## 9 Beginnings of Iowa Agriculture- Virtual Learning Adaption Target Grade Level: 8th grade

Full Lesson Plan: <https://www.iowaagliteracy.org/Article/Beginnings-of-Agriculture>

This document is meant for you 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 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 | Start by thinking about these questions: how did the first humans get their food? How did you, the student, get your breakfast this morning? Did you have to go outside and look for food, or was it in the cupboard or fridge? How would life be different if food wasn’t in our kitchens and grocery stores? |
| Explore | Create a Venn Diagram (if you don’t know what a Venn Diagram is, here’s an [Example](https://arbs.nzcer.org.nz/sites/default/files/images/venn.gif)). Label one side “Hunting and Gathering” and the other side “Farming.” Using prior knowledge, fill out both sides and the center, or “Both” category. |
| Explain | Watch these videos to learn more about farming vs hunting and gathering.   * [Mankind: The Story of All of Us: Birth of Farming](https://www.youtube.com/watch?v=bhzQFIZuNFY) * [Neolithic Agricultural Revolution](https://www.youtube.com/watch?v=Y1FaVW1nCuc)   What did you learn from those videos? Add to your Venn Diagram with anything that you may have missed. |
| Elaborate | Watch this video on the evolution of corn. See how much the corn has changed. Do you think that teosinte or corn would have produced more grain per plant? How do you think corn changed to look how it looks now?   * [Evolution of Corn](https://www.youtube.com/watch?v=-K6ja_ZJkKk) |
| Evaluate | The final task is to create a presentation on the shift from hunting and gathering to organized agriculture. You can create a poster and take a picture of it, make a slideshow, or use other media to create it, as long as you can share it with others. Here are some ideas for your project:   1. Give a broad overview of the Neolithic Revolution. 2. Focus on a key aspect of the Neolithic Revolution, like the domestication of seeds and evolution of a crop. 3. Present pros and cons of agriculture pre and post-Neolithic Revolution. 4. Create a set of causes and effects of change during this period. 5. Create timelines, maps, or other visual representations of the era (be sure to include written information as well).   Make sure to share your project with your teacher. |