



**VCS @ Home Learning with Career
and Technical Education
Grades 9-12**

Business Education

<https://www.mbaresearch.org/local-educators/teaching-resources/online-learning-center/>

Ag Science

<https://wakelet.com/wake/ffof657d-bba2-480f-bae4-a113e54f29f1>

Engineering and Technology and STEM

- [STEM at Home](#) from Learning Blade
- [STEM in 30](#) from the Smithsonian Institution
- [STEM teaching resources](#) from NASA
- [ScienceBuddies](#) offers free lessons, activities, projects, videos and other resources for teachers, students and parents
- [TeachEngineering](#) from the University of Colorado Boulder offers a digital library of more than 1,500 K-12 engineering curricular items aligned with Next Generation Science Standards, such as lessons, hands-on activities and maker challenges
- [OnShape.com](#) offers free CAD for parts, assemblies, drawings and basic CAM
- [James Dyson Foundation design engineering resources](#)

Health Sciences

- Free resources from [Anatomy in Clay](#)
 - <https://www.anatomyinclay.com/free-resources>
- [Great Diseases online curriculum](#) from Tufts University School of Medicine Center for Science Education
- <https://sites.tufts.edu/ctse/great-diseases/>
- [Teaching Tomorrow's Disease Detectives: Science skills for the problem-based world](#) from the CDC.
 - CDC Science Ambassador Program



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Family and Consumer Science

- Culinary instructional videos from the National Center for Hospitality Studies, Sullivan University
 - Visit: Sullivan University for Hospitality Studies
- Virtual tours of restaurants and hotels around the world: <http://www.virtualfieldtrips.edu.au/vft/index.html>
- ServSafe offers free videos for culinary students

Trade and Industry

- Contact **local, regional or national heavy equipment companies** and inquire about training materials.
- How It's Made has a playlist of heavy machinery and construction videos
- National Geographic's Megafactories brings manufacturing giants to life
- Construction design 3-D modeling software from SketchUp

Career Exploration/Career Development and Credential support

- Free resources from the Association for Career and Technical Education, including CTE Learn Workplace Skills Tutorials and the Career Ed Lounge for communicating with your peers.
- SkillsUSA Career Essentials -This fundamental experiences course provides a comprehensive structure for supporting secondary students in exploring, developing and practicing essential career-readiness skills. This can be accomplished as an online course or a hybrid experience.
- Career planning tools about career pathways and the employability skills required for success in the global economy from the Center for Global Education at Asia Society, ACTE and Advance CTE.
- Nepri offers virtual field trips and other real-world career exploratory experiences as well as a skills-based volunteering platform for organizations to extend education outreach and build a future workforce.
- O*Net's Interest Profiler helps students decide what kinds of careers they might want to explore
- OSHA (the Occupational Safety and Health Administration) offers online training materials
- Goodheart-Wilcox Learning Companion digital curriculum and activities



**VCS @ Home Learning with Career
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Grades 6-8**

Modules are available for Entrepreneurship, Financial Literacy, Work and Career Readiness

- [Next Generation Personal Finance](#)
- [Skills to Succeed \(S2S\) Academy](#)
- Virtual Work Based Learning resources for students. <https://www.pinterest.com/a4e0004/> created/
- [Roadtrip Nation](#)  Multimedia resources for interest-based career exploration and industry connection.

Career Technical Student Organization (CTSO) Resources

- [Future Business Leaders of America \(FBLA\)](#) 
- [Future Farmers of America \(FFA\)](#) 
- [Health Occupations Students of America \(HOSA\)](#) 
- [SkillsUSA](#) 

Learning Styles Inventories

[Education Planner Learning Styles Quiz](#) <https://www.learning-styles-online.com/inventory>

Xello.com on Powerschool