

Distance Learning and Classroom Resources Sorted by Topic Updated 9.01.21

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General

- [Measurement Stations](#)
- [Magnetic Ag](#) newsletter
- AgriNovus [Field Atlas](#)- is a great tool to use in the classroom for career exploration
 - Use the [Lesson Plan](#) for a structured class activity
- Speaker Series: Faces of Agriculture and USDA
 - This virtual speaker series will feature current U.S. Department of Agriculture (USDA) researchers, scientists, technicians, engineers, foresters and other STEM-related program managers. These sessions will allow students from high school and college to engage with current USDA professionals and learn about their stories, career paths, and the exciting projects and initiatives they are working on that serve the public interest—all while helping to inspire the next generation of the agricultural workforce. To register, click [here](#).
- History
 - [Friday Footnote](#) by Gary Moore
 - [Indiana AgEd History](#) website by Dr. Jerry Peters
- American Farm Bureau Foundation for Ag presents [When I Grow Up: Discover Ag Careers Curriculum](#)
- Agriculture in a Trying Time: An Interview with Sonny Perdue, U.S. Secretary of Agriculture. Recently, the 2019-20 National FFA Officer Team hosted a virtual interview with the U.S. Secretary of Agriculture Sonny Perdue. Check out this [turn-key resource](#) to engage students while watching the interview.
- She Farms It
 - The YouTube Channel is: <https://www.youtube.com/watch?v=ObGRBLPiawc>
 - The Facebook Page is: https://www.facebook.com/SheFarms-It-111824957130330/?view_public_for=111824957130330
- National FFA Remote Teaching Resources: <https://www.ffa.org/remote-classroom/>
- Roger Carr sent an email with a variety of lessons. Use the following link to access <https://drive.google.com/drive/folders/1rZPSNYGUK2PrjVeMyzUdxAH7qpPQ2P5d?usp=sharing>
- NAAE Communities of Practices: <https://communities.naae.org/community/instruction/online-distance-learning-resources>
- Ag Education Discussion Lab Facebook: <https://www.facebook.com/groups/ageddiscussionlab/>
- Indiana Ag Ed Discussion Lab Facebook: <https://www.facebook.com/groups/158942461126962/>
- Purdue University Digital Resources: <https://drive.google.com/file/d/15H0e6MIMkX29jB4cklQJYHBvP1voFsD-/view?usp=sharing>

- Purdue Agriculture YouTube Channel:
<https://www.youtube.com/channel/UCg2oiCiCJP8FShWRvtEf-MQ>

Middle School

- American Dairy Association Indiana presents [Virtual Farm Tours](#)
- [Journey 2050](#)- is a free, online program on world food sustainability that includes a virtual simulation game. Designed for grades 7-12, the game created by Nutrien, Ltd., provides students with an opportunity to consider the question: “How will we sustainably feed nearly 10 billion people by the year 2050?”
 - [Middle School lessons](#)
 - [eLearning modules](#)
- [Integrating SAE for All into the Middle School Classroom](#)
- National FFA- Check out the various [middle school resources](#) on FFA.org. You will find two full lesson sets aligned to educational standards, created for middle schoolers or those in intro-level classes within agriculture.
- Purdue College of Agriculture Educational Resources Google Sheet-
<https://docs.google.com/spreadsheets/d/1UJhhf1GEK3GQIM17Jymki7Olvs1hWBTz98pDpLRYyJ8/edit?usp=sharing>
- National Ag Institute
 - *Just the Facts: Introduction to Agriculture*-
<https://drive.google.com/drive/folders/1WkTRr8H9gBpeOt2jw1ZPxx5-H0SBcgCb?usp=sharing>

Agribusiness Management

- [Food Science and Ag Business Gummy Lab](#)
- Minnesota Google Drive
 - The Impacts of COVID-19 on the Agricultural Supply Chain-
https://drive.google.com/drive/folders/13g8ndwiZdS1D9-7Ik1b9cw1T_CoIBqTO
 - Cookie Business Project-
<https://drive.google.com/drive/folders/1Ir1cpe89-DaNb1HPWU4ZxuAXLy3IYzU>
- National FFA
 - AFNR Value Chain- <https://www.ffa.org/value-chain/>
- Iowa PBS
 - Agribusiness Marketing- <http://www.iowapbs.org/mtom/classroom>
- Everfi
 - Financial education lessons- <https://www.everfi.com/>
- Indiana Council for Economic Education (ICEE):<http://www.econed-in.org/resources.asp>.
- Missouri state curriculum for ag business

- You would go to <https://missouriffa.org/>. Once at the site, click on the curriculum tap, the login is MVATA and the password is TeachAg!. It is completely free and aligned for personal finance as well.

Animal Science

- American Dairy Association Indiana presents [Virtual Farm Tours](#)
- Gross Anatomy of Female Bovine and Porcine Reproductive Tracts by Miranda McGuire and Elizabeth Simmermeyer, Purdue Graduate Students. [YouTube Playlist](#) includes the following topics.
 - Dissection of a chicken shell gland with almost developed egg
 - Testicular anatomy and function
 - Male Repro Tract (Ram)
 - Hen Repro Tract
 - Overview of ruminant digestion
 - Monogastric digestive tract
 - Comparing a goat and sheep digestive tract
 - Overview of poultry digestive tract
 - Overview of AI
 - Ovulation and follicles on cow and sow repro tracts
 - Overview of cow and sow repro tracts
 - [Overview of Cow & Sow Repro Tracts](#)
 - [Ovulation & Follicles on Cow & Sow Repro Tracts](#)
 - [Overview of Artificial Insemination](#)
- Indiana Pork is sharing the at-home lesson plans that the National Pork Board has put together for agriculture advisors to share with their students. The link below will direct you to the landing page for lesson plans. All lesson plans are able to be downloaded in a PDF version.
 - <http://ymiclassroom.com/lesson-plans/pork-family/>
 - If there is a specific topic area around pork production that you would like to cover with your classes, please let me know by emailing me at sjmorris@inpork.org. I will do my best to put a virtual lesson plan outline together to meet your needs and the standards.
- National FFA
 - Animal Systems- The [Careers With Animals lesson series](#) was created in a partnership between National FFA and Purdue University–Animal Sciences. The set features six lesson plans that will explore careers within the animal industry.
- Purdue College of Agriculture Educational Resources Google Sheet- <https://docs.google.com/spreadsheets/d/1UJhhf1GEK3GQIM17Jymki7Oivs1hWBTz98pDpLRYyJ8/edit?usp=sharing>
- ACT (Animal Care Technologies)- We are giving all school programs 30 days free access to our streamline learning management system with over 900 videos and over 90 courses to help teachers during these tough times. ACT brings real-world veterinary

training and education to your students and even offers certification opportunities through our VMA approved CVA programs. See some of our sample videos [HERE](#). For anyone interested in getting started, please email me the name of your school and how many students you have - kyle.rodriques@4act.com

- Texas Beef Council- The Texas Beef Council recently launched [Raw Truth About Beef interactive learning platform](#) that delivers a behind-the-scenes look at the beef production process from pasture to plate. The program follows a registered dietitian nutritionist and an executive chef on a tour through the beef life cycle. To learn how cattle are raised, they visit a purebred ranch, a cow/calf ranch, and tour a feedyard. Stops at a processing facility, a distributor, a retail store, and a restaurant explore how beef becomes a safe, nutrient-dense protein source. The following documents will walk you through details about the platform, how to use it with your [agriculture](#) or [culinary](#) students online, and information on how you can track the progress of your individual students. You have two options to incorporate this into your classroom for distance learning:
 - We've created a Raw Truth About Beef class in GoogleClassroom for both agriculture and culinary students. It has all the resources and assignments built-in for your convenience. If you'd like to be added to this course as a co-teacher, email [Audrey Denney](#). From there you can copy the course and assign it to your students. If your school district doesn't allow you to be added to courses outside of your domain. Use these documents to easily re-create the GoogleClassroom course ([Agriculture Course](#) and [Culinary Course](#)).
 - If you'd prefer your students use the web-based platform, email Audrey and she will set up your class with a unique registration link. She will then be able to send you reports of which of your students viewed the materials.
- Chicken Wing Dissection-
 - Worksheet- <https://missross.webs.com/ap%20bio%20spring/Chickenwinglab.pdf>
 - Video- <https://www.youtube.com/watch?v=OusR-Xx3XEQ> – full dissection
 - <https://www.youtube.com/watch?v=QnDprlGfRdg> - Part 1
 - <https://www.youtube.com/watch?v=teSMpbkXHac&t=6s> – Part 2
- Sara Searcy shared her digital basic animal genetics project for those wrapping up that unit if anyone is interested. I just adapted it to digital, so it may need some adjustments for your course. <https://sites.google.com/bcsc.k12.in.us/calfgeneticsproject/home>
- National Ag Institute
 - *Just the Facts: Introduction to Animal Science-*
<https://drive.google.com/drive/folders/1m6jWg4DOkoMJB26EJPwIHqDd2QErXKkj?usp=sharing>
- ExtensionHorses.org, The course is called Extension Horses Online, and is available at: <https://campus.extension.org/enrol/index.php?id=1795>. Stay tuned to our Facebook Page <https://www.facebook.com/ExtensionHorses/> for other courses that may become available, and other resources that might help you through this crisis.

Plant and Soil Science

- [Journey 2050](#)- is a free, online program on world food sustainability that includes a virtual simulation game. Designed for grades 7-12, the game created by Nutrien, Ltd., provides students with an opportunity to consider the question: "How will we sustainably feed nearly 10 billion people by the year 2050?"
 - [High School lessons](#)
 - [eLearning modules](#)
- Purdue College of Agriculture Educational Resources Google Sheet-
<https://docs.google.com/spreadsheets/d/1UJhhf1GEK3GQIM17Jymki7Olvs1hWBTz98pDpLRYyJ8/edit?usp=sharing>
- National Ag Institute
 - *Just the Facts: Introduction to Plant Science*-
<https://drive.google.com/drive/folders/1mXLepazLW29KNoBdDSHnsYP8NVnuTk0-?usp=sharing>
 - *Just the Facts: Introduction to Soil Science*-
https://drive.google.com/drive/folders/1dqqgmFbmGJZ1N1hzR9crvnSnuX3A_uKk?usp=sharing
- [Living Soil](#) documentary by the Soil Health Institute

Horticulture

- Floriculture
 - Bloomy Pro (virtual flower arranging) is offering [FREE Trials](#)
- Xploration Station- Food Science, Aquaculture, Marine Biology, Natural Resources, Wildlife Management, Horticulture, National Park Exploration. ALSO if you click on the top Home bar, click on Watch Full Episodes <https://xplorationstation.vhx.tv/> and scroll down and you will see all of the other Xploration Station Series -- All very well done things and so many great up to date things and also these are done NOT for just for adults but also most are geared directly to kids ages we teach.
- Louisiana Virtual Lessons: Floriculture- <http://www.la-ffa.org/e-learning>
- Minnesota Google Drive
 - Plant Science Distance Learning Card Assignment-
<https://docs.google.com/document/d/1D7sgPW5PngrNGGcEdWGyUuWvbaV4p0ql8eoQX3iXB8w/edit>
 - Horticulture Final Project Choice Board-
<https://drive.google.com/drive/folders/1oXRTSoNoiXxdd8i7mgO3gAQGIOK8d6Me>

Food Science

- [How to Read Food Labels](#)- the Center for Agriculture and Food Systems (CAFS) at Vermont Law School launched a newly-revamped website that “unwraps” the laws behind food labels.
- [Food Science and Ag Business Gummy Lab](#)
- American Dairy Association Indiana presents [Virtual Farm Tours](#)
- Indiana Beef Council presents [Beef in the Classroom](#)
- Indiana Pork is sharing the at-home lesson plans that the National Pork Board has put together for agriculture advisors to share with their students. The link below will direct you to the landing page for lesson plans. All lesson plans are able to be downloaded in a PDF version.
 - <http://ymiclassroom.com/lesson-plans/pork-family/>
 - If there is a specific topic area around pork production that you would like to cover with your classes, please let me know by emailing me at sjmorris@inpork.org. I will do my best to put a virtual lesson plan outline together to meet your needs and the standards.
- Purdue: Milk 101
 - The College of Agriculture's PK-12 Council is proud to present its first collaborative *Virtual Agri+STEM Lesson!* This lesson, entitled “*Milk 101*”, will be hosted and taught by *Pat Polowsky, a Ph.D. Student in ASEC*. Please spread the word and join us via livestream on Sunday, April 5th @ 2:30 p.m. EDT. The live-stream and PDF handouts can be accessed via the link: <http://cheesescience.org/milk101>.
- Texas Beef Council- The Texas Beef Council recently launched [Raw Truth About Beef interactive learning platform](#) that delivers a behind-the-scenes look at the beef production process from pasture to plate. The program follows a registered dietitian nutritionist and an executive chef on a tour through the beef life cycle. To learn how cattle are raised, they visit a purebred ranch, a cow/calf ranch, and tour a feedyard. Stops at a processing facility, a distributor, a retail store, and a restaurant explore how beef becomes a safe, nutrient-dense protein source. The following documents will walk you through details about the platform, how to use it with your [agriculture](#) or [culinary](#) students online, and information on how you can track the progress of your individual students. You have two options to incorporate this into your classroom for distance learning:
 - We’ve created a Raw Truth About Beef class in GoogleClassroom for both agriculture and culinary students. It has all the resources and assignments built-in for your convenience. If you’d like to be added to this course as a co-teacher, email [Audrey Denney](#). From there you can copy the course and assign it to your students. If your school district doesn’t allow you to be added to courses outside of your domain. Use these documents to easily re-create the GoogleClassroom course ([Agriculture Course](#) and [Culinary Course](#)).

- If you'd prefer your students use the web-based platform, email Audrey and she will set up your class with a unique registration link. She will then be able to send you reports of which of your students viewed the materials.
- Xploration Station- Food Science, Aquaculture, Marine Biology, Natural Resources, Wildlife Management, Horticulture, National Park Exploration. ALSO if you click on the top Home bar, click on Watch Full Episodes <https://xplorationstation.vhx.tv/> and scroll down and you will see all of the other Xploration Station Series -- All very well done things and so many great up to date things and also these are done NOT for just for adults but also most are geared directly to kids ages we teach.
- Louisiana Virtual Lessons: Food Packaging - <http://www.la-ffa.org/e-learning>
- Minnesota Google Drive
 - Food Tech Distance Learning- Located on the Minnesota-
<https://docs.google.com/document/d/1rAhQRwker6zrHjG2I17eyW40Ugt4LUc5UZuGXd0LmT4/edit>
- Wisconsin Google Drive
 - Superior Fresh Foodie-
<https://drive.google.com/drive/folders/12TA13dXd-bUM5R7qzBdp-C31IAoDtvlu>
- Food Science- Mrs. Moehr's FACS Website-
<https://lamoehr.weebly.com/food-science.html>

Technology, Science, Research and Entrepreneurship

- In-Demand Digital Skills Training From Microsoft
 - Microsoft has committed to helping 25 million people worldwide who have lost their jobs because of COVID-19 by reskilling for in-demand roles in a more digital economy. Microsoft, LinkedIn, and GitHub are bringing together the best of their resources to develop skills for in-demand jobs, offer certificates to show employers and provide resources to help job seekers prepare for a successful job search. These [learning opportunities](#) are available for free until March 31, 2021.
- Minecraft Education Global Classroom Championship
 - National FFA has partnered with Microsoft to enhance digital literacy in FFA members. As a result of this relationship, FFA members can participate in the international Minecraft Education Global Classroom Championship, offered by Minecraft: Education Edition. Participants aged 8-18 are invited to design and build their solutions to an environmental problem in Minecraft: Education Edition. Creations may be completed and submitted individually, in teams or by the FFA advisor. The top 10 FFA participants will receive additional recognition from National FFA.
 - The challenge is to design and build a space in Minecraft: Education Edition that supports a healthy environment for both humans and animals. Choose between designing a school, home, work, or public space and select a biome or habitat.

- Check out [Minecraft: Educational Edition Global Build Championship](#) for information on how to participate. The release date for the championship is Oct. 3; it closes Nov. 6. Advisors who are new to Minecraft: Education Edition can get started [here](#).
- FFA Blue 365 Lesson plans, case studies, etc- <https://www.ffa.org/blue365/>
- Purdue College of Agriculture Educational Resources Google Sheet- <https://docs.google.com/spreadsheets/d/1UJhhf1GEK3GQIM17Jymki7Olvs1hWBTz98pDpLRYyJ8/edit?usp=sharing>
- Smart Science Virtual Labs- Offering free 90 days access to all 300 Smart Science® Labs from grades 3-12 (30+ per grade level). Smart Science® Labs are virtual science labs that closely simulate a hands on laboratory experience. You will receive a free webinar PD to get your staff up and running quickly once you opt in to this opportunity to share our online science labs with your science students.
 - Fill out this form to get Smart Science® Labs now: <https://www.smartsience.online/contact-us>
 - Watch a tour video of the program here: <https://youtu.be/ID9zoPDlkfw>
- Virtual Microscope- <https://www1.udel.edu/biology/ketcham/microscope/scope.html>
- McGraw Virtual Labs- https://www.mhhe.com/biosci/genbio/virtual_labs_2K8/
- Biology Corner- <https://www.biologycorner.com/>

Ag Power, Structure and Technology

- [Measurement Stations](#)
- Purdue College of Agriculture Educational Resources Google Sheet- <https://docs.google.com/spreadsheets/d/1UJhhf1GEK3GQIM17Jymki7Olvs1hWBTz98pDpLRYyJ8/edit?usp=sharing>
- Grain Bin Clean Extended Learning- https://drive.google.com/file/d/1mLiYMDMm7qtSGu_tr4Q7faAwRZu7VP5/view?usp=sharing
- Tractor History in America Extended Learning- https://drive.google.com/file/d/1WV7_NuaV0p7D56mcwJla5XtelOePr9Ar/view?usp=sharing
- Gearing Up for Safety
 - The curriculum is totally free and can be accessed at www.agsafety4youth.info. The site is under development but you can access the following:
 - [15 PowerPoints](#) –(lesson 13 on animal safety is still under development). The PowerPoints contain high quality graphics, videos clips and engaging activities
 - [15 instructor notes](#) – great for sharing with students to provide a better distance-based learning experience
 - [Student activity pages](#) – Each lesson has 2 to 3 engaging student activities to enhanced the students’ learning experiences
 - [Answer sheets for the student activities](#) – Please note that all of the PDFs in this section have been password protected in an effort to limit student access. *The password for each PDF in the answer sheet section is “Tractor”. The password is*

case sensitive. Tractors are the most common farm machine involved in fatal farm accidents. They historically have been involved in nearly 50% of all fatal farm accidents.

- Competencies – Each lesson has 10 to 20 learning objectives.
- Openbook by Miller- <https://openbook.millerwelds.com/>
- AgSafety4u Certificate Course- <https://ag-safety.extension.org/agsafety4u-certificate-course/>
- Minnesota Google Drive: Distance Learning Liability Release Form- https://drive.google.com/drive/folders/1UA0dCg3-LGjMhHzVeAu5a_iZkeN6dlg_
 - This is within the Google Drive shared from Minnesota
- Kansas Google Drive: Ag Mechanics Choice Board- <https://drive.google.com/drive/folders/1e-KMquWNw5DhmeYr4yWKkFwjw9yhDCHp>
- Louisiana Virtual Lessons: Small Engines- <http://www.la-ffa.org/e-learning>
- Teaching Ag Mechanics at a Distance-Tips, Tools & Resources
- ○ April 16, 2020 @ 1:30pm
- ○ More information found on their Facebook page- https://www.facebook.com/pg/NAAEagedu/events/?ref=page_internal
- Georgia AgEd
 - [Drawing 3 way & 4 way switch circuits in Powerpoint](#)
 - [Drawing Electrical circuits in Powerpoint](#)
 - [Drawing Electrical circuits in Powerpoint Video Tutorial](#)
- [California Ag Mech Projects](#). Great resource for other Ag Mech teachers to connect. Also, some pretty cool resources [HERE](#).

Safety

- The Safety in Agriculture for Youth (SAY) Clearinghouse is a grant-funded resource, through the U.S. Department of Agriculture and National Institute of Food and Agriculture, to develop a sustainable and accessible national clearinghouse for agricultural safety and health curriculum. The source includes multiple lesson plans in various pathway areas. [Check out this excellent resource today](#).
- Purdue College of Agriculture Educational Resources Google Sheet- <https://docs.google.com/spreadsheets/d/1UJhhf1GEK3GQIM17Jymki7Oivs1hWBTz98pDpLRYyJ8/edit?usp=sharing>
- Gearing Up for Safety
 - The curriculum is totally free and can be accessed at www.agsafety4youth.info. The site is under development but you can access the following:
 - [15 PowerPoints](#) –(lesson 13 on animal safety is still under development). The PowerPoints contain high quality graphics, videos clips and engaging activities
 - [15 instructor notes](#) – great for sharing with students to provide a better distance-based learning experience
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- Answer sheets for the student activities – Please note that all of the PDFs in this section have been password protected in an effort to limit student access. *The password for each PDF in the answer sheet section is “Tractor”. The password is case sensitive.* Tractors are the most common farm machine involved in fatal farm accidents. They historically have been involved in nearly 50% of all fatal farm accidents.
- Competencies – Each lesson has 10 to 20 learning objectives.

Landscape Management

- Minnesota Google Drive: [Free Landscape Design Website-
https://drive.google.com/drive/folders/1bvxnuZaIFlb7ibuLKE4e69aFmTpOSm](https://drive.google.com/drive/folders/1bvxnuZaIFlb7ibuLKE4e69aFmTpOSm)
- Louisiana Virtual Lessons: Landscape Math- <http://www.la-ffa.org/e-learning>
- Sports Turf Managers Association: To access sessions from 2019, please follow these instructions: [ACCESS THE ONLINE LIBRARY NOW!](#)
 - Username: STMA-Library-User-2019
 - Password: my_library_access_2019
 - [STMA Career Promotional Flyer](#)
- Web-based landscape design program with a free one week trial: <https://www.smartdraw.com/landscape-design/>

Natural Resources

- [Journey 2050](#)- is a free, online program on world food sustainability that includes a virtual simulation game. Designed for grades 7-12, the game created by Nutrien, Ltd., provides students with an opportunity to consider the question: “How will we sustainably feed nearly 10 billion people by the year 2050?”
 - [High School lessons](#)
 - [eLearning modules](#)
- Biofuels Lessons from Growth Energy
 - Growth Energy and the [National Association of Agricultural Educators](#) have developed a one-of-a-kind biofuels [curriculum](#) for high school students. The curriculum is the first industry-supported biofuels curriculum that provides students a guided in-classroom experience and offers ag educators the tools to teach an array of technical skills and history.
- Purdue College of Agriculture Educational Resources Google Sheet- <https://docs.google.com/spreadsheets/d/1UJhhf1GEK3GQIM17Jymki7Olvs1hWBTz98pDpLRYyJ8/edit?usp=sharing>
- Xploration Station- Food Science, Aquaculture, Marine Biology, Natural Resources, Wildlife Management, Horticulture, National Park Exploration. ALSO if you click on the top Home bar, click on Watch Full Episodes <https://xplorationstation.vhx.tv/> and scroll down and you will see all of the other Xploration Station Series -- All very well done

things and so many great up to date things and also these are done NOT for just for adults but also most are geared directly to kids ages we teach.

- National FFA
 - Sustainability in Agriculture Lesson Series- If you want more about the agricultural process and sustainability throughout the value chain, check out the brand new [Sustainability in Agriculture Lesson Series](#), sponsored by Valent, to help students understand how sustainability plays an essential role throughout agriculture.
- Project Learning Tree- <https://www.plt.org/curriculum/teaching-with-itree/>
- Calculating the value of a tree
 - National Tree Benefit Calculator- <https://www.arborday.org/calculator/>
 - Purdue Extension- <https://www.extension.purdue.edu/extmedia/FNR/FNR-473-W.pdf>
- Minnesota Google Drive
 - Natural Resources Choice Board- https://docs.google.com/document/d/1_J13WFBLv6So9-2rleQjzIMzvlqLsWnDbC9FwO9Y8zo/edit
 - National Park Project- https://drive.google.com/drive/folders/1iNsCq3SR9JMGJzd_D4B24aVAkbeYneW5
- Wisconsin Google Drive
 - National Parks Exploration- <https://drive.google.com/drive/folders/1KoScfqj-wet5vNaJ7S-K6ZbXFzjDKkR->

Sustainable Energy Alternatives

- Biofuels Lessons from Growth EnergyGrowth
 - Energy and the [National Association of Agricultural Educators](#) have developed a one-of-a-kind biofuels [curriculum](#) for high school students. The curriculum is the first industry-supported biofuels curriculum that provides students a guided in-classroom experience and offers ag educators the tools to teach an array of technical skills and history.
- Purdue College of Agriculture Educational Resources Google Sheet- <https://docs.google.com/spreadsheets/d/1UJhhf1GEK3GQIM17Jymki7Olvs1hWBTz98pDpLRYyJ8/edit?usp=sharing>

CDE/LDE Classroom Resources

- SIU Horse Evaluation
 - We have transformed all of the videos used for the contest into videos you can use to teach Horse Evaluation and prepare your team for future competitions. The videos are separated by class and have the placings at the end of each video. To view the Horse Evaluation Classes, please click the link below:

https://www.youtube.com/watch?v=hfc5tuJH8_8&list=PLeJFaBFb62Rfdw6USMHzMkdEUe44BNFWB

- To see the official placings and hear the judge's reasoning, please click the link below:
<https://www.youtube.com/watch?v=zusEDNrMNZ8&list=PLeJFaBFb62Rfdw6USMHzMkdEUe44BNFWB&index=10>
- The College of Agricultural, Life, and Physical Sciences would love to connect with you and your students! Our Agbassador team would love the opportunity to virtually visit your classroom and allow your students to learn more about SIU and what it means to be a Saluki.
- To learn more about SIU or schedule a virtual classroom visit, please email Susan Graham at sgraham@siu.edu.
- Creed Teaching Techniques
 - [Resource document](#)
 - [Resource PowerPoint](#)
- Eastbrook/ Ivy Tech Soils Contest Videos
 - This is the link for the Indiana soils judging rules.
<https://www.youtube.com/watch?v=W7TPNcwmWIY>
 - This is the link for the more in depth soils talk with the state soil scientist.
<https://www.youtube.com/watch?v=PEitlmRy2c8>
- National FFA
 - Check out these [lesson plan sets](#) that align with the employment skills LDE, floriculture CDE and landscape CDE.
 - CDE, LDE and Agriscience Research Choice Board- Check out this [new resource](#).
- Indiana FFA AgriScience Webinar
 - Linked here: <https://www.inffa.org/page.aspx?ID=298>
- Soils CDE practice by Kevin Cross at Sullivan
 - 1. Click the link:
https://docs.google.com/forms/d/13wT5QwzzTOHEXP-rliMxft061NQxENE_bmEkN2hSVE/edit?usp=sharing
 - 2. Click the 3 dots in the upper right corner of the form and **MAKE A COPY. THIS IS VERY IMPORTANT**. If you don't make a copy for yourself and begin to edit this copy, other people will be able to change it and it will mess up your practices. **MAKE A COPY!**
 - 3. Change the "Soil Properties INFORMATION" and "Site Card Information" to your liking. I sometimes give answers (like slope), and I sometimes give descriptions (like texture: very gritty and does not hold a cast).
 - 4. After this, you will need to go through every question, click "Answer Key" and change the answers to match your properties and rules. I have the form currently set up that all questions are required for submission.
 - 5. Share with your students.

- 6. You can then **MAKE ANOTHER COPY** of the form, rename it, and repeat steps 3-5 to make another soil pit for practicing rules. I'm planning on then saving all of the forms I make so that I can use the same ones for next year.
- Parliamentary Procedure resources from Jack Simmerman
 - [Google Drive folder with multiple resources](#)

FFA, Leadership, SAE

- National FFA
 - [FFA Fundamentals](#): This choice board is designed to help students quickly learn FFA basics while exploring FFA.org.
 - [FFA.org Scavenger Hunt](#): These choice boards facilitate student exploration across all facets of FFA.org as well as AgExplorer.
 - [SAE Video Choice Boards](#): This document serves as a resource to incorporate supervised agricultural experience (SAE) videos into the classroom. These videos allow students to learn about and develop/enhance their SAE projects.
 - SAE Video Library- <https://www.ffa.org/ffa-video-center/sae-video-library/>
- SAE for All- <https://saeforall.org/>
 - Click on the educator tab to have access to the teacher and student guides.
 - In the Independent Learning Guide section you will see that they have created activities for the different levels of Foundational SAEs
 - Foundational SAEs include the following areas
 - Career Exploration and Planning
 - Employability Skills
 - Personal Financial Management
 - Workplace Safety
 - Agriculture Literacy
 - The student section includes an online learning module
- University of Florida IFS Online Ag Education Resources
 - SAE for All Toolbox- <https://aec.ifas.ufl.edu/resources/ag-teachers/#d.en.793537>
- Minnesota Google Drive
 - Introduction to SAEs- https://docs.google.com/presentation/d/1K3h3HJdbUmkTu1AE9dLfKQgP6RtX9DtuJexdVkefRto/edit#slide=id.g827b874624_0_5
 - Helps walk a student through the SAE for All components
 - Resumes- You're the Boss- <https://drive.google.com/drive/folders/19uC2UzjhQfrtCtf3T6BEsNV-NCUdMCwt>

Additional Compilation of Resources from Other States

- National FFA LPS
 - Collection of shared resources for the online delivery of ag education at <https://ffa.box.com/v/OnlineAgEdResources>.

- <https://www.ffa.org/my-toolbox/instructor/educator-resources/>
- University of Florida IFAS Online Agricultural Education Online and Take Home Resources- <https://aec.ifas.ufl.edu/resources/ag-teachers/>
- Online/Distance Learning Resources page on NAAE Communities of Practice. Check it out here: <https://communities.naae.org/community/instruction/online-distance-learning-resources>
- NASAE Zoom Calls with Resources- https://drive.google.com/drive/folders/1_vRhY74vfjdKS9MH8CuJlwxbuTdHTcZV
- Minnesota Team AgEd
 - Minnesota Team Ag Ed and teachers across the state and country have come together to put resources into one place and organized by AFNR career pathway. We are continuing to add to it, add resources found on the Ag Ed Discussion Lab and other sites to it as they are available. Please feel free to share and add to this resource: https://drive.google.com/open?id=1GRTnn4_gSkclDS-1mJFN2FoMZN7cRUGC
- Vocational Agriculture Teachers Association of Texas- <https://www.vatat.org/distance-learning>
- Louisiana Agricultural Education- <http://www.la-ffa.org/e-learning>
- Illinois AgEd- <https://www.ilaged.org/page.aspx?ID=4787>
- California AgEd- spreadsheet with multiple resources- <https://docs.google.com/spreadsheets/d/1Wn6ThGYQyXkM75RERCaawMNS6wOgZDvVzc13IPNQM0w/edit#gid=0>
- KS Ag Ed Resources- <https://tinyurl.com/KSAgEdResources>
- Wisconsin FFA/ AgEd- <https://drive.google.com/drive/folders/1fb5C2srl-ZeEs126MZia3F6i9dZWnBxA?usp=sharing>
- Crest High School- North Carolina- <https://sites.google.com/a/clevelandcountyschools.org/mharris/>
- Washington FFA- You can access the page [HERE](#) or at: <https://www.washingtonffa.org/updatesinformation>
- Georgia AgED
 - [Distance Learning Resources for AG Ed teachers](#)
 - Online Games- <https://www.rulergame.net/>
- California AgEd
 - [California Ag Ed Discussion Lab](#). If you're not already a member, request to join!
 - Calaged.org- You're probably familiar with [THESE](#) resources, but if not have a gander! Adapt some of the resources for an online learning environment and share with the rest of the crew.

Distance Learning Platforms and Resources

- Accessibility for All Learners: In-Person & Virtual Webinar
 - [Slides](#)
 - [Recording](#)

- IDOE Teaching in a Digital World Webseries:
<https://www.doe.in.gov/elearning/teaching-digital-world-webinar-series>
 - Episode 1: Using the Digital Learning Toolkit
 - Episode 2: Student-Centered Learning
 - Episode 3: Student Engagement
 - Episode 4 Check for Understanding
 - Episode 5: Differentiation
- IDOE eLearning Lab: <https://www.doe.in.gov/elearning/elearning-lab>
- Online Course Design Presentation by Orbis Education
 - Recorded session located at
<https://orbiseducation.com/orbis-news/extending-online-learning-design-community/>
 - Presentation handouts located at
<https://drive.google.com/drive/folders/1IB8-L3lzKISKrX6SGkRNXJuVd79rGz-a?usp=sharing>
- Goodheart-Wilcox textbooks <https://www.g-w.com/>
 - G-W will provide free 90-day digital access to educators and their students. Please let your [G-W Educational Consultant](#) know what you need.
- CTE Online- [How to Teach CTE in an Online Environment](#). A great tool to get started, and an intro to some good resources available on [CTEOnline](#)
- There are so many resources out there for you to be successful! This will most likely happen virtually these days, and you can use a variety of different platforms to suit your operation style (developed OR developing). [HERE](#) is a short list.
- Ed Tech Info Sheets E-Book: <http://bit.ly/edtechinfo2020>
- Ed Tech Resource Roundup - XR: bit.ly/edtechrrXR
- Wakelet XR Collection: <https://wke.it/w/s/HONIXT>
- Green & Growing Education-
<https://green-and-growing-education.teachable.com/p/green-growing-digital-learning-resources>
- One Less Thing: This free package is just a portion of our worksheets, PowerPoints, and lesson plans. Follow the [link](#) to get access to this free resource.
 - <https://www.onelessthing.net/pages/remote-learningresources>
 - Download the PDFs and PowerPoints and use them to print packets for your students or add them to your Google Classroom. Please use them in whatever way helps you the most. COVID-19 REMOTE LEARNING FREE RESOURCES:
<https://www.onelessthing.net/pages/remote-learning-resources>