

Online Tools for Horticulture Education

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Class interaction is possible (and encouraged)

- Twitter. Microblogging platform
<https://twitter.com/>
- Zoom. Video conference software with live polling tool
<https://zoom.us/>
- Poll Everywhere. Web browser-based live polling tool
<https://www.polleverywhere.com/>
- Mentimeter. Presentation tool that includes live polling options
<https://www.mentimeter.com/>

Don't build a course, build an experience

- TED. Curated video database
<https://www.ted.com/>
- YouTube. User-upload video database
<https://www.youtube.com/>

It is OK to teach a rigorous course

- Proctor U, Honorlock. Web-based proctoring for online exams
<https://www.proctoru.com/>
<https://honorlock.com/>
- TurnItIn. Authenticity checking tool
<https://www.turnitin.com/>

An image is worth 1,000 words

- Plant Illustrations Figshare. Free, curated image bank
https://figshare.com/authors/Plant_Illustrations/3773596
- Pexels. Free, professional image bank
<https://www.pexels.com/>
- Shutterstock. Paid, professional image bank
<https://www.shutterstock.com/>

Stand in the shoulders of giants

- Teaching Tools in Plant Biology, HortTechnology. Peer-reviewed teaching materials in plant biology and horticulture
<http://www.plantcell.org/content/teaching-tools-plant-biology>

<https://journals.ashs.org/horttech/view/journals/horttech/horttech-overview.xml>

- Coursera. Free, online courses
<https://www.coursera.org/>

Take your students on a virtual field tour

- 360cities, Google Expeditions. Free repositories for virtual reality tours
<https://www.360cities.net/>
<https://edu.google.com/products/vr-ar/expeditions/>

This is a great time to use web-based tools

- BioRender. Browser-based illustrator with scientific templates
<https://biorender.com/>
- Google Docs. Live collaboration tools similar to MS Office platform
<https://docs.google.com/>

Virtual objects can be used for inquiry-driven lessons

- ArqSpin. Web-based tool to create 360-degree objects from pictures
<https://arqspin.com/>
- Smithsonian 3D Digitization Site. Repository for 3D scanned objects from the Smithsonian Institution collection
<https://3d.si.edu/>

Use QR codes for transitions and document deliveries

- The QR Code Generator. Create QR codes that link to websites and files
<https://www.the-qrcode-generator.com/>