

2006-2665: HANDS-ON ACTIVITIES FOR TECHNOLOGICAL LITERACY

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Workshop: Hands-on How Things Work

Learning how favorite consumer products work can be an effective theme in technological literacy courses for non-engineers, first year engineering programs, and even engineering courses. In this workshop, participants will carry out hands on activities aimed at learning how things work. Workshop activities include taking apart a CD player to identify and observe the two-tiered control system for laser positioning and focus. Participants will also build an electrodynamic loudspeaker from simple components that can produce clear and loud sound. Other classroom-tested mechanical dissection and simple construction projects will be explained and demonstrated. Workshop participants will learn strategies and techniques for successful implementation of hands-on how things work activities.

Cost \$40

Limited to 20 participants