The Role of Tribal Languages and Cultures in American Indian Education

Sasanehsaeh “Suzi” Pyawasay (Menominee)

UW-Madison Master’s Student
Dept. of Ed. Leadership & Policy Analysis
Dept. of Public Instruction, Education Specialist, American Indian Studies Program

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The State of American Indian Education

- 562 federally recognized tribes
- 4.5 million U.S. citizens identify as American Indian, Alaskan Native, or Native Hawaiian
- ~ 634,000 AI/AN students in the K-12 system

~ 93% of AI/AN students attend public schools
~ 7% of AI/AN attend BIA schools (U.S. Department of Education, National Center for Education Statistics 2005b).
71% AI/AN have a high school diploma
11% of AI/AN have a BA degree

~ 75% A/N over 18 had high school diplomas by 2000
6% adult A/N had 4-year college degrees by 2000
2003-04 school year, A/I high school graduation rate was 49.3%, compared to 76.2% for white students

Source: U.S. Census 2000; EPE Research Center 2007; National Indian Education Association’s “Native Education 101 (2007).”
Contemporary Educational Issues

The most common educational issues that American Indians Students face:

- Educational achievement and attainment gaps are widening
- Cultural dissonance between Native American students and traditional education systems
Research Questions

Three issues:

What is the relationship between a student’s knowledge of, and experience with their tribal language & culture and various educational outcomes?
What educational outcomes are associated with courses on tribal languages and cultures?
What educational outcomes are associated with tribal languages and cultures as mediums of instruction?
Methodology

- Review Literature
  - Demmert Lit. Review
    - Bibliography
    - Citations
    - Footnotes
  - Review New Literature
- Summarize Findings
- Code & Organize Literature
- Annotated Bibliography
Characteristic of Learner/Home Environment

Synthesis of the literature demonstrated:

1. Tribal language and culture as a characteristic of the student can assist academic performance
2. Tribal Language and culture should be harmonious between the school and community
3. Educational reform establishing uniformity between the culture community and school
4. Curriculum Development & Community Involvement
Characteristic of Learner/Home Environment

- Tribal language and culture as a characteristic of the student can assist academic performance
  
  - Student culture should be considered a tool in improving school performance (Coggins, Williams & Radin, 1996).
  - Traditional American Indian Culture positively affects academic performance (Whitbeck, Hoyt, Stubben & LaFromboise, 2001).
  - Language and culture can promote attainment of knowledge in and out of schools (Yazzie, 2000).
Characteristic of Learner/Home Environment

Example:

- Participation in the traditional cultural practices confirmed some changes in academic performance; specifically academic achievement was made easier or less difficult for the students (Rubie, 1999).
Characteristic of Learner/Home Environment

- Tribal Language and culture should be harmonious between the school and community
  - The mismatch between the school and community cultures may justify the unsuccessful academic achievement of American Indian students (Hammond, Dupoux & Ingalls, 2004).
Culturally responsive education practices that reflect the tribal community were identified to be more appropriate teaching methods for A/I (Ingalls, Hammond, Dupoux & Baeza, 2006).

Factors contributing to the poor academic achievement of A/I students:
- Differences between home culture and school culture
- Ignorance of Native culture among school staff (Skinner, 1991)
Characteristic of Learner/Home Environment

- Educational reform establishing uniformity between the culture community and school
  - An educational reform is needed to facilitate American Indian academic success (Macias, 1989).
Due to cultural disparities of A/I student and mainstream schooling, academic attainment indicate
  ▪ Changes in curriculum and instructional methods
  ▪ Materials to incorporate American Indian culture (Agbo, 2001)

School reform is crucial to meet the needs of A/I students and to facilitate academic excellence and school improvement should include:
  ▪ Incorporating a curriculum that reflects the culture of the students (Beaulieu, 2000).
Characteristic of Learner/Home Environment

- **Curriculum Development & Community Involvement**
  - It is important to establish a culturally articulated curriculum that will seek to balance learning through school and community by way of strong community support and community teaching (Barnhardt, 1989).
  - Influence and involvement of the community and the parents are critical factors tied to school and teacher success with Native American students (Demmert, 2001).
Characteristic of Learner/Home Environment

Example:

- Alaska Native Knowledge Network highlights six major initiatives to document the indigenous knowledge systems of Alaska Native people which cultivate pedagogical practices that properly include indigenous knowledge and ways of knowing into education programs which include: culturally aligned curriculum adaptations; native ways of knowing and teaching; and elders and cultural camps (Alaska Native Knowledge Network, 1998).
Academic Subject

Synthesis of the literature demonstrated:

1. Culturally Relevant Curriculum: Employing materials from the student’s culture and history to illustrate principles and concepts (Abdal-Haaq, 1994)*.

2. School & Community Partnerships

3. Positive influence of culture and language as academic subjects

Culturally Relevant Curriculum

- Culturally relevant programs can enhance contemporary American Indian students’ chances for academic achievement through its effects on:
  - Instruction
  - Curriculum
  - Evaluation
  - Governance (Martin, 2005).

- Curriculum must reflect the linguistic, cultural, social heritage of the learner’s community and tribal society (Beaulieu, 2000).
Academic Subject

- It is important to provide culturally relevant curriculum that offers a learning environment where students will understand how education is used to enhance the quality of life for their communities (Van Hamme, 1995).

- Factors that contribute to the poor academic achievement of Native American students are:
  - culturally based native learning styles
  - culturally biased testing
  - the neglecting of components in developing culturally relevant curricula (Skinner, 1991).
Examples:

- The Kamehameha Early Education Program (KEEP) adapted to meet their cultural needs and abilities, which included a systematic instruction in reading comprehension that has been positively assessed in three different evaluations, which all deemed the KEEP a quality program (Tharp, 1982).
Educators and communities must work together to incorporate language and cultures in schools to give American Indian students a chance to succeed in school (Ayoungman, 1995).

To facilitate student achievement it is essential to work with AI/AN communities to improve a school curriculum that reflects AI/AN experience and learning (Jacobs & Reyner, 2002).
Academic Subject

Positive influence of culture and language as academic subjects

- Incorporating cultural motifs, stories, symbols, etc. into math, language arts, and reading materials, as in Natural Math, improve raw math scores of students entering kindergarten (Sears and Medaris, 1992).
Medium of Instruction

Synthesis of the literature demonstrated:

1. **Bilingual Education**: Any use of two languages in school – by teachers, students or both – for a variety of social and pedagogical purposes (National Association for Bilingual Education, http://www.nabe.org/education/index.html).

2. **Language Immersion Programs**: Academic subjects are taught in the second language for all (full immersion) or part (partial immersion) of the instructional day. Students learn through the language rather than study the language. (Delfosse, DPI-World Languages Education Consultant)
Medium of Instruction

- Bilingual Education

  Bilingual Education

  - Students in grades 1-5, taking bilingual Cherokee courses scored higher on standardized test than counterparts taught in English (Bacon, Kidd & Seaberg, 1982).

  - Students taught in their tribal language outperform counterparts taught in English on standardized test given in English (Rosier & Holm, 1980).
Medium of Instruction

- Language Immersion Programs
  - Language immersion as well as language and culture as an academic subject resulted in influenced better attitudes and academic performance for at least some students (Rudin, 1989).
  - Children who are taught in their Native language with culturally relevant pedagogy will do at least as well and may do better on standardized test who receive instruction in a dominant second language (Sherman, 2003).
The Hawaiian Immersion program recognizes seven important functions in an indigenous language immersion program, where Hawaiian is the second language:

- Hawaiian as a medium of instruction and a language of survival in school
- Hawaiian ceremonial, aesthetic and cultural dimensions
- Students as creators of Hawaiian stories and text
- Student as readers and translators of Hawaiian text
- Bilingual empowerment through Hawaiian and English literacy
- Bilingual advantage (Slaughter, 1997)

Highlight that strong community involvement and maximum parental involvement are essential in an indigenous immersion program (Slaughter & Lai, 1994).
Medium of Instruction

● Example:

- The findings on national exams of the students who participated in the Maori Language Immersion Program in New Zealand concluded that all the students that have take the exams at an accelerated pace passed all the exams in Maori, achieving a comparable level of Maori language competence with the third year of university study in Maori. They students also achieved an 80% passing rate in math, science, geography, history and graphic design (Harrison, 1998).
**Recap: Culture & Language as...**

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Recommendations

- Literature & findings as resources
- Be careful with generalizations
- Language & culture diversity
- Community involvement