

## **Ag Mech Ideas**

Home Maintenance Journal – Have students log \_\_\_ X amount of time on various projects around their house and journal in AET about what they completed. Could be racking the yard, fixing a squeaky door. Or an Independent AtHomeProjectIdea agreement. A parental agreement is included  
<https://ffa.app.box.com/v/OnlineAgEdResources/folder/107232071001>

Home tool inventory – Have students complete a home tool inventory and share with you. This will allow you to figure out what they have and maybe assign a project they can complete with the tools they have on hand. Put parameters on the activity just incase a student has an entire home workshop at their disposal. Might have students that may only have a screwdriver and hammer.

Bill of Materials and Price Comparison Activity. Find a project plan/building plan and have students create a detailed bill of materials using prices they find at one of the big box retailers online. Home Depot, Lowes, Menards, etc. Also could use the Basic Ag Mech bill of materials and plywood layout activity.

Wiring Assessment – Have the students do an assessment of their home electrical service. Have them access the panel and determine how many amp service. How many 15 amp circuits, 20 amp circuits, 220 circuits, etc. The type and cost of the breakers installed. Is it properly labeled? What date was the panel certified? Etc..

Drawing Electrical Circuits in PowerPoint – Can use PowerPoint or GoogleSlides and have students create their own wiring board.  
<https://ffa.app.box.com/v/OnlineAgEdResources/folder/107232071001>

**FFA Educator Resources** - <https://www.ffa.org/my-toolbox/instructor/educator-resources/>

**Louisiana Virtual Lessons** – Ag teachers have recorded short lessons with activities on a wide variety of topics.  
<http://www.la-ffa.org/virtual-lessons>

**Ed Tech Info Sheets and Resource Roundup** – Online tools that can engage your students in an Extended Reality Application.

Ed Tech Info Sheets - [https://drive.google.com/file/d/1K\\_F8X9XZ3tx4iTuY6s1TjQzISpA3Yf1T/view](https://drive.google.com/file/d/1K_F8X9XZ3tx4iTuY6s1TjQzISpA3Yf1T/view)  
Resource Roundup - <https://drive.google.com/file/d/12OX89aRAxXbZdYOdATJ-zn5IUlob3eX8/view>  
Google Expeditions

Briggs and Stratton Power Portal – Online learning labs <https://www.thepowerportal.com/Login.htm>

Lincoln Electric Education Portal - <https://education.lincolnelectric.com/education-resource-purchasing-portal/>

Miller Welding OpenBook – web-based platform to plan implement and assess learning processes.  
<https://openbook.millerwelds.com/>

From Craig Kleven to Everyone: 04:00 PM

How old are your tires? Later in the article there is a link to a video to show the details on "How to Determine the Age of the Tire". This is a great activity for them to learn consumer skills about reading and understanding tires. Have them determine all the personal vehicles in their household. Then compare with the class to see who has the newest and oldest tire, average age of tires for the class, etc. <https://www.edmunds.com/car-maintenance/how-old-and-dangerous-are-your-tires.html>

From Marita Rau to Everyone: 04:14 PM

I was trying to add in that there are several ways to video your lectures. If you have Windows 10, and you hit the Windows button and the G key at the same time, Xbox game bar comes up and you can record what you are doing on your screen. PowerPoint also has a recording feature for presentations too, in which the kids can see you in the bottom right corner talking too. That is under the Slideshow Tab and there is a red record button. You can also choose not to record your face, but just you talking and going through slides.

From Nikki Fidely to Everyone: 04:14 PM

download the google expedition app and you can see all the topics that they have.

From Molly Zahradka to Everyone: 04:16 PM

I use Flipgrid all the time! It's great if you want kids to demonstrate a skill or "present" something. I also use it for checking in and keeping in contact with kids. For example, today they have to upload a video of them doing something they enjoy outside. The whole class gets to see it - which I think is great for those who are missing their classmates and teachers. ;)

From Glen Huettl to Everyone: 04:16 PM

I use the BS Power Portal with my online course, good stuff but not all the answers are on the web site, you need the text books, Kinda frustrating for the kids.

From Breanna Bregel to Everyone: 04:16 PM

students can utilize AR with their smart phones as well on google expeditions. I have had students look at cells, small engines, parts of plants, etc. right in front of them

From Molly Zahradka to Everyone: 04:17 PM

On my Flipgrid topic from last week there was 345 views and 6.6 hours of engagement for my 8th grade class alone

From Nikki Fidely to Everyone: 04:18 PM

gimkit is also a great online app - way better than Kahoot!

From Whitney Landman to Everyone: 04:21 PM

another online app is quizizz. it's like kahoot but kids can go at their own pace.

From Carissa Axt to Everyone: 04:24 PM

For recording your lectures, or your powerpoint with voiceover, you can also use Chromecast. Its a chrome extension and is easy to use

From Molly Zahradka to Everyone: 04:24 PM

Geocaching is fun and can be tied to GPS/precision ag. Most communities have caches all over!