

WHO: CTE teachers in GPAEA

WHAT #1: Six, 1-hour meetings for Professional Development presenting the basic fundamentals of Lasers & Optics (Photonics) Technology.

1. Nature & Properties of Light
2. Optical Components
3. Light Sources & Laser Safety
4. Geometrical (ray) Optics
5. Physical (wave) Optics.
6. Principles of Lasers

These meetings will be recorded for future reference.

WHERE: ZOOM online.

WHEN: March – May, 2021:

Dates & Times to Be Determined based on CTE Teachers' feedback.

Best times and days for you.

WHY: Lasers and optics information that you will use in your courses.

Tell your students about the fun & excitement to be found in the field of lasers & optics.

HOW: Indian Hills is sponsoring through a National Science Foundation Grant.

Prof Frank Reed: Grant Director; creating and presenting.

COST: Grant funded.

WHAT #2: Four-day (8:00 a.m. to 4:00 p.m.), Photonics Institute.

Presentations, hands-on labs, company tours, expert panel, etc.

Qualifies for two recertification credits to be paid for by the grant.

WHERE: IHCC and local companies.

Subject to change due to pandemic.

WHEN: To Be Determined based on CTE Teacher's feedback.

Please reply soon. Best times and days for you.

WHY: To offer you greater knowledge about lasers and optics technology.

To better inform your students in choosing a life long career.

HOW: Indian Hills is sponsoring through a National Science Foundation Grant.

COST: Grant funded.

WHAT #3: Two-day (8:00 a.m. to 4:00 p.m.), Photonics Symposium.

Qualifies for two recertification credits to be paid for by the grant.

WHERE: Indian Hills classroom.

WHEN: August 2 & 3, 2021.

WHY: An opportunity to increase your knowledge about photonics (4 hours).

Allow you to put your hands on some cool components and do basic labs (12 hours).

Will benefit your students in choosing a life-long career.

HOW: Indian Hills is sponsoring through a National Science Foundation Grant.

Prof Frank Reed: Grant Director; creating and presenting.

COST: Grant funded.

Please respond with your questions and available dates & times at your earliest convenience.

Thank you,