

Recommended Video Tools & Equipment from

Webinar: Teaching with Video, sponsored by the Association of Natural Resource Extension Professionals.

Dr. Sanford Smith shared several tools he uses for video production:

Hardware

Caveat: Dr. Smith hesitates to recommend specific models of equipment for many reasons, Mostly, because what is best will depend on the phone and model number. AND the budget the person has

- **iPhone** – Used for filming all his educational videos.
- **Tripod** – Emphasized the importance of a sturdy, heavy tripod for stable video.
 - Preferred brand: Monfrotto.
 - *The heavier the more stable, those with fluid heads for video are best. I carry my tripod in a backpack when I head into the woods to work.*
- **Camera Clip** – Used to mount the phone to the tripod.
- **Lavalier Microphones (Lapel Mics):**
 - **Wired mic** – Initially used for reliability.
 - **Wireless mic set by Rode** – Preferred for interviews; includes dual mics and a receiver compatible with smartphones.
 - **Dead Cat Wind Cover** – Used to reduce wind noise during outdoor filming.
 - If someone wants to do videos with two people, they need to purchase a double set of mics for recording interviews.
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Software

- **Adobe Premiere Rush** – Used for video editing; described as user-friendly and sufficient for most educational video needs.
- **Adobe Express (mentioned)** – May have replaced Rush in some setups, with video editing capabilities.

Video Series

- **Learn Now Videos** – A series created by Dr. Smith for Penn State Extension, focusing on short, educational content.
- **Trail Cameras Video** – Mentioned as his favorite and most recent video, used to document wildlife.

Videos from Dr. Smith-

- Sign up for our free digital newsletter from the Pennsylvania State University Forestry and Wildlife Extension Team: <https://extension.psu.edu/forestry-team-sign-up> and watch our educational videos about a multitude of forestry and wildlife topics: <https://extension.psu.edu/forestry-videos> Lots of great forestry and wildlife articles and publications can also be found here too: <https://extension.psu.edu/resources-for-woodland-owners-and-managers>
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- 2021
- <https://extension.psu.edu/wear-fluorescent-orange-in-the-fall>
- <https://extension.psu.edu/timber-harvesting-essentials>
- <https://extension.psu.edu/understanding-forest-regeneration>
- <https://extension.psu.edu/connecting-children-with-nature>
- <https://extension.psu.edu/woodland-wisdom-part-1>
- <https://extension.psu.edu/nature-resources-for-educators-parents-and-youth>
- <https://extension.psu.edu/silent-survivors-the-winter-life-of-trees-video>
- <https://extension.psu.edu/woodlot-tour>
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- 2022
- <https://extension.psu.edu/woodland-wisdom-part-4-three-pitfalls-for-forest-landowners>
- <https://extension.psu.edu/service-forester-assistance-for-forest-landowners>
- <https://extension.psu.edu/young-forests-are-great-wildlife-habitat>
- <https://extension.psu.edu/woodland-wisdom-no-5-carbon-credits-and-forestland-owners>
- <https://extension.psu.edu/tree-shelter-cages-for-streamside-plantings-protect-trees-and-shrubs>
- <https://extension.psu.edu/forestry-aesthetics-and-nonprofessional-forestry>
- <https://extension.psu.edu/chainsaw-ppe-protects-people>
- <https://extension.psu.edu/chainsaw-safety-tips>
- <https://extension.psu.edu/wood-water-wildlife-and-work-profile-of-a-forest-steward>
- <https://extension.psu.edu/asian-jumping-worms-another-forest-foe>
- <https://extension.psu.edu/woodland-wisdom-part-2>
- <https://extension.psu.edu/woodland-wisdom-part-3-wildlife-habitat-enhancement>
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- 2023
- <https://extension.psu.edu/non-lead-ammo-for-deer-hunting>
- <https://extension.psu.edu/asian-jumping-worms-another-forest-foe>
- <https://extension.psu.edu/inspiring-future-forest-stewards>
- <https://extension.psu.edu/fire-in-the-woods>
- <https://extension.psu.edu/a-heart-for-his-forestland-profile-of-a-forest-steward>
- <https://extension.psu.edu/eastern-hemlock-health-update>
- <https://extension.psu.edu/pennsylvanias-spectacular-golden-eagle-migration>
- <https://extension.psu.edu/raptor-birding>

- <https://extension.psu.edu/woodland-amphibians-frogs-and-salamanders>
- <https://extension.psu.edu/woodland-reptiles-snakes-and-turtles>
- <https://extension.psu.edu/forest-birds>
- <https://extension.psu.edu/deer-and-forest-research>
- <https://extension.psu.edu/young-forest-habitat-improvement-for-wildlife>
- <https://extension.psu.edu/spectacular-hummingbirds>
- <https://extension.psu.edu/wild-turkey-population-swings>
- <https://extension.psu.edu/herbaceous-forest-openings-for-wildlife>
- <https://extension.psu.edu/white-tailed-deer-hide-and-seek>
- <https://extension.psu.edu/wildlife-habitat-is-the-top-priority>
- <https://extension.psu.edu/forest-stream-origins>
- <https://extension.psu.edu/above-a-pennsylvania-hawk-watch>
- <https://extension.psu.edu/wildlife-conservation-history-in-pennsylvania-part-1>
- <https://extension.psu.edu/wildlife-conservation-history-in-pennsylvania-part-2>
- <https://extension.psu.edu/chronic-wasting-disease-update-for-white-tailed-deer-hunters-and-landowners>
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- 2024
- <https://extension.psu.edu/pennsylvanias-forest-stewards-volunteers>
- <https://extension.psu.edu/deer-keds-blood-thirsty-bugs>
- <https://extension.psu.edu/what-are-competing-and-invasive-forest-plants>
- <https://extension.psu.edu/high-grade-timber-harvesting-is-bad-news-for-forest-landowners>
- <https://extension.psu.edu/invasion-ecology-and-horizon-scanning-for-invasive-organisms>
- <https://www.youtube.com/watch?v=ocnZPFZviJl> (Topic: Why 4-H Shooting Sports?)
- <https://extension.psu.edu/great-american-kestrel-conservation>
- <https://extension.psu.edu/no-ugly-forest-moths>
- <https://extension.psu.edu/do-insects-matter-to-people>
- <https://extension.psu.edu/the-forestry-musician>
- <https://extension.psu.edu/team-jacksons-mountain-meadows-tree-farm>
- <https://extension.psu.edu/forestland-dream-business>
- <https://extension.psu.edu/songs-from-the-woods-old-growth-to-mouth-bows>
- <https://extension.psu.edu/wild-native-trout-surprising-new-information-about-brookies>
- <https://extension.psu.edu/hardwoods-are-us>
- <https://extension.psu.edu/novel-stream-restoration-method-for-wild-trout-and-ecosystem-health>
- <https://extension.psu.edu/lessons-from-the-land-a-state-foresters-advice>
- <https://extension.psu.edu/hunting-spalted-wood-treasure>
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- 2025
- <https://extension.psu.edu/tree-burl-breakdown>
- <https://extension.psu.edu/mini-maple-sugaring>

- <https://www.youtube.com/watch?v=VeWfCwvH1PM&t=3s> (Produced by WPSU on The Penn State Arboretum's Hartley Wood)
- <https://extension.psu.edu/discovering-forest-history>
- <https://extension.psu.edu/forest-iron-blues>
- <https://extension.psu.edu/bent-wood-beautiful-strength>
- <https://extension.psu.edu/the-green-illusion>
- <https://extension.psu.edu/hope-for-our-forests>
- <https://extension.psu.edu/wild-bird-wisdom>
- <https://extension.psu.edu/ethan-tapper-on-the-shape-of-forest-stewardship>
- <https://extension.psu.edu/what-is-a-slash-wall>
- <https://extension.psu.edu/forest-stewardship-friends>
- <https://extension.psu.edu/go-lead-free-for-wildlife>
- <https://extension.psu.edu/forest-mycology-101>
- <https://extension.psu.edu/spying-on-wildlife>