Laarman Lesson Plan

Class: Earth Science Unit: Weather Standards: ESS3-1, ESS3-2, PS4-3

Topic: Weather Date: 1/29/24

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| **Materials, Prep** | Weather multimedia |
| **Procedure**  | 1. Motivation Monday: [Brittany Bowe](https://www.youtube.com/watch?v=IzolqFBBpNk)
2. Summarize key points from weather labs: solar radiation, temperature differences, air pressure
3. Student groups seek to explain what happened in the can-crushing lab
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Topic: Weather Date: 1/30/24

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| **Materials, Prep** | Weather multimedia |
| **Procedure**  | Multimedia: cover key weather points not discussed in conjunction with the labs* Energy transfer with changes of state (evaporation, condensation, etc)
* Fronts and air masses
* Jet stream
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| **Homework** | Prepare for Weather Quiz Friday! |

Topic: Storms Date: 1/31/24 - 2/1/24

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| **Materials, Prep** | ICLS Forms |
| **Procedure**  | Filling out ICLS forms as they watch, students view the following videos:<https://www.youtube.com/watch?v=JXhif3E3l2s> <https://www.youtube.com/watch?v=lhhmaHu_wv0><https://www.pbs.org/video/rise-of-the-superstorms-oufiyb/>  |
| **Homework** | Prepare for Weather Quiz Friday! |

Topic: Factors that Affect Local Climate Date: 2/2/24

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| **Procedure**  | 1. Weather Quiz
2. Students begin work on the “What Factors Affect Local Climate” activity on Google Classroom
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