

Design and Fabrication Professional Development 2014-2015

This professional development opportunity for selected participants has *two required phases*: Rhino level 1 training offered via distance delivery in November and a hands-on, four day workshop in Sitka in the spring. And for those who have experience with Rhino and want more, there is a third phase: a distance delivered Rhino level 2 for teachers course offered in the late spring.

Costs: The only cost to participants for any of the training activities is for travel, housing, and meals for the four day training in Sitka. To help with this, participants will be given a \$1,000 travel stipend per teacher and \$1,000 per student.

Rhino Level 1 Training

Via GoToMeeting

Live sessions November 6, 13, and 21 at 6:00 PM AST

Participants will do a series of video lessons in Rhino leading up to each of the three live GoToMeeting classes delivered by Bob Koll, of McNeel and Associates. There will be a maximum of 12 participants. Preference will be given to those districts who commit to bringing a student to the spring workshop.

The Sitka Workshop

March 4-7, 2015

In this training, John Niebergall of Sherwood High School, near Portland, Oregon, will demonstrate how to use Rhino generated designs to manufacture things using 3D printers, laser cutter/engravers, CNC vinyl cutters, CNC routers, and plasma arc cutters. John has been using Rhino and other design software to solve design problems and manufacture things for more than a decade. Participants will be given lots of time to do things on their own with the tooling. Districts are encouraged to send one teacher and one student if possible.

Rhino level 2 for teachers

Live sessions April TBA

This GoToMeeting delivered course will first deal with the curriculum, sequences of activities, projects, and other practical classroom applications of Rhino level 1 in the secondary classroom. The course will also expose teachers to some of the more advanced features of Rhino: rendering and lighting, mesh file repair, Grasshopper, and Architectural design with Rhino. The course will be jointly taught by Bob Koll and John Niebergall.

Follow this link to a video which will explain more about why your district should consider developing a Design and Fabrication program:

<http://sitkaschools.org/domain/533>

For more information or to enroll, contact Randy Hughey
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