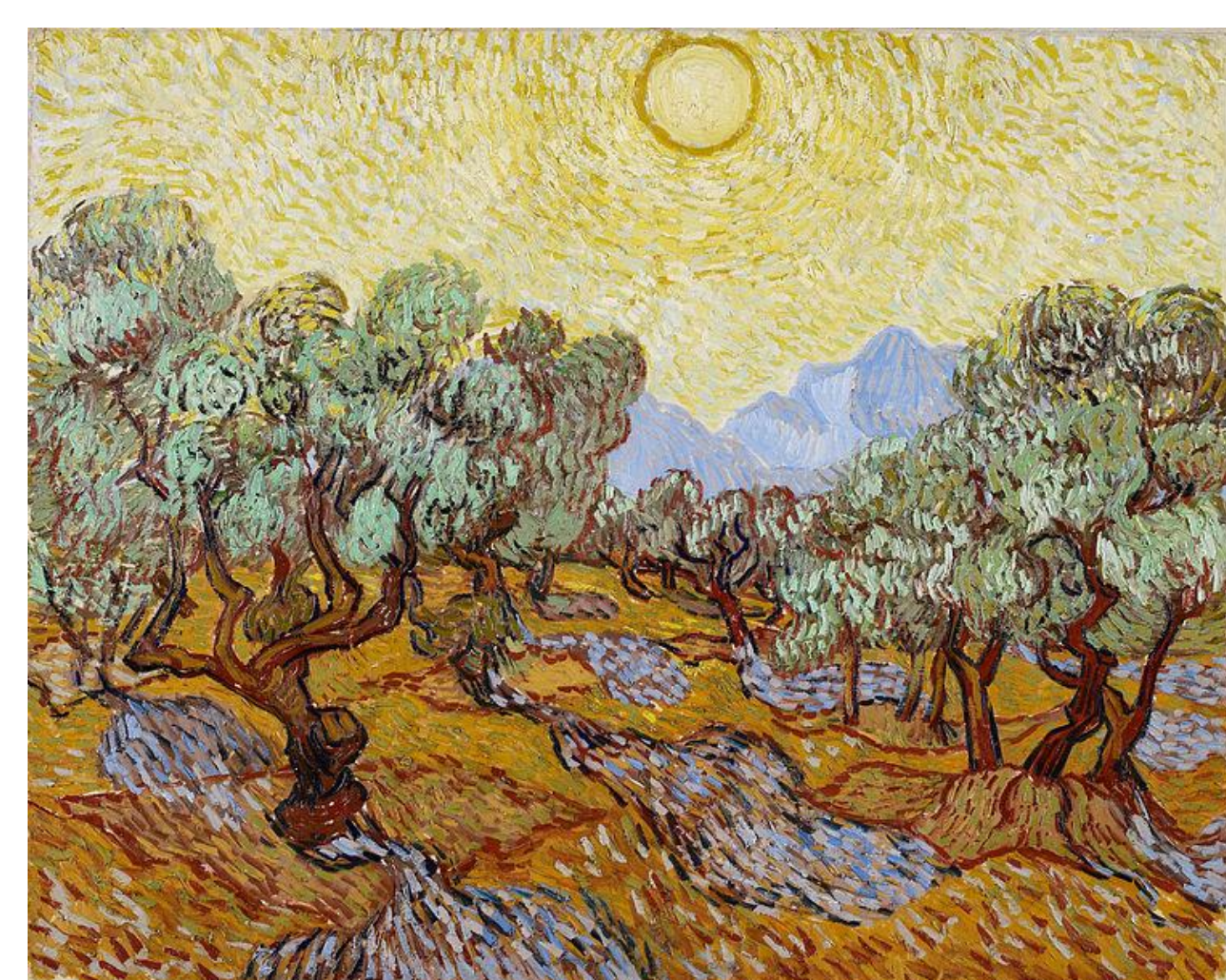


Overview

The use of light and color as metaphor is ubiquitous throughout art and culture. In this seminar series, we explored the artistic and scientific truths these metaphors illustrate. Each week we focused on one of these metaphors in depth (e.g. light as metaphor for energy), identifying examples from paintings, movies, literature, music, and other artistic media. We then performed experiments to explore the science behind the artistic truths the artists intuited.



Olive trees – Vincent van Gogh



Thanos – Marvel



CTI Fellow Diane Strickland exploring light as energy

Typical Weekly Seminar Structure

1. Dinner with Fellows
2. Progress update “mountain talk” – one fellow presents brief update on CU or demonstrates relevant activity/demo
3. Presentation on theme – approx. 30 minutes (Schmedake)
4. Experiments/Activities – approx. 30 minutes (hands-on)
5. CU Development – (discussion, one-on-one mentoring, collaborative discussions)



CTI Fellow Michelle Faggert playing with fire

CTI Fellows’ art gallery: Fellows tested out potential curriculum units activities that merged science and art. (top) acrylic pore paintings, (bottom) cyanotypes.



Content Knowledge

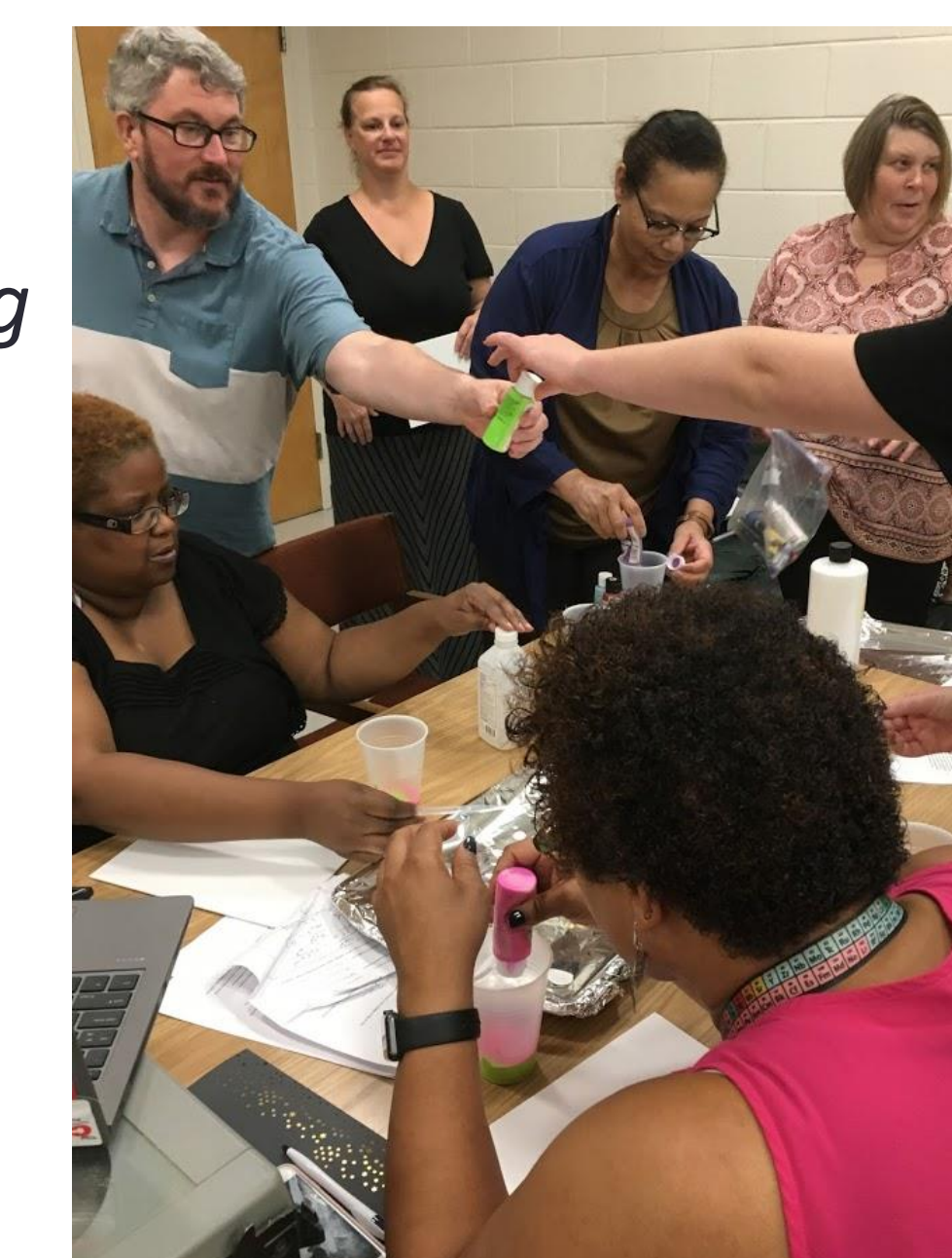
Fellows gained content knowledge in area of light and the way light interacts with matter



CTI Fellow Geneva Bell experimenting with light rays

Creativity

Fellows created new cross-curricular connections (light bridges) for their students using concepts of the art and chemistry of light.



CTI Fellows creating art projects together

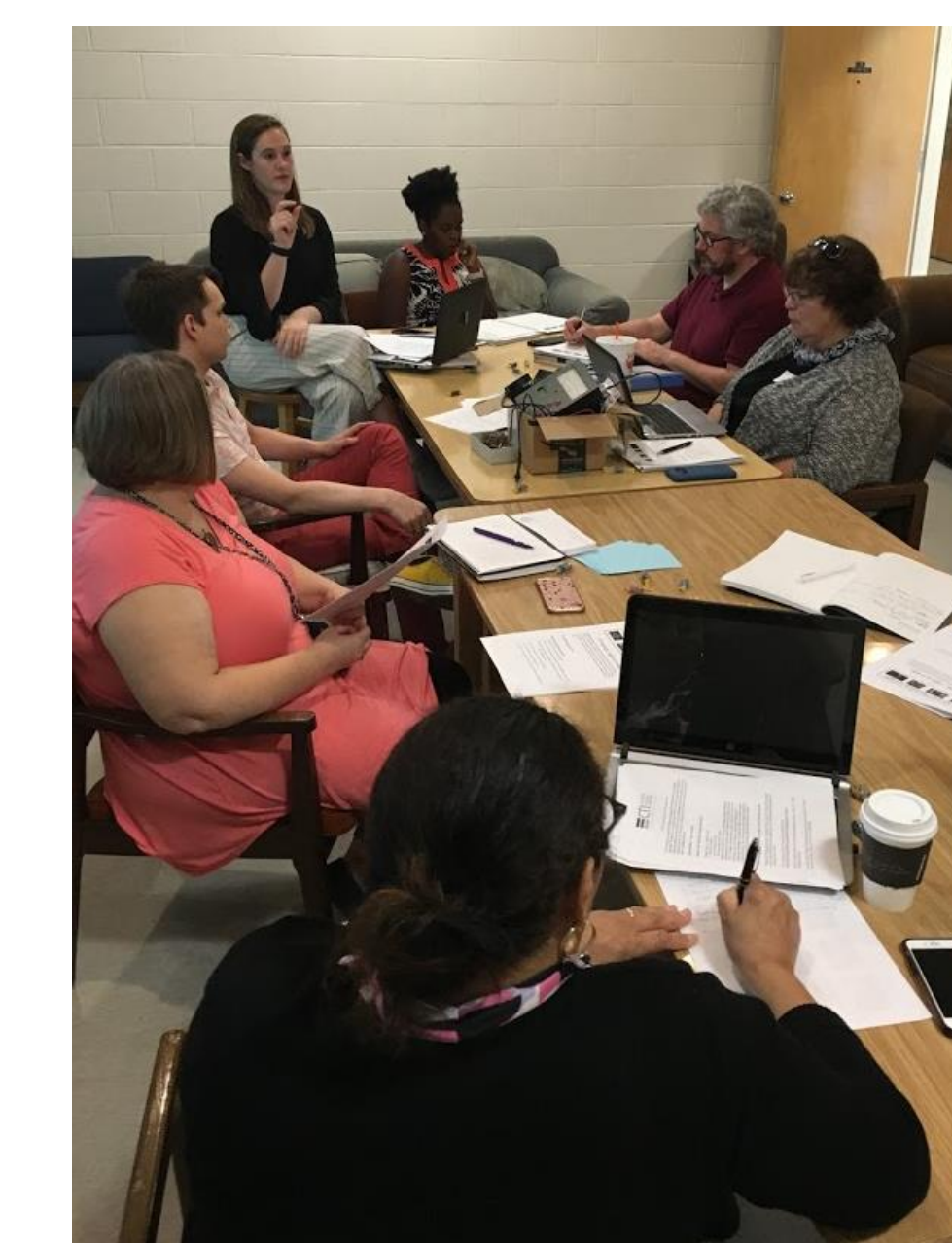


After-hours at the Bechtler!

Fun



CTI Fellow Teresa Strohl leads a painting activity for her mountain talk



CTI Fellows discussing formatting options for curriculum units

Leadership

Fellows developed and implemented new curriculum units for their school with confidence and expertise.

Collaboration

Fellows collaborated with a diverse group of K-12 teachers to explore evolving concept threads through the grade levels.

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