## Average Daily Gain- Virtual Learning Adaption Target Grade Level: 9th -12th gradeFull Lesson Plan: <https://www.iowaagliteracy.org/Article/Average-Daily-Gain>

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 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 | Read the information in the linked document on Average Daily Gain (ADG). The information is on page 1 of the document. Keep this document open so that you can find it again later. * [Average Daily Gain](https://docs.google.com/document/d/1oycLP23R0dgcSi9-Kquh57nKTCvPvE8yhcVIzAMbMHs/edit?usp=sharing)
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| Explore | Start by looking at this Google Sheet and make a copy of it. Choose one of each animal (Ex: Steer 3, Pig 5, Chicken 8).* [Google Sheet](https://docs.google.com/spreadsheets/d/1GEPf8m-5TplkPCypLSVk29tV6mZzgod6SjO5s5dq9SI/edit?usp=sharing)
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| Explain | Now, watch this video to learn how you will be calculating the equation for ADG for each of the animals you chose. * [Video](https://www.loom.com/share/31fe4498bc804d84b1ff0388b4e85c46)
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| Elaborate | Next, you will actually be calculating the ADG for your three animals. On your copy of the Google Sheet, using the information that you learned in the video, make a scatter plot graph. Be sure to include the following: best fit line, labels for axes, title (Ex: Steer 3), and equation. Turn the Google Sheet in when you have completed 3 graphs for the three animals that you chose.  |
| Evaluate | Finally, open the Average Daily Gain Google Doc that you read from in the beginning. Make a copy and answer the questions on page 2. Turn it in when you are finished.  |