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| **August 19 Schedule (Day 1):**   |  |  | | --- | --- | | 9:00 | Welcome!   * Introductions and Schedule for the day | | 9:10 | Introduction to GLOBE Weather   * Curriculum Scavenger Hunt * Inquiry & the 5E Model * Misconceptions & why teaching about weather is challenging | | 10:00 | Anchor Phenomenon   * Working models, inquiry questioning, coaching strategies | | 10:30 | Break | | 10:40 | The Driving Question Board | | 11:00 | Learning Sequence 1 Topics & Progression (Lessons 2-3)   * Isolated storms, temperature & cloud formation | | 11:20 | GLOBE protocols (outside)   * Cloud observations, Surface temperature measurements | | 12:00 | Lunch Break | | 12:55 | Activities Exploration (Lessons 2-3) | | 1:40 | Sensemaking (Lessons 2-3)   * Make & revise a model, Model Idea Tracker, assessment, the Driving Question Board, misconceptions & challenges | | 2:10 | Break | | 2:20 | Learning Sequence 1 Topics & Progression (Lessons 4-6)   * Sunny Day vs Stormy Day, why does warm air rise, conditions for a storm | | 2:40 | Activities Exploration (Lessons 4-6) | | 3:15 | Sensemaking (Lessons 4-6)   * Consensus model, Model Idea Tracker, assessment, the Driving Question Board, misconceptions & challenges | | **4:15-4:30** | Wrap Up   * Take your temperature & Day 1 evaluation | |

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| **August 20 Schedule (Day 2):**   |  |  | | --- | --- | | 9:00 | Orient for the day   * Revisit questions from the day before | | 9:10 | Revisit the Anchor Phenomenon  Learning Sequence 2 Topics & Progression (Lessons 7-9)   * Storm fronts, air masses, wind speed, air pressure | | 9:35 | Activities Exploration (Lessons 7-9)   * Density Tank demonstration | | 10:20 | Break | | 10:30 | Sensemaking (Lessons 7-9)   * Consensus model, Model Idea Tracker, assessment, the Driving Question Board, misconceptions & challenges | | 11:10 | Concluding Learning Sequence 2 (Lessons 10-11)   * Pressure demo, wrapping up the Colorado storm investigation, the Driving Question Board, misconceptions & challenges | | 12:00 | Lunch Break | | 1:00 | Learning Sequence 3 Topics & Progression (Lessons 12-14)   * Global weather patterns, temperature & latitude, the Coriolis effect | | 1:30 | Activities Exploration (Lessons 13-14) | | 2:30 | Break | | 2:40 | Sensemaking (outside for about 50 minutes)   * Consensus model, Coriolis activity, explaining storm movement in the tropics, Model Idea Tracker, extensions/connections | | **4:00-4:30** | Wrap Up   * Snowball, Q&A with Angie, Day 2 evaluation | |

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| **August 21 Schedule (Day 3):**   |  |  | | --- | --- | | 9:00 | Housekeeping   * Paperwork for stipends   Orient for the day   * Revisit questions from the day before | | 9:20 | Visit Weather Station (outside) | | 9:50 | Culminating task: Challenge 1   * A winter storm | | 10:20 | Culminating task: Challenge 2 & 3   * Where will there be a snow day? | | 10:50 | Break | | 11:00 | Assessments in GLOBE Weather | | 11:15 | The GLOBE Weather website | | 11:30 | GLOBE Connections   * Planning a GLOBE activity | | **12:00-12:30** | Wrap Up   * Evaluations | |