Tech Snacks: OTLE Gadgets

OTLE has a wide variety of "gadgets" available for faculty to check out for various teaching purposes—from GoPro cameras to Wacom tablets. We'll introduce the equipment we have available and show some examples of how they have been used in the past to create different learning experiences.

Video creation

Cameras

Camcorder — general purpose, fair weather and indoors; can capture the instructor and computer screen (when screen recorder is not an option)

GoPros — Weather resistant, very versatile; GoPro 8 is stabilized

SoloShot — Outdoor only with tracking (needs wireless mic for good audio)

Osbot — Indoor only, uses tracking and hand signals for operation

Owl — Small room meetings and electronically tracks speakers

Computer accessories

Webcams

Graphics tablets — replaces mouse for better freehand drawing

Document camera — similar to a webcam but pointing down

Software

Davinci Resolve — free video editing software

Zoom or **Screencast-o-matic** — screen recording

Examples

Programming an Allen-Bradley Micrologix 1100 Logic Controller (Spike Magelssen)

Gram stains of Staphylococcus and Streptococcus (Carol Reifschneider)

Krone 1290 HDP Square Baler (Jeremy Hoffman)

Soloshot with wireless Rode mic (test)

Photo creation

Cameras and accessories

Canon DSLR camera — two kit lenses, 18-55mm and 70-300mm

Macro lens — close up

Flash and ring flash for macro shots

Audio creation

Audio recorders

Single input
Boom directional microphones XLR
Zoom H6
Yeti microphones USB — plugs into desktop
ATR USB/XLR microphone — plugs into desktop or Zoom H6 recorder
Rode wireless microphone
Rode camera mounted boom microphone
Portable PAs — voice amplification with wired and wireless headsets
Jabras
Headsets

Software

[Audacity](#) — free audio editing software

Examples

[Recorded lecture](#) from Zoom H6 on lanyard, uploaded to YouTube (Katherine Williams)
[Tech Snack Stories](#) podcast uploaded to YouTube with [Tunes2Tube](#) (Lindsey Bennett)

Miscellaneous

Tripods — Standing, desktop, and webcam
Monopod — for tight areas and mobility
Projector (no screen available)

Library check-out equipment for students

Students will need their own micro or standard SD cards
Zoom audio recorders (2) (2GB micro sd card)
Camcorders (2) (32GB sd card)
ATR USB/XLR microphone (2)