

Enable colleagues:

General Principles: “Studio 130” - integrated lab/lecture, smart classroom

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One Room (Studio) Chemistry

Integrate one-semester lecture and lab into the same location

Select a mixture teaching practices that are connected to different learning goals

Make chemistry exciting and relevant

Science: Nature of Scientific Activities

Creativity: writing, acting, art, theater

Community: students study water quality in the local area

Discovery: involve students in experimental design

Examine and extend student learning

Standard: shared test questions & value-added

Education Research: survey & performance based