## Farm Machines Then & Now Target Grade Level: 4th Grade

## Full Lesson Plan: <https://www.iowaagliteracy.org/Article/Farm-Machines-Then-Now>

This document is meant for you, the teacher, to use to convert the lesson plan into a virtual learning module for your students. You can use the steps outlined below to create different elements of a Google Classroom lesson or other online learning module. You can also send the steps directly to your students in a PDF, present them in a virtual meeting, or plug them into any other virtual learning platform you use. Find more virtual lessons here: [Virtual Learning.](https://www.iowaagliteracy.org/Tools-Resources/Other/Virtual-Learning)

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| Engage | Can you think of an example of technology that does not have buttons or a screen, or use electricity, fuel, or batteries?  Technology is anything that makes a job easier or more efficient. Today we are going to learn about technology in farming and compare the machines that farmers use today to tools that farmers used long ago. |
| Explore | Next, ready *My Family’s Corn Farm* by Katie Olthoff to learn about the technology that farmers use to grow and harvest corn today.   * [*My Family’s Corn Farm* by Katie Olthoff](https://www.yumpu.com/en/document/read/63054656/my-familys-corn-farm)   List a few examples of the technology used on the farm in this book. |
| Explain | Now, let’s look at some of the tools that farmers used long ago to grow and harvest corn. Look at the pictures in the Antique Farm Tools document linked below and complete the questions to help you think critically.   * [Antique Farm Tools](https://docs.google.com/document/d/1Ft1CxzPuZ2JEi1U2EtAYXnjz1VQmKHF5OMod3Nq0FVQ/copy?usp=sharing)   Share the completed document with your teacher. |
| Elaborate | Review this document to learn more about each of the antique farm tools and their modern equivalents.   * [Farm Machines Then & Now](https://docs.google.com/presentation/d/1m_0KELTyd2dxW1XeF-z4aB1m5Tle1rupOYtrc7D-lcs/present?usp=sharing) |
| Evaluate | Now, write down five things you would like to remember, five challenges technology helps farmers handle, and five ways you think agricultural technology could improve in the future. |