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## Shorthand for Instructional Adaptations? Native Learning Styles:

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suggesting things that teachers might be sensitive to, in order to accommodate to a teachers, not in defining attributions or characteristics of Native learners, but in confuse the issue. Nonetheless, the literature can provide some general indications for Native learning styles go beyond cognitive and interactional categories to further that the term is ambiguous, and that several of the studies and propositions about A discussion about Native learning styles in the literature is reviewed, and it is argued

what we mean by learning styles. Swisher and Dehley (1989) conclude that range of problems and dangers. One of the primary problems is defining exactly In approaching the issue of Native learning styles, we are confronted with a

students. (p. 5) American Indian students come to learn about the world in ways that are different from mainstream in learning styles ... can result in "academic disorientation" ... what is clear from the research is...that natural settings experientially. Research with other student groups has clearly illustrated differences to prefer to learn by careful observation which precedes performance, and seem to learn in their in the way these students come to know or understand the world. They approach tasks visually, seem although small, does present some converging evidence that suggests common patterns or methods In summary the body of research which examined learning styles of American Indian students,

Kleinfeld (1988), however, remains unconvinced.

Good teachers always adapt to the culture of the children and the culture of the school. Nothing is "Learning style" becomes a vague and ambiguous concept without significant heuristic value. (p. 95) lost by using the term "learning style" to denote such teaching adaptations, but little is gained.

individuals learn from their environment" (Walker, Dodd, & Bigelow, 1989). many of which seem to have little to do with the generally accepted view that learning style relates to students' cognitive patterns-"distinctive ways in which bewildering array of perspectives on exactly what is meant by learning styles, Indeed, an examination of the literature on Native learning styles offers a

attributable to "interference theory"--- Indian students speak less because students learn primarily through nonverbal mechanisms. He suggests, however, anthropological accounts and contemporary examples to conclude that Indian practices that emphasize observation and imitation. Guilmet (1976) looks at both that Indian students' tendency to be less verbal in the classroom is also visual learning preference, and he attributes this visual orientation to child rearing characteristic is the often reported preference for visual (as opposed to verbal and kinaesthetic) learning. Kaulback (1984) cites numerous studies that point to a The most commonly accepted and widely publicized Native learning style

classrooms are not structured to allow Native students to display their verbal

communication patterns. accommodate students' information, and teaching styles, the things instructors do (and don't do) to that classrooms that emphasize teacher dominance, formal lecturing, spotlighting, and low tolerance for dialogue produce what she calls "the mask of silence." Here the lines blur between learning styles, the ways students process Dumont (1972) further supports the interference theory concept, observing backgrounds, behaviours, and culturally based

styles" factors noted. The authors then suggest 22 teaching strategies to accommodate the "learning related to learning styles, though they are listed as "learning style inclinations." verb" and "many Indian children have a low self-image") are not even remotely learner. Many of these (for example, "They may have difficulty with the correct to the auditory learner," and then go on to list 21 characteristics of the Indian Native student at a disadvantage in school "where teaching methods tend to cater students prefer observation versus verbal learning, which, they say, places the based student characteristics. They begin by concluding again that Native while emphasizing the teaching accommodations we need to make for culturally Henry and Pepper (1988) further obscure the meaning of learning styles

curriculum materials that use a spatial, visually presented format" for Native conceptual ability. They conclude that "it would be warranted to search for spatial ability is greater than sequential ability which is greater than verbal elsewhere, suggest that Native students may have a "typical cognitive pattern": administered to Yakima Indian students, combined with previous research Children (WISC) and Weehsler Adult Intelligence Scale (WAIS) tests Diessner and Walker (1986), using data from the Wechsler Intelligence Scale for In a study that does look at learning style as strict cognitive preferences,

think-then-do poles. suggests that Native students tend toward the global, imaginal, concrete, and abstract learning, and trial and error vs. "think- (or watch) then-do" patterns. He rather that successive) processing, imaginal vs. verbal coding, concrete vs. He suggests four learning style bipolarities—global vs. analytic (or simultaneous More (1987) moves in different directions when addressing learning styles.

a cooperative learning environment, and integrating new information with what style descriptors, the Walker Learning Preference scale, demonstrated some and visual learning. Walker et al. (1989), employing yet another set of learning more oriented to collaborative and small group tasks) and preferred kinaesthetic desired more teacher-student interaction, were more peer-oriented (thus were they already know. As in many similar studies, it is significant to note that the learners prefer small group participation, allowance for personal interpretations, preference for "patterned symbols" learning among Native students. These Learning Style Inventory to conclude that the Alaskan Native students they tested Wauters, Bruce, Black, & Hocker (1989) used the adult version of the Dunn

> pattern (one of four) was actually preferred by just over half of the sample. sample was very small (28 participants), and the "patterned symbol" learning

Kleinfeld (1988) takes much of this research to task. While acknowledging

they are working so that they can respond with better judgement." patterns. It lies rather in helping teachers understand the cultural context in which not lie ... in telling teachers to 'match' instruction to high/low verbal ability persuasively that the real value of research into Native learning patterns "does used to reinforce narrow, very possibly irrelevant content), she argues While the studies she cites are few, sketchy and suspect (only still visuals were part of Native students when the information was bolstered by visual materials. she examines several studies that failed to demonstrate increased learning on the that Native learners may indeed have a visual learning preference, for instance,

rarely include visually based instructional techniques. teachers have found work with Native students, approaches, she points out, that She suggests that we may be better off looking at teaching approaches that

styles were more effective. students. Several researchers (Dumont, 1972; Phillips, 1983) concluded that the who shared social control and employed warmer and more personal teaching resistance and lack of participation. Dumont (1972) found classroom teachers cultural incongruity between the home and school-especially the school's tendency to isolate control in the hands of the instructors—caused Native student Such an examination reveals a great deal about accommodating Native

of being sensitive to non-verbal cues; avoiding spotlighting (singling students out the students—was identified as an important factor in working successfully with instruction. for praise, criticism, or recitation); accepting silence; and using more small group (1981), and others, Erickson and Mohatt (1981) also identified the importance Native students by Collier (1979), Erickson and Mohatt (1981), Barnhardt Pacing—the ability of the instructor to adapt to the speed and movements of

These must be verified. stereotyping or making assumptions about Indian learning or behaviour patterns. the class is carried out through genuine dialogue. He also warns against patterns are discussed and understood and a real negotiation of the operation of the classroom" where cultural differences and learning and communication Arbess (1981) speaks of the need to have instructors "negotiate a culture of

interpersonal activity (as opposed to goal-oriented, impersonal activity), experiences have been negative and whose self-esteem has been battered may instructor is to be effective. On the other hand, if the instructor is not actively establishing close personal relations with Native students is essential if an demanding-expecting and pushing for excellence-students whose school professional distance) and active demandingness (vs. passive understanding). Native students displayed two primary characteristics: personal warmth (vs. avoid academic situations and work below their capacity. Because, she suggests, learning for Native students tends to be more of an In a seminal study, Kleinfeld (1975) concluded that effective instructors of

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work and self-run small groups) produce the greatest participation. produce the least Native student participation, while the least used (individual frequently used in schools (teacher lecturing and teacher directed small groups) produced different degrees of Native student involvement and that those most Phillips (1983) concluded that certain classroom participation structures

group learning situations, and emphasizes experiential learning. classify and view the world in a manner that is culturally based. His curriculum incorporates four characteristics: it is process centred, community based, utilizes He points out that conventional curricula are culture-bound as they segment, traditional culture as a basis for examining and adapting to changing conditions. can adjust to the realities and world view of the Native student and uses Barnhardt (1981) advocates what he calls "culturally eclectic" curriculum that

caring and concern is communicated." Become part of the community: "observe and ask questions so that genuine performance; (8) be aware of proximity and other non-verbal preferences; (9) (6) use multi-sensory instruction; (7) provide time for practice before expecting patterns and discussion style of your students; (5) avoid singling students out; experiences; (3) be aware of appropriate pacing; (4) be aware of the discourse styles. Then they make specific suggestions that "have special significance for they do in learning situations; (2) be aware of student background knowledge and teachers of Indian students": (1) discuss learning style and why students do what teachers first know their own cultural biases and personal learning and teaching students, our teaching approaches tend to remain the same. They suggest that learning that is "culturally influenced" and often different from mainstream there is ample evidence that Native students come to school with an approach to Swisher and Deyhle (1989) bring the issue full circle by arguing that while

patterns, dangerously generalized conclusions, and a confusion between student and personal factors beyond the usual view of learning style as cognitive learning styles and teacher behaviours. the learning style debate: wildly differing definitions, the inclusion of cultural Even this cursory review of the literature suggests some of the problems of

instructional practices that result in greater Native student success. look beyond the narrow debate over the meaning of the term to the broader instructional adaptations necessary in a cross-cultural context." In this view, we it, "['Learning style'] has become a short-hand reference for a wide variety of definition of learning styles for a more inclusive view. As Kleinfeld (1988) puts Perhaps the most useful way of looking at the issue is to abandon a narrow

Native students tend to Native students. Specifically, research suggests that successful instructors of a rich array of suggestions for creating more effective, successful class rooms for When viewed this way, the learning style/teaching style literature provides

- share classroom control and responsibility;
- reduce formal lecturing;
- avoid "spotlighting"—singling students out for praise, criticism, or response;
- allow students to retain control over their learning;
- accommodate visual learning preferences, especially for new and difficult material; allow students to privately rehearse a skill before demonstrating competency publicly;

- use more student-directed small groups;
- de-emphasize academic competition;
- assist students to integrate and synthesize new material with prior knowledge and experience;
- favour essay tests over objective exams;
- emphasize cooperative and collaborative learning;
- allow students to discuss information in a non-competitive atmosphere;
- use more global, holistic instructional approaches;
- utilize warmer and more personal teaching styles;
- establish close personal relationships with students:
- actively demand while remaining personally warm;
- be sensitive to nonverbal cues;
- accept silence;
- allow longer pauses after asking questions;
- establish a pace and flow consistent with that of the students;
- use smooth, less abrupt transitions between lessons;
- utilize slower, more personal helping modes;
- avoid excess verbalization;
- listen as well as talk;
- utilize minimal teacher direction;
- negotiate a "culture of the classroom"
- become part of the community;
- use experiential learning techniques;
- discuss learning style with students;
- be sensitive to student backgrounds and experiences;
- be aware of discourse patterns and discussion styles of their students:
- use multimodal instruction;
- be aware of proximity and other nonverbal preferences;
- help students understand the need to "decontextualize" thought in writing and provide the skills emphasize development of self-esteem, confidence, empowerment, and capacity to affect change;
- emphasize dialogue based on mutual respect;
- use a whole language, integrated approach that emphasizes the words and experiences of the
- 38. expectations (e.g., linear theses-support essays) and discuss these formal expectations with recognize potential conflicts between student language/cultural backgrounds and school-based
- 39. emphasize a writing process approach rather than a grammar-based subskills method to writing
- provide appropriate, effective, and adequate counselling and support services
- build life skills into programs;
- avoid stereotyping: they consider all of the above as mere tendencies, and validate everything for themselves

it. Understanding that the research offers only tendencies observed by others in understand the "cultural context" they are working in and how to accommodate important array of techniques and approaches that may help instructors better in educational settings?" In this context, the learning style literature offers an accommodations have proven most effective in helping Native students succeed "How do Native students learn?" for answers to the question "What teaching instructors abandon the attempt to identify a definitive answer to the question In the view advocated here, Native students are better served when we as specific, generalizable learning preferences, and exactly what do we mean by learning styles anyway?—has tended to obscure the real value of the research. In conclusion, the Native learning style debate—do Native students have

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other situations, sensitive instructors will use the perspectives provided in the literature as mere starting points—suggestions of possible differences in communication patterns, world view, ways of processing information, and relating to one another—that must be verified for themselves.

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