Integrative Science academic program

DRAFT DOCUMENT #3 (of 5): reinvigoration – supports required and relationships with AFN doc, AbLKC model, and APCFNC Elders Recommendations

FIVE DRAFT DOCUMENTS

- 1. work required overview
- 2. new courses required "Science in Community" (SciC)
- 3. relationships looking to AFN's document on supporting students transitioning to PSE, CCL-AbLKC's *First Nations Holistic Lifelong Learning Model*, and APCFNC/AAEDIRP Elders Project's Recommendations on *Honouring Traditional Knowledge*
- 4. relationships what is Integrative Science ... what is science?
- 5. relationships transdisciplinarity

www.integrativescience.ca

Integrative Science academic program

DRAFT DOCUMENT #3 (of 5): reinvigoration – supports required and relationships with AFN doc, AbLKC model, and APCFNC Elders Recommendations

a synoptic look at two major sections within an Assembly of First Nations' 2012 report to show approaches congruent with recommendations for Aboriginal post-secondary education

an exploration of the

Canadian Council on Learning – Aboriginal Learning Knowledge Centre's "First Nations Holistic Lifelong Learning Model"

a highlight of the eight recommendations for
"Honouring Traditional Knowledge"
made by Elders within a research project by the
Atlantic Aboriginal Economic Development Integrated Research Program
(AAEDIRP)

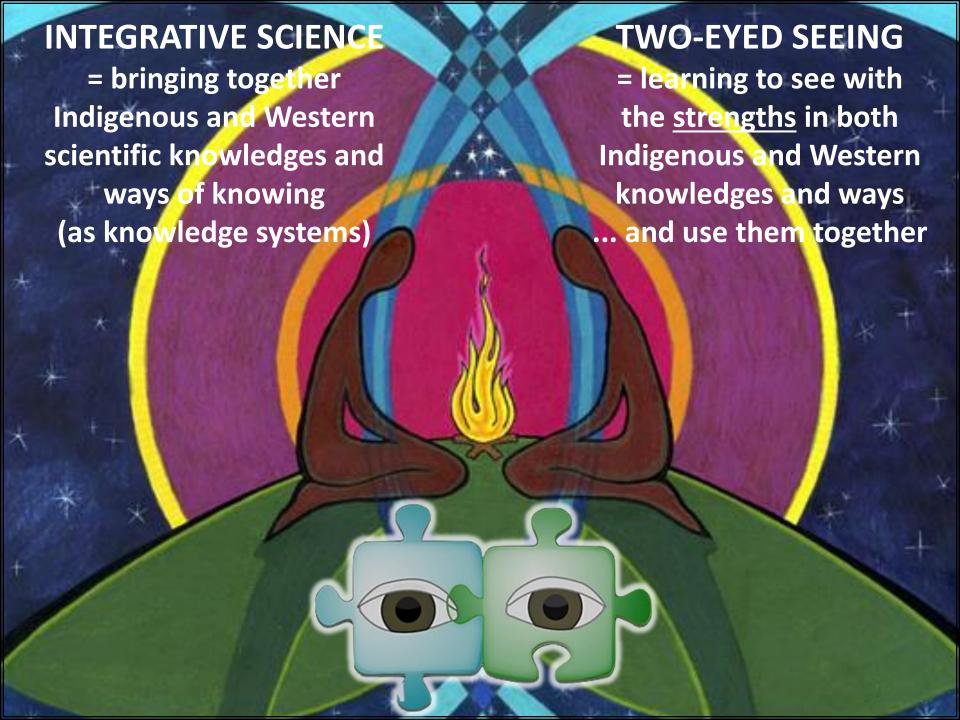
of the Atlantic Policy Congress of First Nations Chiefs (APCFNC)

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NOTE about this document:

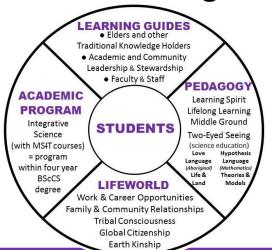
- Prepared in Winter 2014, this document along with others sought to convey understandings pertaining to <u>Integrative Science as a concentration with innovative MSIT science courses</u> within the <u>Bachelor of Science Community Studies (BScCS)</u> four year degree at Cape Breton University. They were prepared by Cheryl Bartlett to aid anticipated group discussions about potentially reinvigorating the Integrative Science concentration and the BScCS degree, given that both had become non-functional around 2010. The documents were not used and reinvigoration of Integrative Science and the BScCS did not occur.
- Collectively, the documents provide an overview of: (1) the work and resources that would have been required in order to proceed towards an envisioned reinvigoration of Integrative Science, and (2) the overall nature and evolving relationships for Integrative Science from its original vision and configuration as an academic program in the late 1990s guided by Two-Eyed Seeing through to its relationships with national developments in the 2000s and early 2010s. The period 1999 to the mid-2000s saw remarkable success for Integrative Science, including numerous students enrolled in the MSIT courses created for Integrative Science; several students graduate with a BScCS Integrative Science degree; eleven students earn NSERC-USRAs and some students receive other scholarships; many students engaged in community workshops, summer research projects, and elementary school science outreach; and the Integrative Science program itself receive a national award of recognition from the Canadian Council on Learning.

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a document to share

"information, resources, positioning, and congruencies" towards better and broader understandings of Integrative Science and Two-Eyed Seeing



A series of documents has been created to help justify and contextualize efforts and approaches towards revitalizing the Integrative Science academic program, including CBU's Bachelor of Science Community Studies (BScCS) degree which houses Integrative Science.

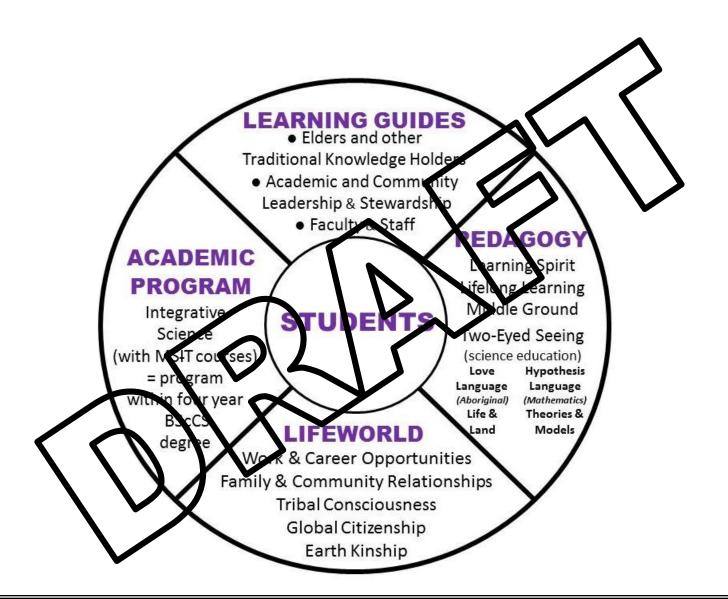
The documents in the series rely heavily on the use of images, congruent with the request that Integrative Science encharage learning in a visual way, a request made by Wickman community members when the academic program was conceived in the mid-1990s. The ability to read images and ponder a visual landscape – i.e. to sense patterns, shaloges, and resonances, and begin to interpret them—is both an Abbriginal traditional skill and a modern science skill ... he., an Integrative Science skill.

Oral communication – a second skill and one particularly emphasized in Aboriginal traditional ways – can then facilitate the creation of shaled meaning. As such, it becomes a desirable, although not absolutely essential, travelling companion for visual learning and visual thinking.

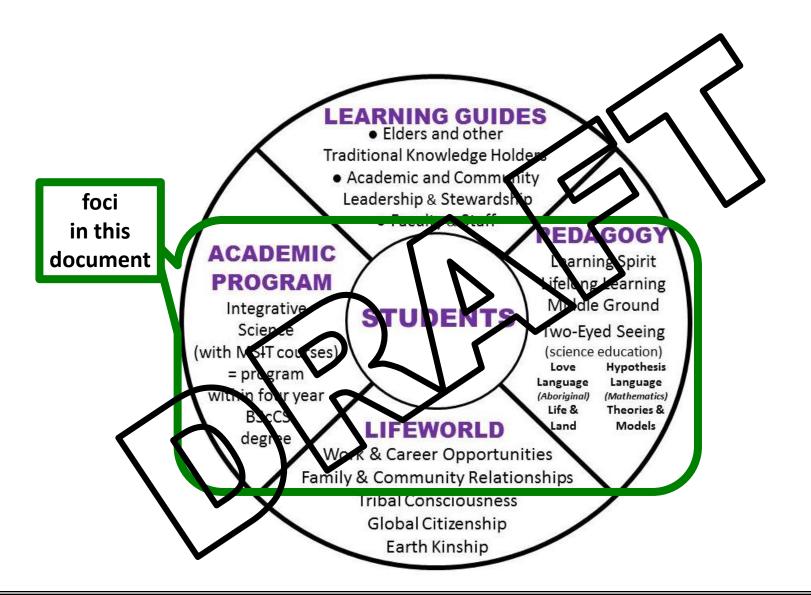


SUMMARY: This document, "supports required and relationships", highlights a report by that name released by the Assembly of First Nations (AFN) in 2012. The AFN report has been chosen because it provides substantial rationale, from the First Nations perspective, for the overall pedagogical, philosophical, and developmental approaches in Integrative Science. This document looks at two particular sections in the AFN report, drawing attention to specific insights and recommendations that Aboriginal communities and organizations are making with respect to supporting Aboriginal learners in PSE (post-secondary education). The first section from the AFN report emphasizes holistic approaches and outlines elements of best practices, indicating that integrating the strengths in Indigenous and Western knowledges i.e., Integrative Science guided by Two-Eyed Seeing) is an adaptive process and an element of great significance. It concludes by declaring that the "will" to support learners and to develop greater understandings of issues are key. Of additional and particular relevance for Integrative Science is the fact that his first section in the AFN report also highlights the First Nations Holistic Livelong Learning Model created in 2007 by the Aboriginal Learning Knowledge Centre AbLKC) within the Canadian Council on Learning (CCL). That model, which is metaphorically based on a living tree, bus long been used to help explain Integrative Science to diverse audiences across Canada. The (model's) tree's heartwood features Indigenous and Western knowledge side-by-side, as per the vision for Integrative Science (from 1997) and as guided by Two-Eved Seeing (since 2004); this document notes that Integrative Science was nationally recognized and selebrater by CCL in 2008 as an effective learning practice for Aboriginal learning. The second section (as explored herein) from the AFN report brings forward two visual models that specifically address First Nations success in education, indicating interconnectiveless as key. The second section concludes in pointing to the importance of education as originating in and tied to community – which revitalization of the BScCS degree will strive to do. The four areas where extra-curricular support is required are then outlined, namely re learners, recruitment, community stewardship, and faculty. The document concludes with the Atlantic Elders' recommendations for Traditional Knowledge from the APCFNC Elders Project.

Supporting First Nations Learners Transitioning to Post-Secondary



Supporting First Nations Learners Transitioning to Post-Secondary



Supporting First Nations Learners Transitioning to Post-Secondary*

a synoptic look at two major sections within an AFN 2012 report *

Outline



AFN 2012 Report: Table of Contents – two major sections for consideration



Building a Solid Foundation to Support First Nations Learner

- CCL First Nations Holistic Lifelong Learning Model: visual explanation
 - ❖ Integrative Science & Two-Eyed Seeing: positioning and congruency with CCL
- Commonalities and shared priorities all oss FN communities
- Key elements for student support: 3 COL community dialogues & HRSDC
- Program expansions: research by Malatest (2010)
- Conclusion for #1



Foundational Approaches to Support First Nations Transitioning to Higher Education

- ONECA concept: interrelated and recurring themes
- IEIC concept: continuous and interconnected relations
 - ❖ Integrative Science & Two-Eyed Seeing: congruency with ONECA & IEIC
- Conclusion for #2

^{*}http://www.afn.ca/uploads/files/education2/postsecondarytransitionsreport.pdf

Supporting First Nations Learners Transitioning to Post-Secondary*

a synoptic look at two major sections within an AFN 2012 report *

Assembly of First Nations Education, Jurisdiction, and Governance Supporting First Nation Leaviers Transitioning to Post Secondar

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*http://www.afn.ca/uploads/files/education2/postsecondarytransitionsreport.pdf

Supporting First Nations Learners Transitioning to Post-Secondary*

a synoptic look at two major sections within an AFN 2012 report *

- providing positioning and congruency context for Integrative Science * Two-Eyed Seeing -

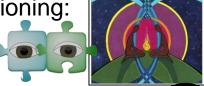


Building a Solid Foundation to Support First Nations Learners















Foundational Approaches to Support First Nations Transitioning to Higher Education











^{*} http://www.afn.ca/uploads/files/education2/postsecondarytransitionsreport.pdf



#1

Building a Solid Foundation to Support First Nations Learners

INTRODUCTION with focus on FN Lifelong Learning Model

Transitioning from secondary school to post-secondary is a major undertaking for any young person. For many First Nations learners, it usually requires moving away from family, friends and community to attend post-secondary studies as most post-secondary institutions are located outside First Nations communities. Ready of not, students will need to manage living on their own without the normal family and extended family supports most have become accustomed to from life on reserve. First Nations learners will also be required to manage their financial affairs living outside their communities which may be their very first experience with budgeting and financial management. How well they have prepared for the transition to post-secondary and now they are supported through their journey will ultimately determine their success.

There is a wealth of research to suggest the types opinitiatives needed to assist First Nations learners to succeed in education. This section will eveal a foundation on which to build understanding for the design of initiatives and approaches to support First Nations learners in post-secondary

It is important to first examine work compiled by the Canadian Council on Learning (CCL) from 2007. One of the products of the work was the creation of the First Nations holistic lifelong learning framework which examines the linkage and relationship between lifelong learning and complunity well-being.

UNAMA'KI



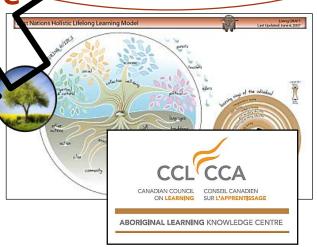
ABOUT THE FIRST NATIONS HOLISTIC LIFELONG LEARNING MODEL

The First Nations Holistic Lifelong Learning Model represents the link between First Nations lifelong learning and community well-being, and can be used as a framework for measuring success in lifelong learning.

The First Nations Holistic Lifelong Learning Model is a result of ongoing discussions among First Nations learning professionals, community practitioners, researchers and analysts. For a complete list of individuals and organizations that have contributed to the development of this learning model, visit www.ccl-cca.ca.

THE MODEL – patterned as a living to each

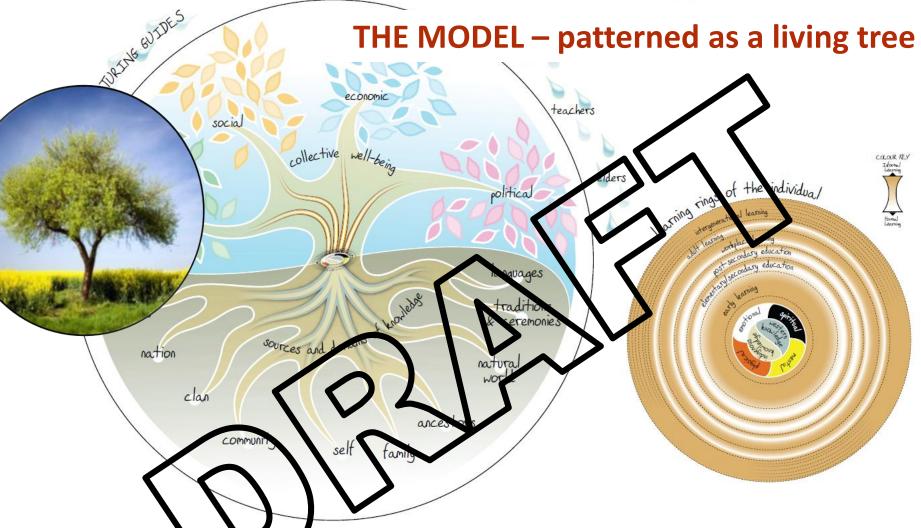
For First Nations people, the purpose of learning is to honour and protect the earth and ensure this long term sustainability of life. To illustrate the organic and self regenerative nature of First Mations learning, the Holictic Lifelong Learning Model uses a stylistic graphic of a living tree. The tree depicts the cycles of learning for an individual and identifies the influences that affect individual learning and collective well-being.



from: Aborigina Learning Knowledge Centre - Canadian Council on Learning

http://www.ccl-cca.ca/ccl/Reports/RedefiningSuccessInAboriginalLearning/RedefiningSuccessModelsFirstNations.html



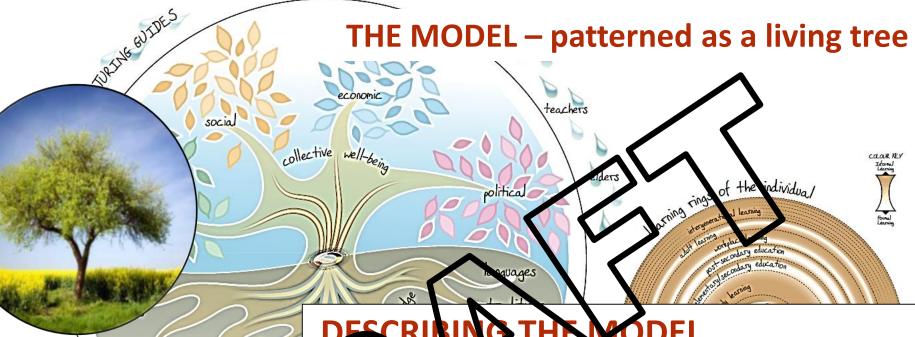


from: Aboriginal Learning Knowledge Centre - Canadian Council on Learning

http://www.ccl-cca.ca/ccl/Reports/RedefiningSuccessInAboriginalLearning/RedefiningSuccessModelsFirstNations.html



Living DRAFT Last Updated: June 6, 2007



First Nations learner dwells in a world of continual nation, where interactive cycles, rather than connected events, occur. In this world, nothing is ly a cause or an effect, but the expression of the nter connectedness of life. These relationships are circular, rather than linear, holistic, and cumulative rather than compartmentalized. The mode of learning for First Nations people reflects and honours this understanding.

s/Redefini http://www.ccl-cca.ca/ccl/Re

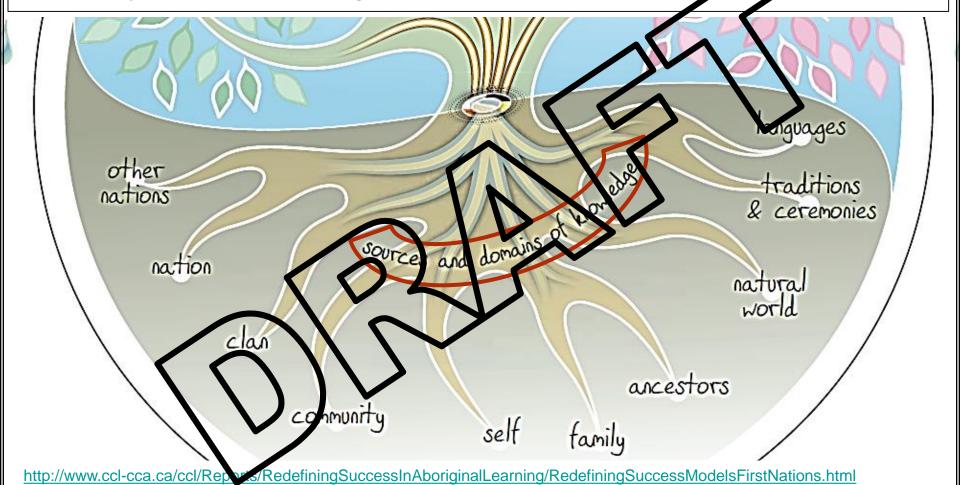
nation

clan

ROOTS

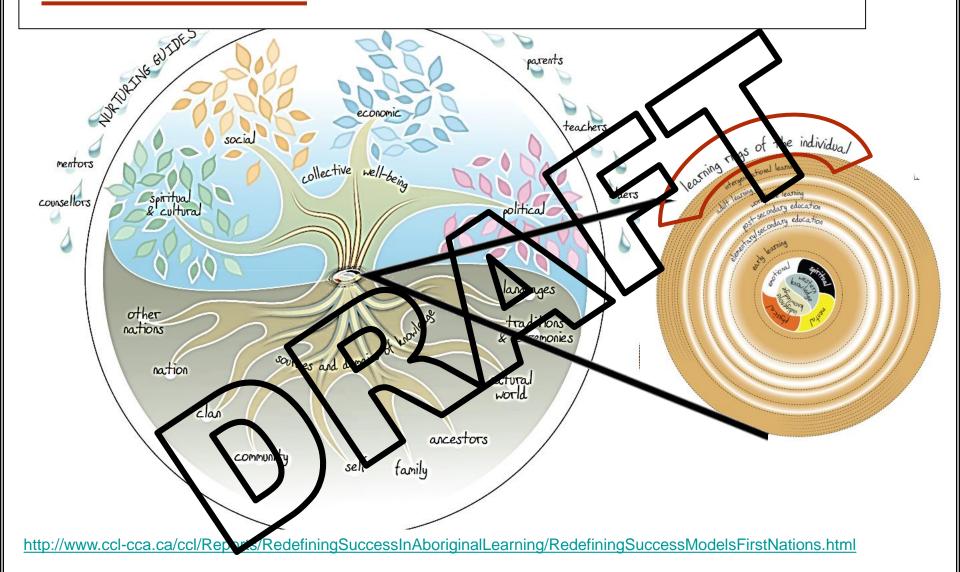
Lifelong learning for First Nations peoples is grounded in experiences that embrace both indigenous and Western knowledge traditions, as depicted in the tree's root system, "Sources and Domains of Knowledge". Just as the tree draws nourishment through its roots, the First Nations person learns from and through the natural

world, language, traditions and ceremonies, and the world of people (self, family, ancestors, clan, community, nation and other nations). Any uneven root growth can de-stabilize the learning system. The root system also depicts the intertwining presence of indigenous and Western knowledge, which forms the tree trunk's core, where learning develops.



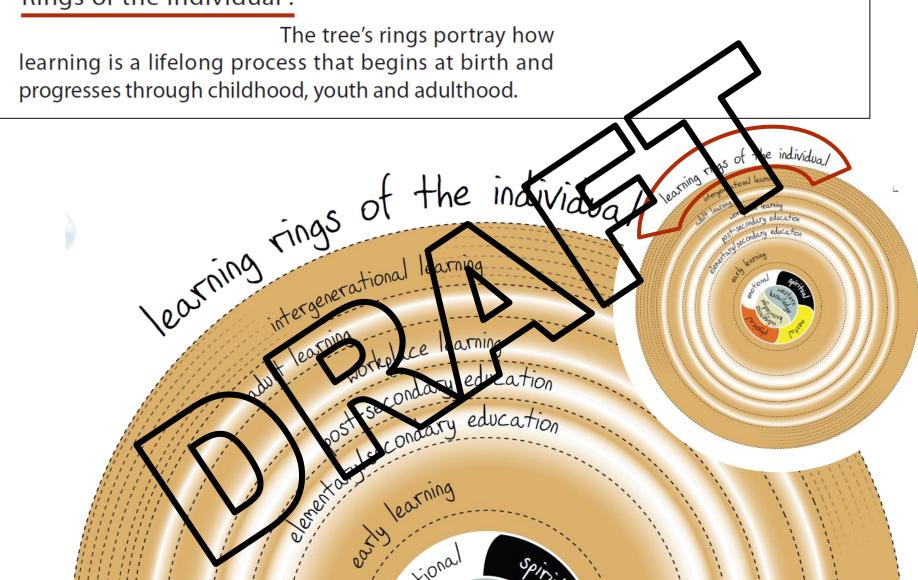
TRUNK RINGS - different life stages – Learning Rings

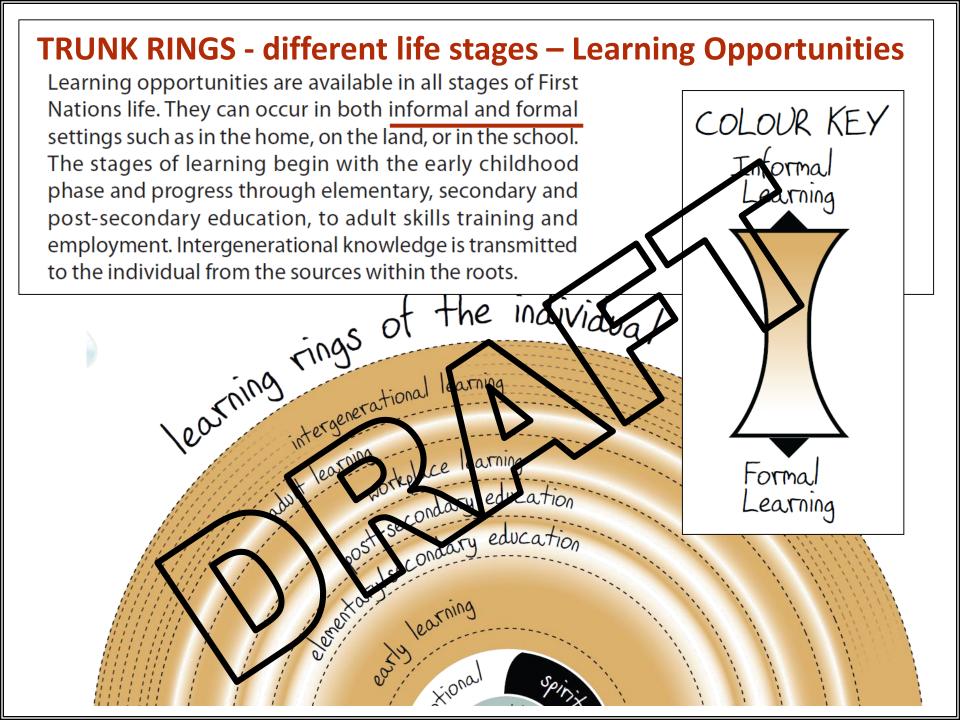
A cross-sectional view of the trunk reveals the "Learning Rings of the Individual".

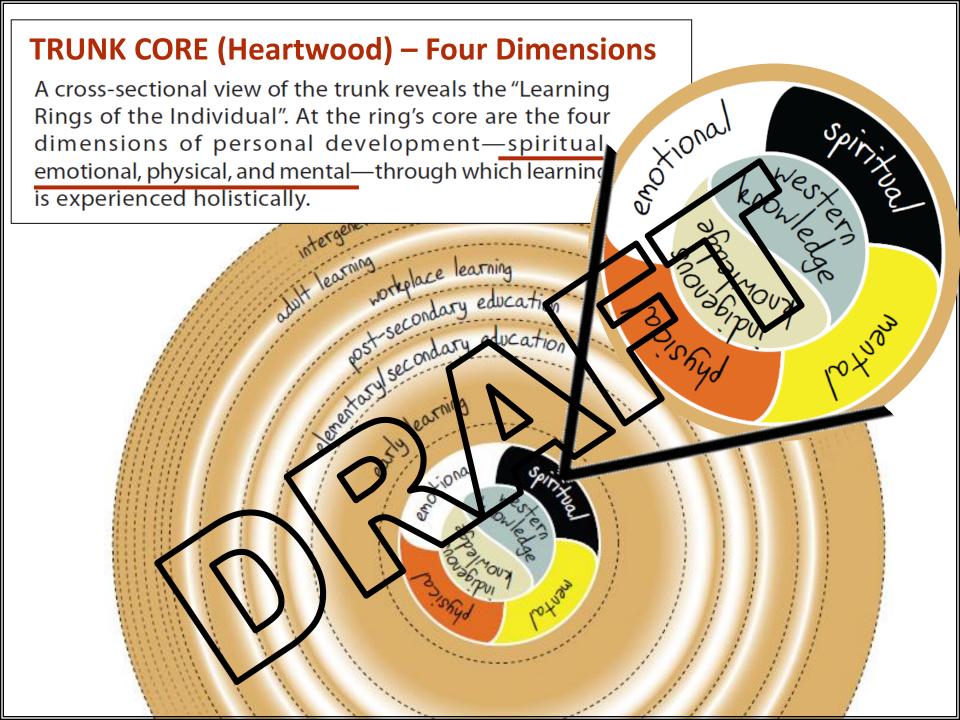


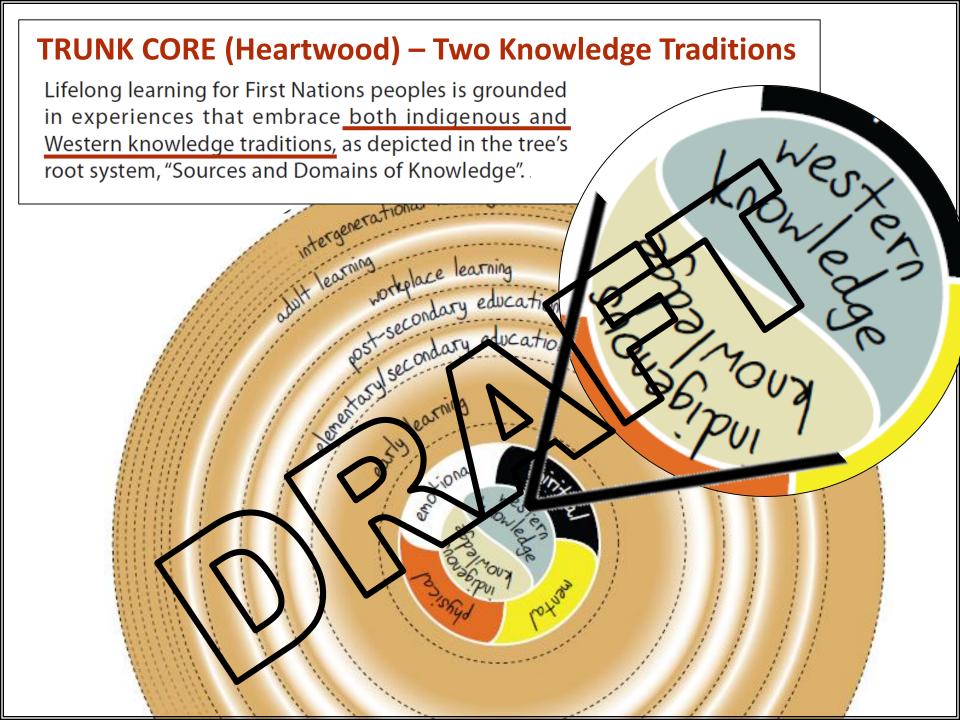


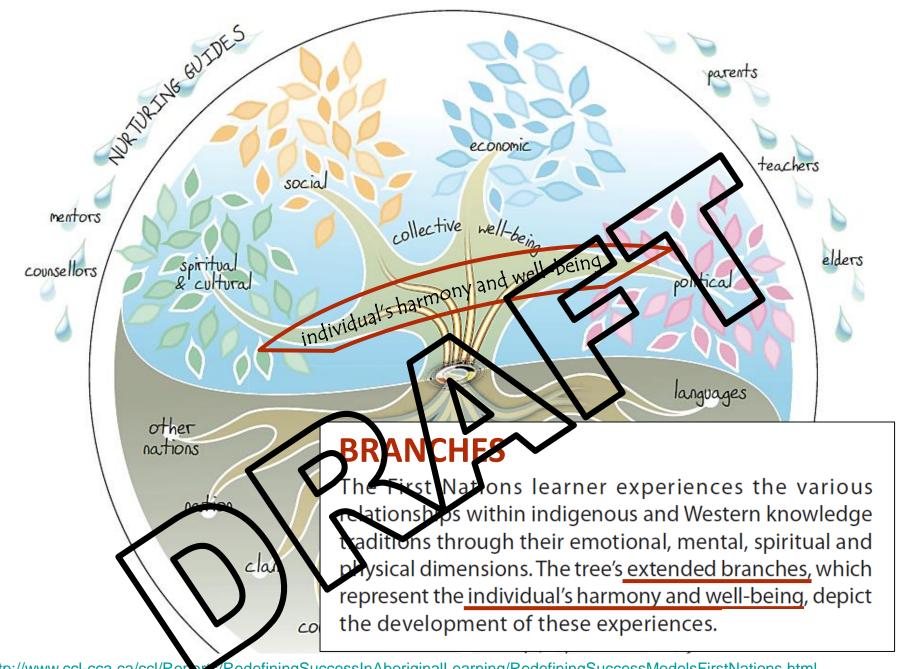
A cross-sectional view of the trunk reveals the <u>"Learning</u> Rings of the Individual".



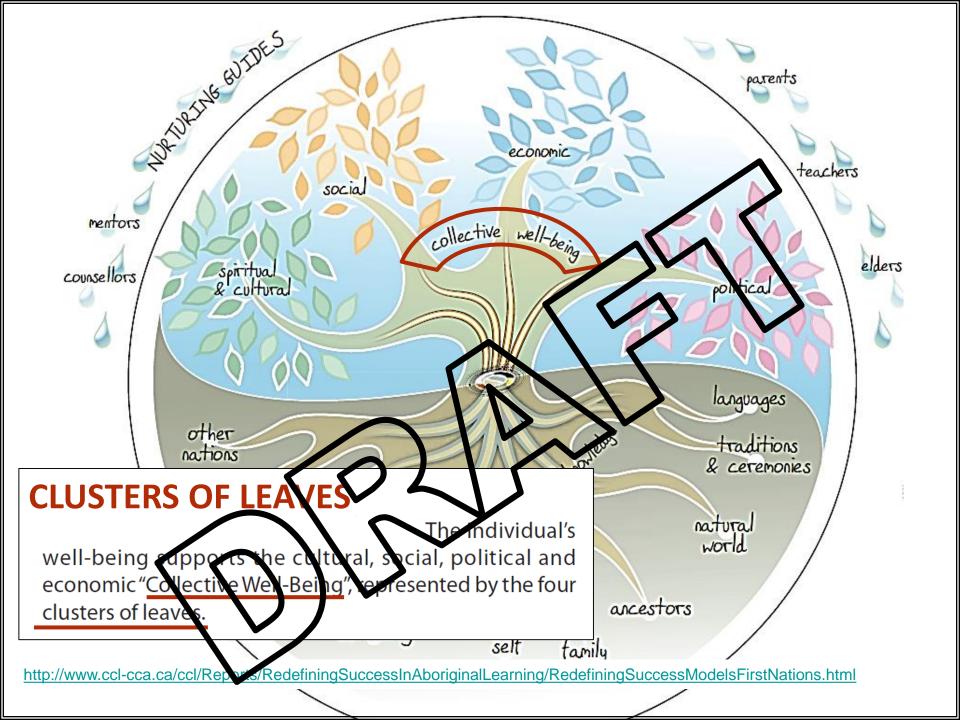


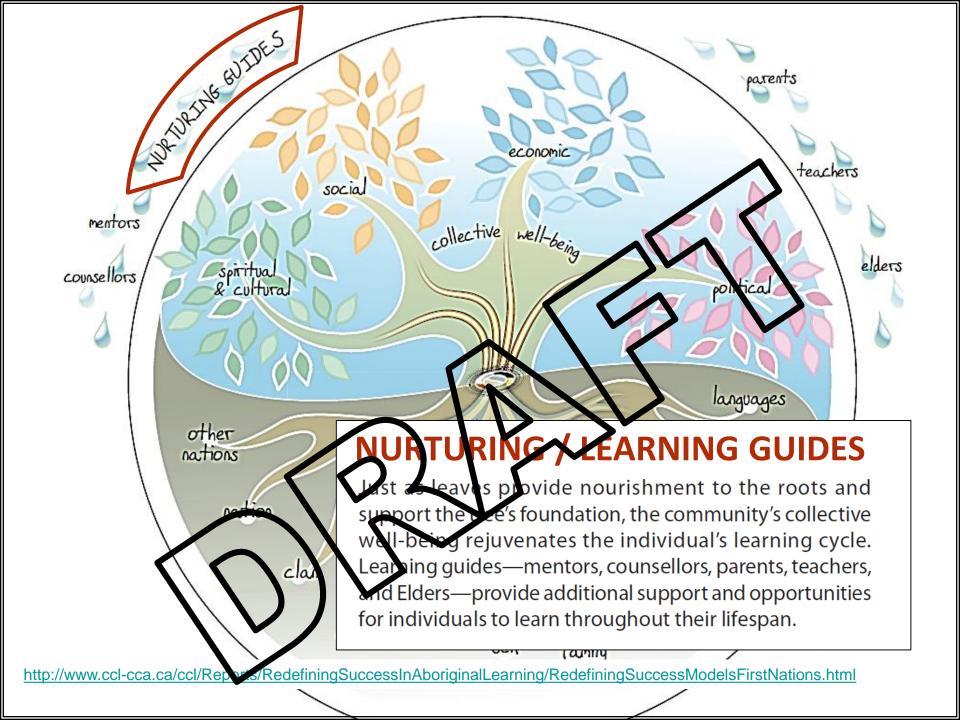


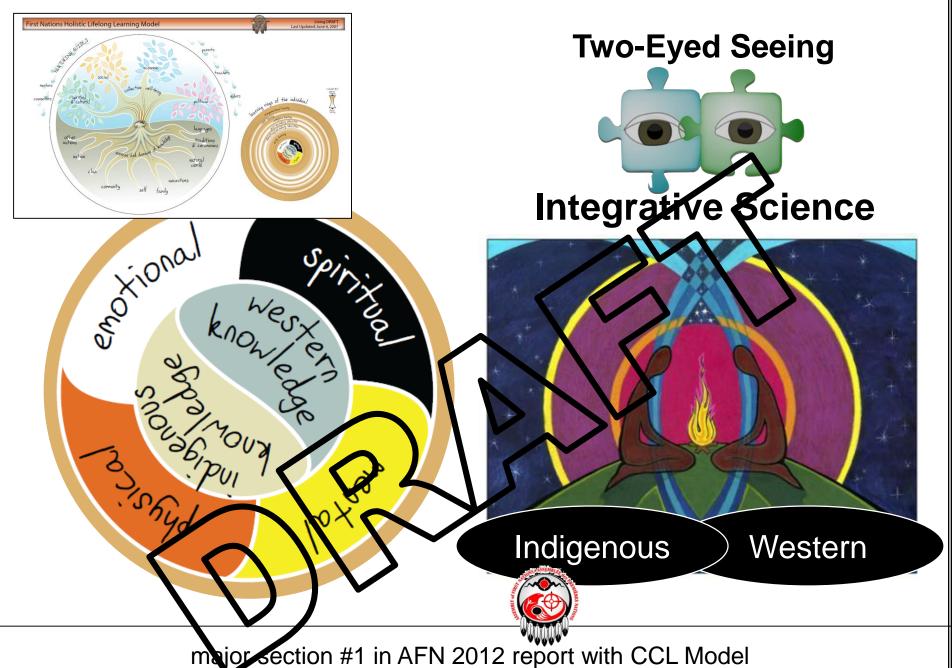




ts/RedefiningSuccessInAboriginalLearning/RedefiningSuccessModelsFirstNations.html http://www.ccl-cca.ca/ccl/Rep

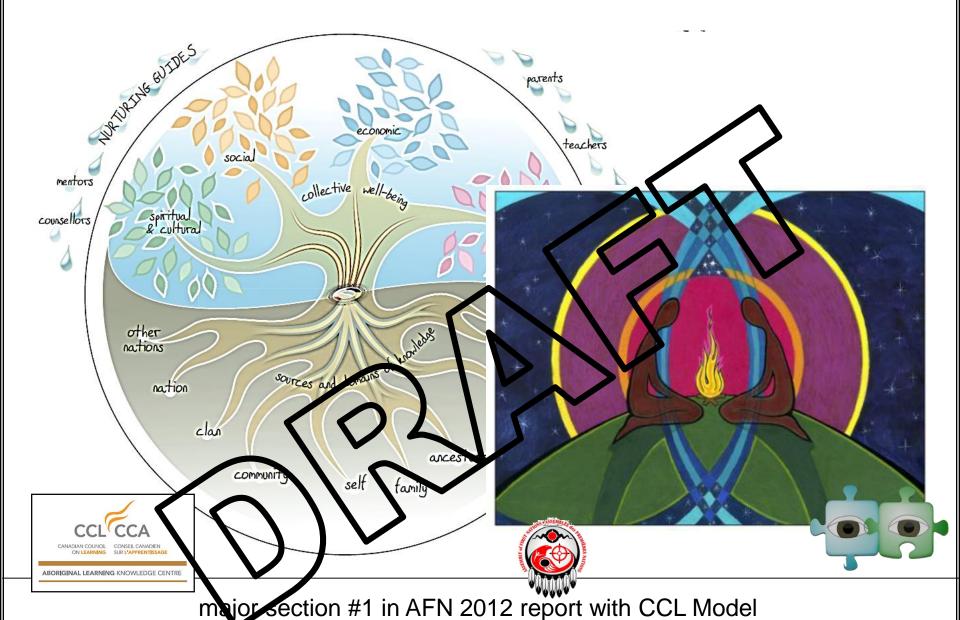






- providing positioning and congruency contexts for Integrative Science & Two-Eyed Seeing -

Integrative Science & Two-Eyed Seeing: positioning and congruency with CCL



- providing positioning and congruency contexts for Integrative Science & Two-Eyed Seeing -



Mi'kmaq Studies/ Integrative Science Program

Overview

The vision of the Togwa'tu'kl Kjijitagnn/ Integrative Science Program is to bring together modern Western sciences and the Mi'kmaw conceptual world view. Given the label "MSIT" (a Mi'kmag word meaning everything together).

rses taught at Cape Breton University ze relationships within nature, and dge the profound knowledge of such nips as they are reflected in Mi'kma e and legends. Course con ately 80–85% Western/ ainstream

Innovation

Integrative science courses include:

- · Sense of Place, Emergence and Participation: the exploration of human consciousness including its brain-basis as understood in modern neuro and cognitive as well as the traditional world views of Appriginal people
- Ways of knowing: the exploration of ways lowing about and living within nature, ding Traditional Ecological Knowledge

Learning Practices

2008 Program Descriptions

CANADIAN COUNCIL CCL CCA COL

tegrative Science conferred national awa d or recognition by CCL in 2008

Objectives

 address the low participation rate by Mi'kmag students in the post-secondary sciences and science-related programs

ntent is

nstream

· address the lack of acknowledgement by

- OF KHOWING ADOUL AND HVING WITHIN HATHER, including Traditional Ecological Knowledge (TEK) and modern ecosystem stewardship
- Cycles and Holism: human understandings of cycles, rhythms and transformations in nature, including western science and Aboriginal conceptual world views
- · Wholeness: human understandings of wholeness and change in nature by exploring the topics of health, disease and



cca.ca/pdfs/SharingFlame/SharingTheFlame2009_EN_11dec.pdf

Supporting First Nations Learners Transitioning to Post-Secondary





Building a Solid Foundation to Support First Nations Learners (cont'd)

The creation of the First Nations holistic lifelong learning framework was followed by three community dialogues hosted jointly by the CCL and the Assembly of First Nations. The purpose of the community dialogues was to test bow the First Nations holistic lifelong learning framework could be used to help address learner needs. The communities selected for the dialogues included Whitehorse, Yukon, Onion Lake, Saskatchewan and Nipissing, Ontario. Given the geographic and culturally/linguistic differences of the participating communities, the findings revealed strong commonalities and shared priorities across the communities. They were:

(pages 20-21)

- 1. To we in safe, healthy communities living in balance only ical mental,
- 2. Increase parent and comunity invovement by providing opportunities for learning through teaching of traditional values throughout the lifespan; in the home, a sociool (including Early Learning), on the land and in the community and workplant.
- 3 Understanding and becoming aware 6. generational ties through clan/kinship
- In ease the us, and flue, y of their languages among learners of all ages and in all ages of companity life;
- 5 Ensuring the active and meaningful engagement of Elders throughout the ommulity, as teachers, decisions makers and role models;
- Poviding more learning spaces to facilitate the transfer of historical, linguistic, cultural and the agencies knowledge:
- 7. B ilding trusting relationships through consistent communications with all tencies, organizations and families:
- 8 horeasing community understanding of the roles and responsibilities of their territorial stewardship, through experiencing the teachings on and from the land;
- Provide mentoring/employment opportunities for all professions and for all community members, with a focus on the youth.³³

These are all important considerations which provide a foundation for the design, development and implementation of programs and services to assist students throughout the lifelong learning journey.

Strong Commonalities and Shared Priorities across FN Communities

- To live in safe, healthy communities living in balance (physical, mental, emotional and spiritual);
- Increase parental and community involvement by providing opportunities for learning through teaching of traditional values throughout the lifespan; in the home, at school (including Early Learning), on the land and in the community and workplace;
- Understanding and becoming aware of our generational ties through clan/kinship and genealogy;
- 4. Increase the use and fluency of their languages among learners of all ages and in all areas of community life;
- 5. Ensuring the active and meaningful engagement of Eldersthroughout the community, as teachers, decisions makers and role models;
- 6. Providing more learning spaces to facilitate the transfer of historical, linguistic, cultural and Indigenous knowledge;
- 7. Building trusting relationships through consistent communications with all agencies, organizations and families:
- Increasing community understanding of the roles and responsibilities of their territorial stewardship, through experiencing the teachings on and from the land;
- Provide mentoling/employment opportunities for all professions and for all community men bers, with a focus on the youth.³³

These are all important considerations which provide a foundation for the design, development and implementation of programs and services to assist students throughout the lifelong learning journey.

Supporting First Nations Learners Transitioning to Post-Secondary

(page 21)

HRSDC, Best Practices in Aboriginal Adult Education, June 29, 2010, 18

Research commissioned by Human Resources and Skills Development Canada (HRSDC) in 2010 reinforces the findings of the CCL work. Best practices in Aboriginal adult education identified in the research found the following key elements necessary to address the issue of support student:

- 1. Holistic: It engages and develops all aspects of the individual Yemotional, physical, spiritual and intellectual) and the community, and stresses the interconnectedness of all life under the Creator.
- 2. Lifelong: It begins before birth and continues through old age and involves the intergenerational transfer of knowledge.
- 3. Experiential: It is connected to live experience and reinforced by traditional ceremonies, meditation, sterytelling observation and imitation.
- 4. Rooted in Aboriginal languages and cultures. It is bound to language, which conveys a community's unique values and worldview while ensuring cultural continuity.
- 5. Spiritually briented: It possesses a spiritual element which is fundamental to the learner's path to knowledge. This is manifested in spiritual experiences such as celemonies, vision guests and dreams.
- 6. Communal activity: It is a communal process in which parents, family, Elders and community have a role and responsibility.
- 7. Integrates Aboriginal and Western knowledge: It is an adaptive process that draws from the best of traditional and contemporary knowledge. 34

(page 22)

AND MAIN COMMENTS WITH THE PROPERTY OF THE PRO

⁴ HRSDC, Best Practices in Aboriginal Adult Education, June 29, 2010, 18

The HRSDC (2010) report also recommends.

Recognizing and facilitating the provision of student support services:

The provision of student support services should be viewed by service providers, funders and policy makers as part of a holistic approach to providing Aboriginal adult education in Canada and should be integrated within each institution and program. Specific funding for those student support services may be required above and beyond standard curriculum delivery tosts.

Providing stable, consistent and predictable institution/program funding: Future policy discussion or debate concerning Aboriginal adult education would benefit from the inclusion of long-term, stable institutional/program funding as an important topic for consideration.

Supporting First Nations Learners Transitioning to Post-Secondary

(page 22)

These foundational perspectives offer guidance for policy makers, educational institutions, educators and others in understanding the significant elements important to First Nations peoples. In consideration of the existing supports, research of colleges and universities in Ontario (Malatest, 2010) revealed the need for program expansions such as the following:

- Hiring Aboriginal recruitment officers as well as student rich management officers to better support students. Emphasis was also placed on developing the capacity to support students with disabilities. In addition, stakeholders wanted to maintain consistency in their service delivery by being able to hire staff on a long-term basis.
- Developing or expanding mentorship programs in order to guide Aboriginal students.
- Launching new programs for students during the summer, including an Aboriginal orientation program (to help students prepare for the transition).
- Creating more partnerships with First Nations communities.
- Building an e-meeting from. This would be a place where students could use and learn about technology in a comfortable environment.
- Securing a commitment and long-term funding to build a specialized residence to house Aboriginal students in cities where vacancy rates are low.³⁵

Malatest, R. A. Promising Practices: Increasing and Supporting Participation for Aboriginal Students in Ontario, Higher Education Quality Council of Ontario, 36

Supporting First Nations Learners Transitioning to Post-Secondary





CONCLUSION (page 22)

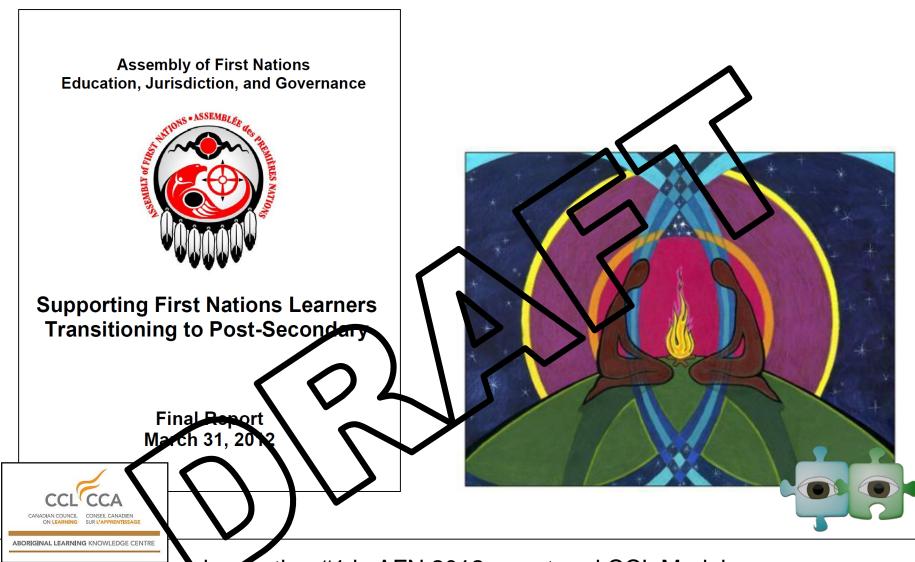
Building a Solid Foundation to Support First Nations bearings

The needs have been documented. Recommended action has been tocumented. The 'will' to support First Nations learners is necessary. Greater anderstanding of the issues can lead to the effective design, development and implementation of initiatives to address transitions, access, retention and success of hirst Nations learners in education.

The primary role of holistic balance dearning systems is to transmit First Nations ancest al Janguages, traditions, cultures and histories while at the same time preparing and making accessible to the learner the support and tools that will allow them to achieve their full potential in any setting they choose.

Action for First Vations Post-Secondary Education: Access, Opportunity, and Outcomes, 2010

Integrative Science & Two-Eyed Seeing: positioning and congruency



major section #1 in AFN 2012 report and CCL Model

- providing positioning and congruency contexts for Integrative Science & Two-Eyed Seeing -

Supporting First Nations Learners Transitioning to Post-Secondary



INTRODUCTION

(page 34)

Foundational Approaches to Support First Nations Transitioning to Higher Education

The interconnectedness of First Nations individuals to their families and their communities requires understanding before considering the design and development of supports to assist First Nations learners on their educational journey. This interconnectedness is demonstrated through the work of the Ontario Native Education Counselling Association (ONECA) and in the work of the indigenous Education Institute of Canada at the University of British Columbia

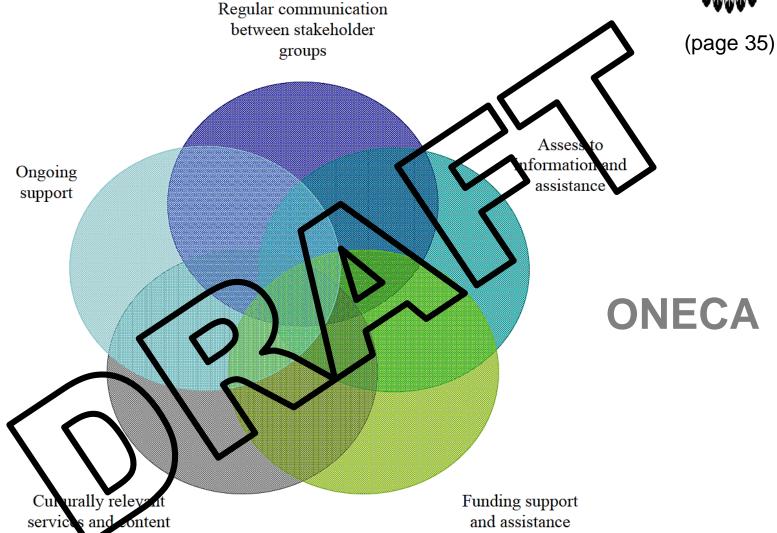
ONECA commissioned research to examine the supports needed to assist students with transitions to post-secondary. The research found several interrelated and recurring themes, highlighting the need for regular communication between all stakeholder groups (students, parents, educators, administrators, counsellors and other support staff). The interrelated and recurring themes are illustrated in the following diagram.

on next page

(cont'd from page 34)

interrelated and recurring themes – work of ONECA



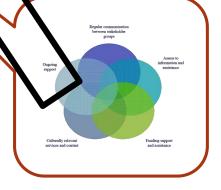


⁶⁷ Hill, Aboriginal Students Transitions Project, Ontario Native Education Counselling Association, March 2011, 51

In addition to the <u>recurring themes</u>, ONECA found the need for, "frequent and continuous monitoring by the support team (teachers, counselors, advisors, faculty, tut mentors employers) from the communit right through to post-secondary graduation"68 to assist in the retention an graduation of Aboriginal learners in postsecondary. The organization found is not enough just to assist Filet Nations students to 'access' post-secondary education. The network of student supports must also continue throughout post-secondaly and straight through to graduation

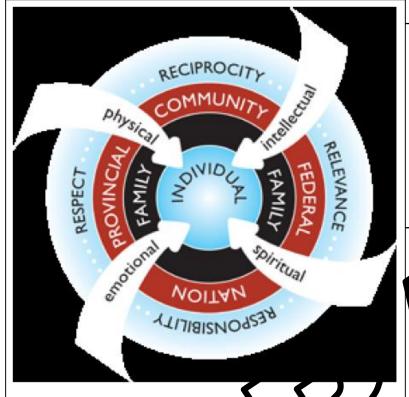


(page 35)



ONECA

IEIC (Indigenous Education Institute of Canada, UBC)



- Physical, intellectual, emotional, spiritual
- Relations

 individual family community government
- 4 Rs
 respect, reciprocity, relevance, responsibility

(pages 35-36)

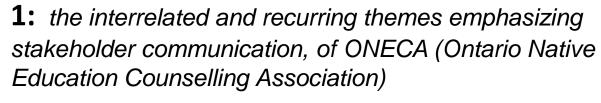
The Indigenous Education Institute of Canada at UBC examined factors affecting decisions of First Nations learners to enter in graduate studies. This research resulted in the creation of an Indigenous holistic framework which

reinforces the need for a continuous and interconnected approach. The framework illustrates that, the considerations and relationships found to be necessary to support student transitions to graduate studies. The components of the framework include consideration of the physical, intellectual, emotional and spiritual being, the importance of relations with family, community and governments, as well as the need for respect, reciprocity, relevance and responsibility.⁶⁹

⁶⁹ University of British Columbia, *Aboriginal Transitions: Undergraduate to Graduate (AT:U2G), Community Report #1, Summary of Phase 1 Research Findings*

Foundational Approaches to Support First Nations Transitioning to Higher Education







(page 36)



2: the continuous and interconnected approach of 4 Dimensions + Relations (individual / family / community / government) + 4 Rs (respect, reciprocity, relevance responsibility), of IEIC (Indigenous Education Visitate of Canada, UBC)

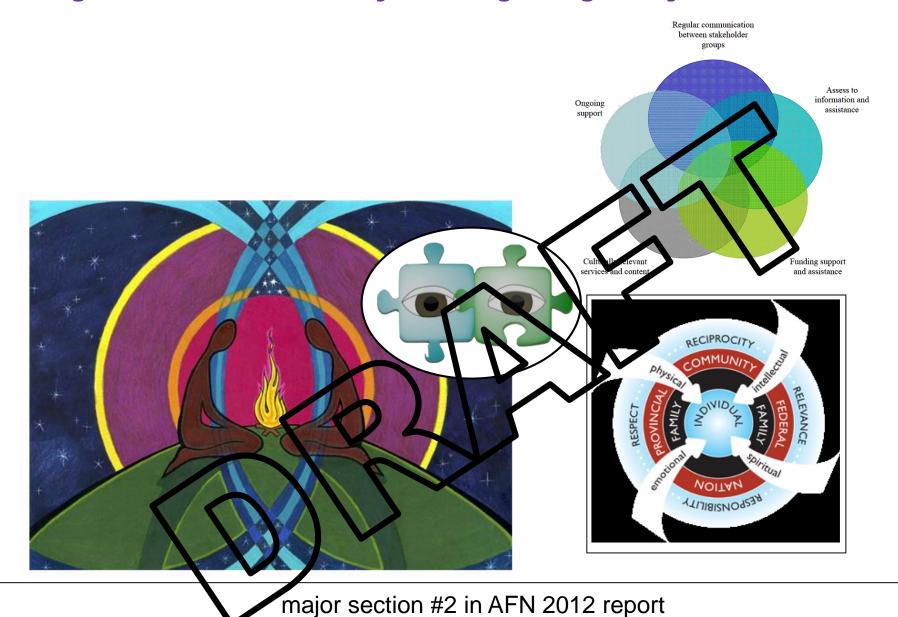
CONCLUSION

These two concepts have been developed to specifically address First Nations success in education. The common elements demonstrate the interconnectedness that must be considered to design and develop effective approaches to foster the success of First Nations learners in post-secondary

The other important element to highlight with regard to these two foundation approaches is summed up very nicely by S. Brenda Small, Negahneewin College. She says,

3: "It is very important to think about our work as originating in the community because it is those kinds of processes that will take root and will effect long-term change for the overall social justice needs of our communities."

Integrative Science & Two-Eyed Seeing: congruency with ONECA & IEIC



- providing positioning and congruency contexts for Integrative Science & Two-Eyed Seeing -

CO-LEARNING for Two-Eyed Seeing

learning our strengths and learning together

CONCEPTS and ACTIONS (epistemologies)

- respect
- relationship
- reverence
- reciprocity
- ritual (ceremony)
- repetition
- responsibility

J. Archibald, 2001, Can. J. Native Ed. 25(1):1-5

- the question
- hypothesis (making & testing)
- data collection
- data analysis
- model & theory construction

CO-LEARNING for Two-Eyed Seeing

learning our strengths and learning together

KNOWL

KNOWLEDGE OBJECTIVES

collective, living
knowledge to enable
nourishment of one's journey
within expanding sense of
"place, emergence and
participation" for collective
consciousness and
interconnectiveness

tynamic, testable, published knowledge independent of personal experience that can enable prediction and control (and "progress")

vards resortance of ling within environment

'owar as construction of und standing of environment

CO-LEARNING for Two-Eyed

learning our strengths and learning

METHODOLOGIES

weaving of patterns within nature's patterns via creative relationships and reciprocities among love, land, and life (vigour) that are constantly minforced and nourished by Aboriginal languages

un weaving of nature's patterns (especially via analytic logic and the use of instruments) to cognitively reconstruct them, especially using pathematical language (rigour) and computer models

ARNING for Two-Eyed Seeing

learning our strengths and learning together

ATURAL WORLD (ontologies)

All my Relations

beings ...
interconnective
and animate:
spirit +
energy + matter

with

CONSTANT CHANGE
within balance and wholeness

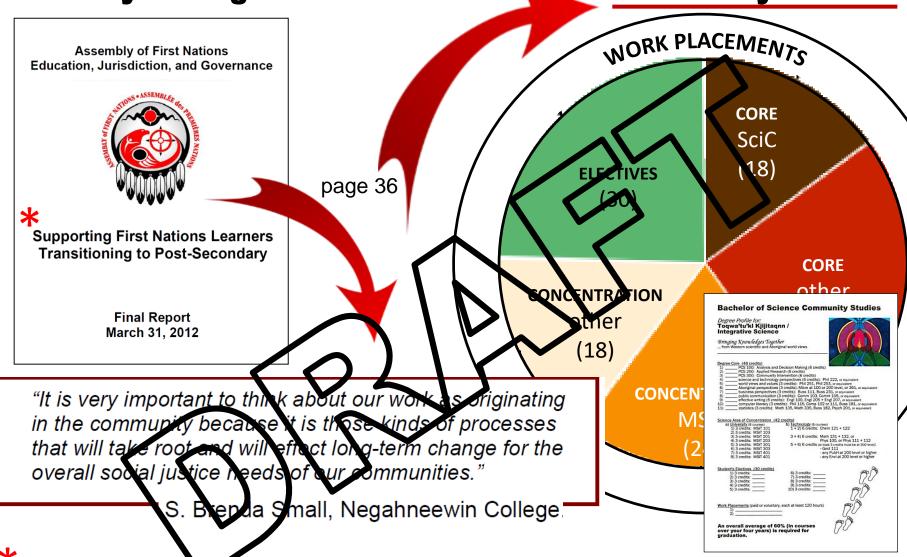
parts & wholes

objects ...
comprised of parts and
wholes characterized by
systems and emergences:

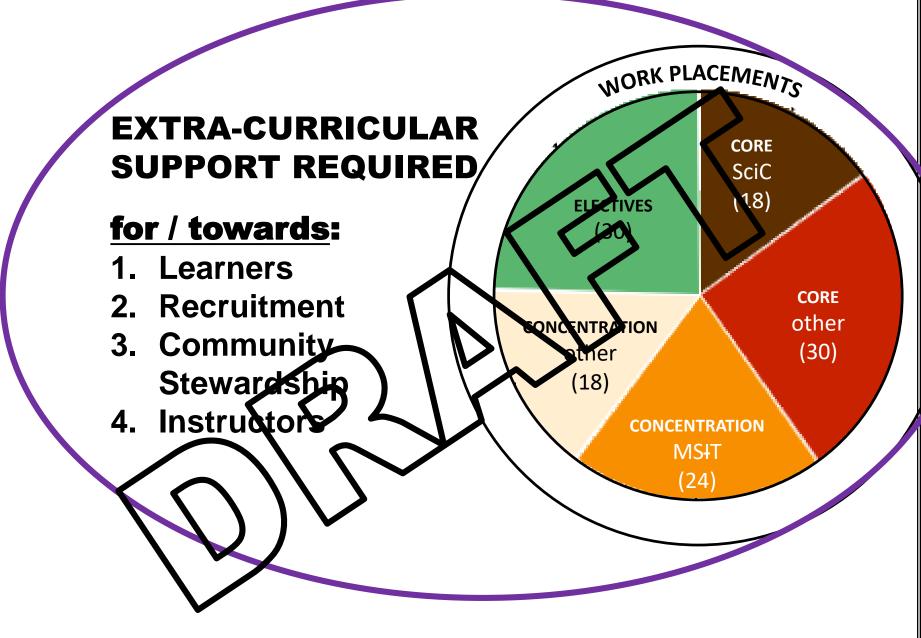
energy + matter

with EVOLUTION

within 4 year degree Bachelor of Science Community Studies

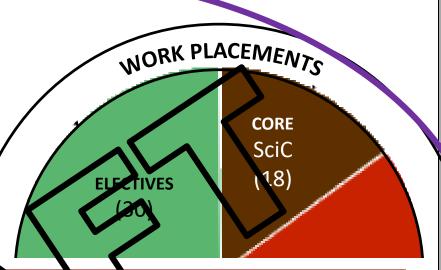


http://www.afn.ca/upl.ads/files/education2/postsecondarytransitionsreport.pdf



EXTRA-CURRICULAR SUPPORT REQUIRED

1. Learners



The primary role of holistic balanced learning systems is to transmit First Nations ancestral languages, traditions, cultures and histories while at the same time preparing and making accessible to the learner the support and tools that will allow them to achieve their full potential in any setting they choose.

Taking Action for Filst Nations Post-Secondary Education: Access, Opportunity, and Outcomes, 2010

EXTRA-CURRICULAR SUPPORT REQUIRED

1. Learners

Assembly of First Nations Education, Jurisdiction, and Governance



Supporting First Nations Learners Transitioning to Post-Secondary

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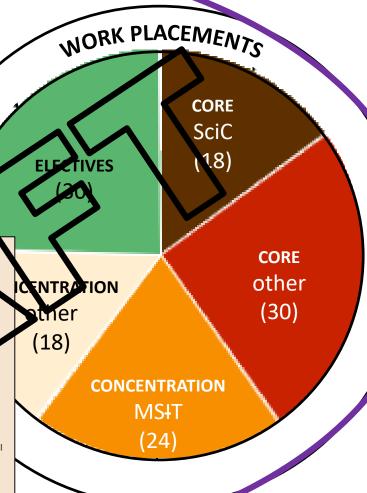
The Mi'kmaw Kina'matnewey (MK)84 of Nova Scotia is anot organizations committed to taking action to enhance the transitions of First Nations learners wishing to pursue po--secondary educa found that best practices in supporting learners can be ca Attraction, PSE Programming, Areas of Support, Data Col ction a Collaboration and Communication. 85 Research to guide th supporting their students suggests

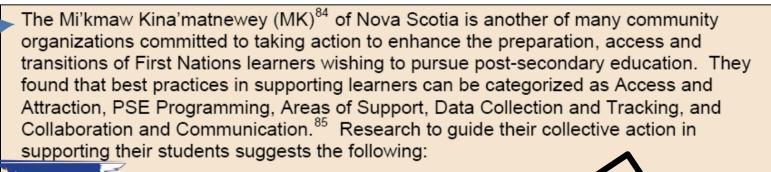
- 1. continuing to suppor es in prom original communi ting the importance higher education chieving quality jobs nd autono y for their com
- e pamph e practio so be directed towards students view a PSE as a
- nmunity level that prepare students for a full
- ons establish flexible admission policies that s of Aboriginal students without lowering Admissions standards should evaluate students on a as as transcripts, life experiences,

enlarged on next page

ns reserve seats in high demand, if not all, ne specific needs of the Aboriginal

coordination committees in each First Nations community to set and plement priorities around key community-driven programs⁸⁶





- continuing to support Aboriginal communities in promoting the importance of higher education in achieving quality jobs and autonomy for their communities through career fairs and information sessions
- 2. using proactive recruitment practices such as informative pamphlets, websites and summer camps to attract prospective students. These practices should be directed towards Aboriginal males as well as remains with dependants, as these groups are typically underrepresented in PSE, and inform students of high demand areas of employment within their community to help them better choose a reliable course of study in PSE. Recruitment should also be directed towards Aboriginals at an early stage in their schooling, so that students view a PSE as a realistic option for their future.
- 3. offering transition programs at the community level that prepare students for a full academic course load in PSE
- 4. insisting that post-secondary institutions establish flexible admission policies that address the special circumstaters of Aboriginal students without lowering admissions standards. Admissions standards should evaluate students on a belistic level by considering such things as transcripts, life experiences, references and interviews
- inhisting that post secondary institutions reserve seats in high demand, if not all, post-secondary programs that meet the specific needs of the Aboriginal community, and
- Allowing coordination committees in each First Nations community to set and implement priorities around key community-driven programs⁸⁶

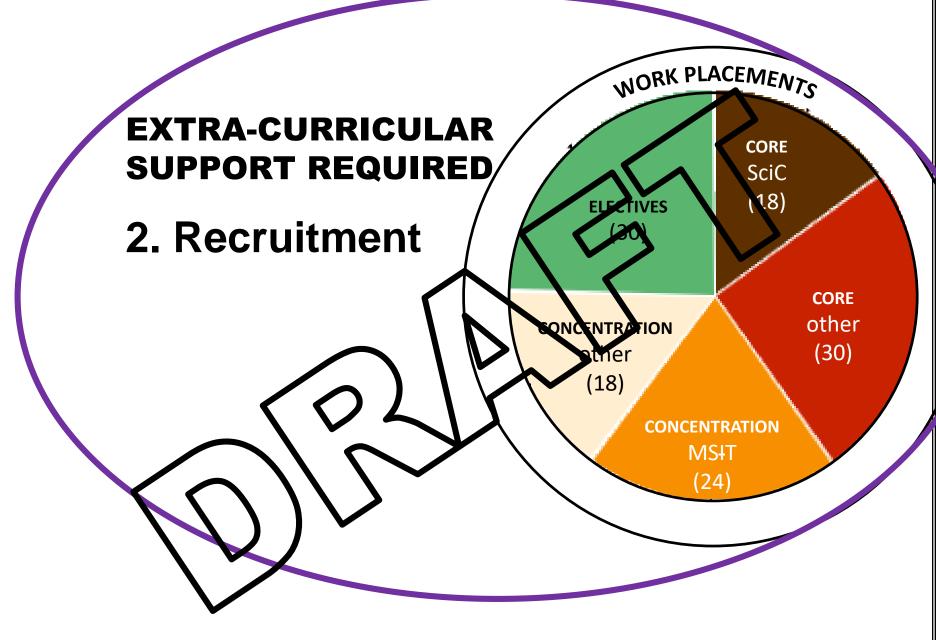
Assembly of First Nations Education, Jurisdiction, and Governance



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EXTRA-CURRICULAR SUPPORT REQUIRED

2. Recruitment

Assembly of First Nations Education, Jurisdiction, and Governance



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The Mi'kmaw Kina'matnewey (MK)⁸⁴ of Nova Scotia is anoth of man, sommunity organizations committed to taking action to enhance the reparation, access and transitions of First Nations learners wishing to pursue potr-secondary educates. They found that best practices in supporting learners can be categorized as Access and Attraction, PSE Programming, Areas of Support, Data Collection and Sacking, and Collaboration and Communication. Research to guide their collective action in supporting their students suggests the sacking:

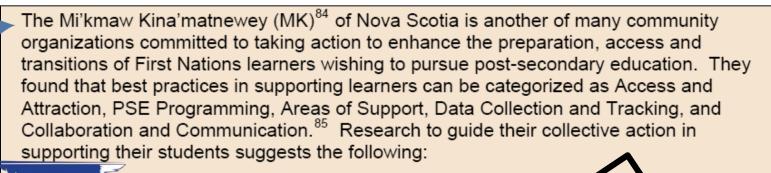
- continuing to support deoriginal communities in promiting the importance higher education is achieving quality jobs and autonomy for their communities through caree vairs and information sessions.
- 2. using produce recruit cent practices such as informative pamph, its, websites and summit camps to a tract prospective students. These practices should be directed towards Aborigin Voiales as well as less else with dependents, as these groups are typically underrepresented in PSE, and reservistionents of high demand areas of employment within their community to up them better choose a reliable ourse it is tudy in PSE. Reservitment should also be directed towards. Aboriginals to an early stage in their schooling spanial students view a PSE as a realistic option for their future.
- On ring transitio programs at the community level that prepare students for a full acad mic course pad in RSE
- 4. insistile that post econdary institutions establish flexible admission policies that address the special circums uses of Aboriginal students without lowering admissions standards should evaluate students on a scripts, life experiences,

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/e seats in high demand, if not all, c needs of the Aboriginal

6. all ring coordination committees in each First Nations community to set and implement priorities around key community-driven programs 86

WORK PLACEMENTS **CORE** SciC 18) **CORE** other CENTRATION (30)ather (18)CONCENTRATION MSIT



- continuing to support Aboriginal communities in promoting the importance of higher education in achieving quality jobs and autonomy for their communities through career fairs and information sessions
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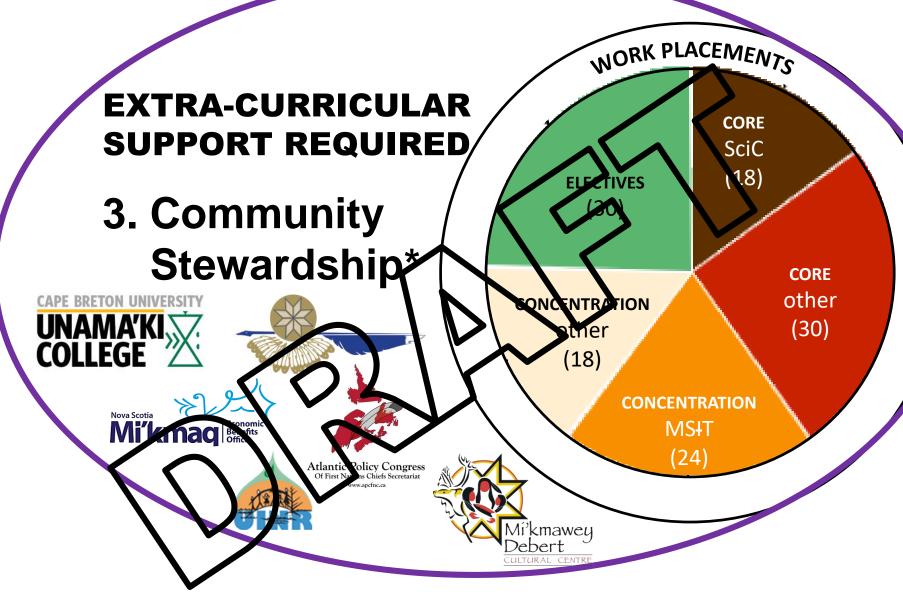
Assembly of First Nations Education, Jurisdiction, and Governance



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^{*} example possibilities only; formal outreach TBD

Supporting First Nations Learners Transitioning to Post-Secondary

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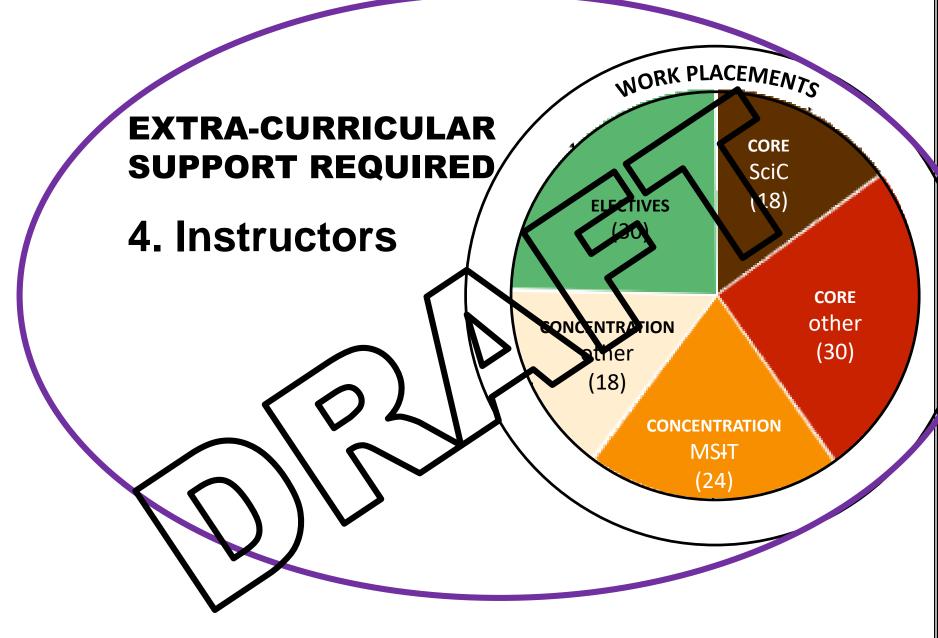
http://www.afn.ca/uploads/files/education2/postsecondarytransitionsreport.pdf

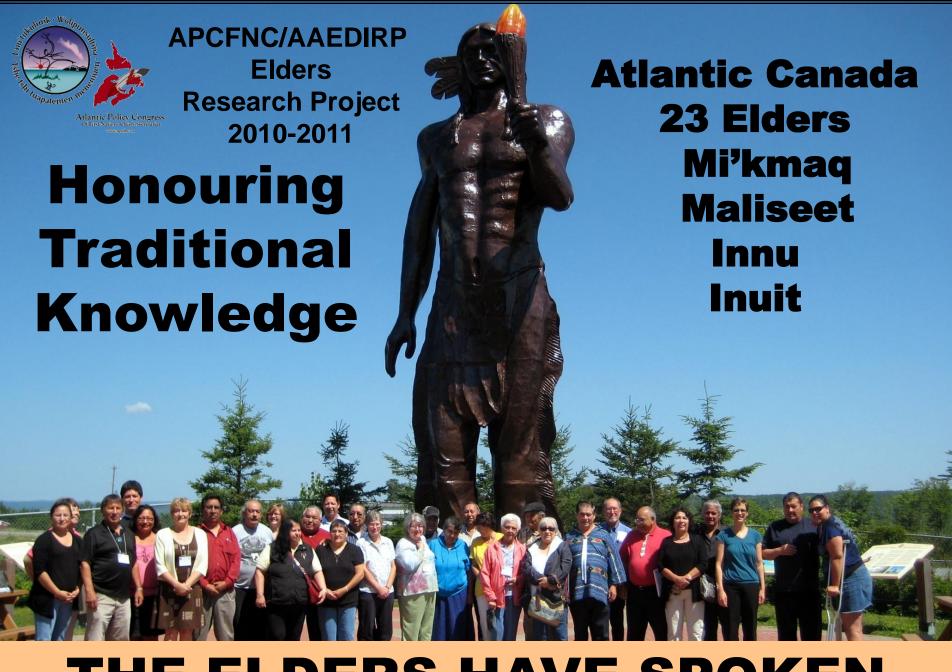
Strong Commonalities and Shared Priorities across FN Communities

- To live in safe, healthy communities living in balance (physical, mental, emotional and spiritual);
- Increase parental and community involvement by providing opportunities for learning through teaching of traditional values throughout the lifespan; in the home, at school (including Early Learning), on the land and in the community and workplace;
- Understanding and becoming aware of our generational ties through clan/kinship and genealogy;
- 4. Increase the use and fluency of their languages among learners of all ages and in all areas of community life;
- 5. Ensuring the active and meaningful engagement of Elders throughout the community, as teachers, decisions makers and role models;
- 6. Providing more learning spaces to facilitate the transfer of historical, linguistic, cultural and Indigenous knowledge;
- 7. Building trusting relationships through consistent communications with all agencies, organizations and families:
- Increasing community understanding of the roles and responsibilities of their territorial stewardship, through experiencing the teachings on and from the land;
- Provide mentoling/employment opportunities for all professions and for all community mentoers, with a focus on the youth.³³

These are all important considerations which provide a foundation for the design, development and implementation of programs and services to assist students throughout the lifelong learning journey.







THE ELDERS HAVE SPOKEN

ELDERS PROJECT REPORT

http://www.apcfnc.ca/en/resources/HonouringTraditionalKnowledgeFinal.pdf

APCFNC Elders Project:

HONOURING TRADITIONAL KNOWLEDGE







ELDERS RECOMMENDATIONS

The following is the list of recommendations from the APCFNC Elders Project: Honouring Traditional Knowledge. It is an initial list concerning how Elders would like to be consulted whe sharing Traditional Knowledge. Reading and acknowledging this list of recommendations should be considered a form of consultation with Atlantic Aboriginal communities.

- 1. It needs to be recognized that Atlantic Aboriginal communities are losing their Elders, their languages, and their cultural knowledge very rapidly. Therefore, Aboriginal communities an leadership need to recognize the urgency and importance of working alongside Elders and learning from their Traditional Knowledge immediately.
- 2. It is imperative that Elders be involved in all aspects of the territorial, cultural, linguistic, ecological, economic development, and social affairs of Atlantic Aboriginal communities. Elders are in a position to help prioritize what is most important because of their collective cultural knowledge.
- 3. Traditional Knowledge should be woven into all aspects of Aboriginal community life, include economic development, fisheries, health, social, law, environment, and education, etc.
- 4. Elders should be consulted in meaningful ways and have advisory roles for all Aboriginal community planning, development, implementation, and evaluation taking place. Meaningf involvement would include being members of steering committees and advisory committees that Elders have input into decision making.
- Traditional Knowledge must be shared and passed on before it is lost. The ways in which Traditional Knowledge is passed on need to be directed by the Elders from each territory.
- 6. An Elders Council, appointed by Elders, that would advise on matters related to the sharing Traditional Knowledge, should be formed for the Atlantic region. The Council would advise matters related to protocols and/or ethics and the best practices for the sharing of Traditions Knowledge as well as the best practices for working alongside Elders. This would include wo alongside Elders in all areas of community life and development including research.

The Elders Council, once formed, would engage in a process of co-learning with the Atlantic region universities to create a template for how the process of this knowledge transfer could of

Elders should be involved in developing and approving educational curriculums related to Traditional Knowledge for Aboriginal community schools and provincial and post-secondar institutions in the Atlantic region.

Traditional Knowledge should be woven into the social studies, science, and language curriculums for primary and secondary schools in Atlantic Aboriginal communities. This w ensure proper and meaningful education for Aboriginal learners, enable the communities to develop a balance between western and Aboriginal learning methods, and better prepare Aboriginal children for their future paths.

Post-secondary institutions should be compelled to seek guidance from the Elders Council (described above in recommendation #6) to develop appropriate curriculums related to Traditional Knowledge for relevant post-secondary programming.

8. Each Aboriginal community needs to encourage the use of traditional practices, which are products of Traditional Knowledge. This would encourage younger generations to learn about and respect traditional practices such as traditional laws, cultural and spiritual practices, lang learning, and practices related to hunting and fishing, food gathering, medicine, ecology, scientification, and practices related to hunting and fishing, food gathering, medicine, ecology, scientification, and practices related to hunting and fishing, food gathering, medicine, ecology, scientification, and practices related to hunting and fishing, food gathering, medicine, ecology, scientification, and practices related to hunting and fishing, food gathering, medicine, ecology, scientification, and practices related to hunting and fishing, food gathering, medicine, ecology, scientification, and practices related to hunting and fishing, food gathering, medicine, ecology, scientification, and practices related to hunting and fishing, food gathering, medicine, ecology, scientification, and the scientification and arts, and education.

To view the complete project, go to: http://www.apcfnc.ca/en/resources/HonouringTraditionalKnowledgeFinal.pdf

at their 16th Annual General Meeting on September 20, 2011 support the recommendations put forward by Atlantic Region Elders as an All Chiefs' Resolution #2011-14.

MOTIONED BY: Chief Mrsel Joe, Miawpukek First Nation SECONDED BY: Chief Roderick Googoo, Waycobah First Nation

HONOURING TRADITIONAL KNOWLEDGE COMPONENTS

Educts's newborn and the houses gathering in Milmang brought together Edsers from from Aborigani cubrars of the Admiris Region — the Milman, the Wednespith, the Iman, and the Institute from Aborigani cubrars of the Admiris Region — the Milman, the Wednespith and the Iman, and the Iman Aborigani cubrar of the Admiris Aborigani the Milman Milman and the Goodsalp Heringan (Aborigani Carlos) and the Goodsalp Heringan (Aborigani Carlos) and the Goodsalp Heringani Carlos Aborigani Carlos (Aborigani Carlos) and the Carlos (

This video highlights the role of Elders and Traditional Knowledge. Under the Elders' guis video was rande from footage taken at the Elders Ma'wiomi. It can be viewed by going to that of block-older AYKEVUA

The Elders made eight recommendations concerning Traditional Knowledge. The rare based on discussions from the Elders Mawio'nsi. See next page.

List of Resources

This is an initial list of protocols and/or ethics and best practices for the sharing of Traditional Knowledge and for working alongside Atlantic region Edsen in research. It constains commans based and university ranterials. It is a living document that will be added to on an ongoing base



FOR MORE INFORMATION PLEASE CONTACT:

Phone: 435-8022 (office) or 402-1733 (cell) Email: gillion austin@apcfac.ca

ELDERS 8 RECOMMENDATIONS

www.apcfnc.ca

Therefore it be resolved that the Atlantic Chiefs, having reviewed the recommendations at their meeting on 29 September 2011 **Atlantic Policy Congress** Of First Nations Chiefs Secretariat hereby support the 8 recommendations put forward by Atlantic Region Elders as part of the APC Elders Project: Honouring Traditional Knowledge.



RECOMMENDATIONS: #1-4

- 1. It needs to be recognized that Atlantic Aboriginal communities are losing their Elders, their languages and their cultural knowledge very rapidly. Therefore, Aboriginal communities and leadership need to recognize the urgency and importance of working alongside Elders and learning from their Traditional Knowledge immediately.
- 2. It is imperative that Elders be involved in all aspects of the territorial, cultural, linguistic, ecological, economic development and social affairs of Atlantic Aboriginal communities. Elders are in a position to help prioritize what is most important because of their collective cultural knowledge.
- **3.** Traditional Knowledge should be woven into all aspects of Aboriginal community life, including economic development, fisheries, health, social, law, environment and education etc.
- **4.** Elders should be consulted in meaningful ways and have advisory roles for all Aboriginal community planning, development, implementation and evaluation taking place. Meaningful involvement would include being members of steering committees and advisory committees so that Elders have input into decision making.

RECOMMENDATIONS: #5-8

- **5.** Traditional Knowledge must be shared and passed on before it is lost. The ways in which Traditional Knowledge is passed on, needs to be directed by the Elders from each territory.
- **6.** An Elders Council, appointed by Elders, that would advise on matters related to the sharing of Traditional Knowledge, should be formed for the Atlantic region. The Council would advise on matters related to protocols and/or ethics and the best practices for the sharing of Traditional Knowledge as well as the best practices for working alongside Elders. This would include working alongside Elders in all areas of community life and development including research.
- **7.** Elders should be involved in developing and approving educational curriculum related to Traditional Knowledge for Aboriginal community schools, provincial and post-secondary institutions in the Atlantic region.
- **8.** Each Aboriginal community needs to encourage the use of traditional practices, which are products of Traditional Knowledge. This would encourage younger generations to learn about and respect traditional practices, such as traditional laws, cultural and spiritual practices, language learning and practices related to hunting and fishing, food gathering, medicine, ecology, science, arts and education.

