Internet-based Interdisciplinary Elementary Science Methods Instruction

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Abstract: Pre-service education students at Dakota State University take a portion of their elementary science methods through an interdisciplinary Internet-based unit. During the unit, students do not attend their scheduled on-campus class. They work individually and in groups, on the Internet. Students experience distance learning and multimedia (i.e., video clips, sound clips, e-mail, discussion boards), web-browsing, individual and cooperative learning. Upon completion, students evaluate their Internet-based learning experiences and explore how they could develop similar projects appropriate for teaching science to elementary students. Students then develop Internet-based science units and use them during their practice teaching experiences. Successful units are placed, for reference, in The Resource Room in a unique Virtual Campus Training School web-site.

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