2023-2024 CYSF

Anastasia/ Alexis’s Logbook

How do fish survive when lightning strikes

| **Date** | **Description of Activity** | **Citations** |
| --- | --- | --- |
| Nov. 5 | Discussed with Anastasia what the hypothesis was going to be | - |
| Nov. 6 | Started slideshow, created slides 1-4 inclusive, made title page, question to research, and typed up hypothesis | - |
| Nov.16 | Edited slide 4-9, 11-12 inclusive | 11 - 19, 21 |
| Nov. 28 | Worked on slides 4-5, 7 with Anastasia | 1, 4 |
| Dec. 5 | Worked on slides 4-5, 8 inclusive | 2, 5, 6 |
| Dec.12 | Worked on slides 6-9 inclusive | 3, 8, 23, 24 |
| Dec.19 | Worked on slides 6-7 inclusive | 20, 21 |
| Dec. 28 | Changed slides 4-5 inclusive, made slide 13 | - |
| Jan. 9 | Worked on slides 10-11 inclusive | 9, 10, 17, 21 |
| Jan.16 | Worked on slide 10 | 9, 10 |
| Jan. 23 | Worked on slide 9 | 22, 24 |
| Jan.28 | Edited the whole presentation, Slide 1 - 15 | 11-19 |
| Jan. 29 | Made modifications to all slide and added lots of detail, made slide 16 | 9, 11-19, 21 |
| Jan. 30 | Worked on slides 2-3, added a slide and changed slide one (title page) background | - |
| Feb. 2 | Worked on slides 4, 6, 11, 15 | - |
| Feb. 6 | Worked on slides 4 and 5 inclusive | - |
| Feb. 9 | Worked on slides 6-10 inclusive | 9, 10, 20-24 |
| Feb. 13 | Worked on slides 6, 11-13 inclusive | 22, 25 |
| Feb. 16 | Worked on slides 7, 14-16 inclusive | - |
| Feb. 20 | Worked on slides 1 and 17 | - |
| Feb. 24 | Worked on slides 1, did no research just decorated slide |  |
| Mar. 2 | Worked on slides 1-5 inclusive | - |
| Mar. 3 | Checked on Slide 1 to 16 with Anatasia, planned out trifold | - |
| Mar. 10 | Anastasia came over to Alexis’s house and finished Trifold | - |

**Citations**

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7. Enmax. *Real-Time System Demand*.. [www.enmax.com/generation-wires/real-time-system-demand.](http://www.enmax.com/generation-wires/real-time-system-demand.)
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13. National Severe Storms Laboratory. “Severe Weather 101 – Lightning”. U.S. Department of Commerce – National Oceanic & Atmospheric Administration. <https://www.nssl.noaa.gov/education/svrwx101/lightning/>
14. National Severe Storms Laboratory. “Severe Weather 101 – Lightning FAQ”. U.S. Department of Commerce – National Oceanic & Atmospheric Administration. <https://www.nssl.noaa.gov/education/svrwx101/lightning/faq/>
15. National Severe Storms Laboratory. “Severe Weather 101 – Lightning Types”. U.S. Department of Commerce – National Oceanic & Atmospheric Administration. <https://www.nssl.noaa.gov/education/svrwx101/lightning/types/>
16. National Weather Service “Lightning and Cars”. U.S. Department of Commerce – National Oceanic & Atmospheric Administration. <https://www.weather.gov/safety/lightning-cars>
17. National Weather Service “Lightning and Fish”. U.S. Department of Commerce – National Oceanic & Atmospheric Administration. <https://www.weather.gov/safety/lightning-fish>
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