

Vallivue Professional Development

Spring 2011 Course Offering

MTI Follow-up Course for Grades 4 – 9 (Elective)

This class is designed for teachers who have completed the MTI course and want to investigate and discuss mathematical topics related to instruction in grades 4 – 9. Activities include examining grade-level content, building learning progressions, examining student work, and sharing resources, practices, and ideas.

Credits: 1

Course Goals:

- Enhance mathematics teachers' knowledge of middle level mathematics
- Enhance mathematics teachers' pedagogical knowledge
- Encourage mathematics teachers to develop a reflective practice
- Investigate questions and dilemmas as they arise

Instructional practices

- Support mathematics teachers as they establish professional goals, develop leadership skills, collaboration skills, and foster a culture characterized by professional relationships of deep collaboration, non-defensive examination of practice, and a focus on results
- Help teachers develop a repertoire of effective instructional practices

How is the course different from the 3 credit MTI class?

In the follow-up class, the focus will be more on the practicalities of implementation. The class will still do some mathematical tasks all together, as in the MTI class, but a lot of time will be spent discussing how to teach for understanding. Topics will include:

- How to evaluate tasks.
- How to use/write effective warm-ups.
- The role of homework.
- Questioning techniques.

Teachers are also encouraged to bring in examples of student work and to design and implement a lesson plan. Depending on the make-up of the class, this can be done collaboratively.

Course Instructor:

Dr. Gwyneth Hughes
Developing Mathematical Thinking
Math Specialist, Region 3
College of Education, Boise State University

Class Meeting Dates:

Time: 4:30pm – 7:00pm

- Feb. 15
- March 1
- March 15
- April 5
- April 19
- May 3

Location: Sage Valley Middle School

Registration open to only Vallivue District staff until Jan. 7 and then open to area Region 3 schools.

Registration will be on the district website. List grade and/or subject

One professional development credit is available through Boise State but not required for participation.