

Team Research Challenge

- In teams of 4 you will select a piece of technology that relies on applications of the physics in this course. Each team member then researches the physics behind a different component. They discuss as a group outside class (in person, by Piazza, email, etc.) and produce a report. Then they present the report to the class, using (upto) one slide or diagram per person.

Ideas –your own suggestions encouraged!

- Radio/CD player [radio receiver, CD player, Battery, Speaker]
- Digital Camera [Optics, Image sensor, Flash, Display]
- X-ray imager [X-ray Source, Detector, Display, Safety]
- Nuclear power station [Reactor, Generator, Transmission, Safety and Control]
- Laptop computer [Hard Drive, Display, Optical Drive, Battery, CPU]
- Nuclear Weapons
- Electric Guitar
- Alternative Energy generation
- Medical Physics Applications

Reports are 300-500 words per person, plus a short introductory paragraph

Presentations will be scheduled by your recitation instructor