

OLA On the Write Track with Math:**Instructor:** John C. Strom**Dates:** TBD**E-mail:** jstrom@uegw.stier.org**Office hours:** 24/7 via e-mail

If you would like to speak on the phone, please e-mail me so we can set up a time that is convenient to both of us.

Credit: 1 in-service credit (15 hours)**Audience:** grades 3 – 8 Teachers**Description:**

Many teachers in today's classrooms are asking students to communicate more mathematically because of state testing. Because of this, students need to write more in-depth solutions instead of simply calculating. This course provides tips that will help students to write mathematics more proficiently, including writing a complete solution, keeping their work organized, checking their math, and proofreading their explanation. Specifically, we will investigate many ways to incorporate writing such as journaling, creating word walls, metacognitive reflections, making connections to real world situations, and taxonomies. Participants will create rubrics to assess their students' work.

Prerequisites: In order to be successful in this course, students should possess the following skills/knowledge.

1. Student should have basic technology skills. These include, but are not limited to, accessing the Internet, using e-mail, and basic word processing.
2. Students will need reliable access to a computer, the Internet, and a printer.
3. It is expected that students will have a working e-mail account and be able to use e-mail effectively with attachments.
4. Student should be literate in Microsoft WORD, creating documents, attaching documents, and downloading documents.
5. Virus protection software is suggested.

Standards:

NYS MST Standard 3 – By using the 5 Content Standards (Numeration, Algebra, Geometry, Measurement, & Statistics/Probability) participants will reflect on how to incorporate the 5 Process Standards adopted by NYS in Jan, 2005 with emphasis in Process standards in communication and representation.
NYS ELA Standards 1 and 4

Course Objectives:

Participants will...

1. Participate in an on-line learning environment. (Use of

- discussion boards, synchronous and asynchronous chats, posting responses)
2. Make journals and reflect on journaling in their classrooms.
 3. Create wordwalls for a specific unit of study and contemplate benefits and downfalls of using wordwalls in all grade levels.
 4. Discover relevance of topics covered and incorporate Process standard of communication in all aspects of unit chosen
 5. Will create rubrics to assess student achievement in writing in math classes.
 6. (Re-) Discover “Math Circles” and apply to a specific unit in math.

Math and Writing... The union of the mathematician with the poet, fervor with measure, passion with correctness, this surely is the ideal. - William James

Office/Contact Information Contact me: Email: jstrom@uegw.stier.org Phone:
607.757-2156 (work)
607.786.3956 (home)

