



May 5, 2011

STEM ACADEMY: MasterCam Training

What: Instructor training -- **Hands-on Introduction to MasterCam**

Learn to use Mastercam to program a Domino and Lego on Butterboard and Aluminum.

In addition to the introduction to MasterCam, you'll see how to teach this project in the classroom to introduce students to CNC machining & product development concepts.

Using the Domino & Lego project in this hands-on class designed for beginners, Scott Seacrist and Dan Frank will:

- Provide an introduction to MasterCam, including writing G & M code
- Teach project set-up, pocketing, drilling, contouring and tabs
- Help you use the CNC machines to cut your projects
- Demonstrate how to introduce concepts to students
- Guide you through making the Domino and Lego project as if you were a student
- Help you make an Aluminum Domino and Butterboard Lego to take back to your classroom
- Supply worksheets and lesson plan
- Answer your questions about delivering this lesson

Why: To provide opportunities for STEM teachers to learn technical skills, develop integrated lessons and introduce project based learning through in-service training and networking with other STEM teachers in Nevada and Placer Counties.

When: Monday, June 6 from 8 AM to 3 PM (lunch will be served)

Where: Rocklin High School (RHS) Engineering Support Technologies Lab

Instructors: Scott Seacrist, iDesign Lincoln High School & Dan Frank, RHS-EST

Cost: This in-service training is complimentary. It is underwritten by the Sierra STEM Collaborative grant provided to Sierra College through the California Community College Chancellor's Office from the Governor's CTE Initiative (SB70/1133) to strengthen CTE.

Sign up: Space is limited to 10 participants. RSVP by email to Valaine Hoffmann at valaine@vhoffmann.com or call (530) 305-6700.

Sierra STEM Collaborative www.sierraschoolworks.com