	on?			

THANK YOU!