

**Photonics Symposium 2021**  
Rural Iowa Photonics Education (RIPE), NSF DUE #1800935  
Indian Hills Community College (IHCC)

**Monday, August 2<sup>nd</sup> (all times subject to change):**

0800: Meet & Greet at IHCC's Advanced Technology Center (ATC), Room 106  
Enter IHCC's ATC from the West parking lot.

There will be four doors at the top of the stairs.

Go to the Reception Desk to inquire about directions

Early morning beverages/snacks

Getting acquainted

Name

What you do and Why do you do it?

Questions and Answers

0900: IHCC/RIPE (Developing Photonics Education in Iowa's Secondary Schools) presentation

0930: Lasers & Optics (Photonics Fundamentals) presentation

Material:

Booklet 1: *Photonics Program Planning Guide for High Schools*

Booklet 2: *Photonics Lab Manual for High Schools*

Booklet 3: Intro to Lasers & Optics Reference Guide for Instructors (file/online at <https://laser-tec.org/>)

Textbook: *Fundamentals of Light and Lasers*

Photonics Kits (LASER-TEC)

1130: Lunch: Campus Cafeteria/Café

1230: Finish presentation

1500: Lab Write-up procedure with format

1515: Several Hands-On Labs (TBD) from Lab Instruction Manual

Please observe how components are package and placed

First LAB 1-2A - Familiarization with Optical Equipment and Components

Second LAB 1-1B – Determining the Wave Length of Red Light

Various from the Photonics Kit Lab Instruction Booklet

1600: Done for the day

May leave labs set-up for tomorrow

**Tuesday, August 3<sup>rd</sup> (all times subject to change):**

0800: Meet & Greet with treats & Q&A.

0900: Several Hands-On Labs (TBD) from Lab Instruction Manual

Please observe how components are package and placed

Various from the Photonics Kit Lab Instruction Booklet

1130: Lunch: Campus Cafeteria/Café

1230: Several Hands-On Labs (TBD) from Lab Instruction Manual

Please observe how components are package and placed

Re-package and replace components into kit.

1500: Surveys and Admin Stuff

1600: Done for the day.