

2025 Nuclear Outreach Program for High School Teachers

July 29-31, Purdue University

Day 1

Tuesday, July 29

Time: 9 am - 4 pm EST

- Nuclear energy overview
- Radiation effects and uses
- Detector basics
- Tour of PUR-1 reactor and radiation lab

Day 2

Wednesday, July 30

Time: 9 am - 4 pm EST

- Isotopes and neutrons
- Fission and fusion
- Reactor designs
- Power production
- Nuclear fuel

Day 3

Thursday, July 31

Time: 9 am - 2 pm EST

- PUR-1 Digital Twin Tour
- Tour of PRIME lab
- Visit to PUMA facility and Thermal Hydraulics labs
- Campus tour

