

**2009 Intermountain Conference on Education of the Gifted
Mini-Strand Proposal Template**

Presenter: Barbara Gentry

Presentation Title: Science and Gifted Students

Overview: In this session, teachers will learn how to identify potential gifted in students in their middle school or high school classrooms. Methods for challenging these students, particularly inquiry teaching, will be demonstrated and experienced. Teachers will leave with one specific lesson improved so that it can provide greater challenge for gifted students.

Audience Guidance				Time Slot
Primary Grades (K-2)	4	Key	1. This mini-strand will be directly applicable to these grade levels. Teachers at these grade levels will benefit most by attending this mini-strand.	AM
Elementary Grades (3-5)	3		2. This mini-strand will be suitable for these grade levels. Teachers at these grade levels will benefit some by attending this mini-strand because instructors will suggest extensions or adaptations.	
Middle School (6-8)	1		3. This mini-strand could be suitable for these grade levels. However, to benefit, teachers at these grade levels will be individually responsible for determining implications for their own particular teaching assignments.	PM
High School (9-12)	1		4. This mini-strand is likely not appropriate for these grade levels.	

Daily Outlines

Monday	Tuesday	Wednesday
Curriculum/Content	Instruction/Process	Assessment/Product
<ul style="list-style-type: none"> • Characteristics of gifted students in science. • Identification of appropriate instructional strategies for science classrooms and gifted students. • Expected outcomes of effective science education strategies. 	<ul style="list-style-type: none"> • Integrating inquiry teaching into science classrooms to help all students excel. • Hands on activity to demonstrate inquiry teaching methodology. • Example of cross curricular, integrated lesson. 	<ul style="list-style-type: none"> • Examples of formative assessments for students. • Teacher product development. <ul style="list-style-type: none"> ○ Identify a lesson needing improvement. ○ Add inquiry component. ○ Share with group.