## Lavender Production - Virtual Learning Adaption Target Grade Level: Grades 9th – 12th

Full Lesson Plan: <https://www.iowaagliteracy.org/Article/Lavender-Production>

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 | Provide the USDA definition of Value-Added Product: *A change in the physical state or form of the product. The production of a product in a manner that enhances its value.* Ask students to come up with some examples of value-added products (for example milling wheat into flour or making strawberries into jam). |
| Explore | Instruct students to click through and view the slide deck explaining lavender production and value-added products that come from lavender (slides 1-9) found [here](https://drive.google.com/file/d/1q_kYwl3EKSbXfTT4hCBlY8H1WoQYCqzF/view?usp=sharing). |
| Explain | Have students continue with the slide deck ([slides 10-11](https://drive.google.com/file/d/1q_kYwl3EKSbXfTT4hCBlY8H1WoQYCqzF/view?usp=sharing)) that explain lavender as a business and value-added lavender products. Ask students to conduct a brief search via an internet search engine to determine how many different lavender products they can find. Find at least one food (edible) item and one non-edible lavender product. |
| Elaborate | Most non-edible lavender products use lavender oil or lavender hydrosol. How is the oil extracted from the lavender flower and/or leaves? Students should watch this video on how lavender oil is made:   * <https://youtu.be/Cz_jYx4dF0U> |
| Evaluate | Provide the [worksheet](https://drive.google.com/file/d/1AfiqagH4LhAaBxdf6tXhz_s_c_VociOJ/view?usp=sharing) on understanding the value and estimating the value of lavender. Students should complete the worksheet and turn it in to their teacher for grading. |