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| **February 18 Schedule (Day 1):**   |  |  | | --- | --- | | 8:30-9:00 | Welcome!   * Continental Breakfast | | 9:00-9:45 | Introductions   * Misconceptions & why teaching about weather is challenging | | 9:45-10:35 | Anchor Phenomenon   * Working models, productive talk, The Driving Question Board | | 10:35-10:45 | Break | | 10:45-11:50 | Orientation to GLOBE Weather   * Inquiry & the 5E Model, curriculum scavenger hunt, navigating the GLOBE Weather website | | 11:50-12:30 | Learning Sequence 1 Topics & Progression (Lessons 2-3)   * Isolated storms, temperature & cloud formation | | 12:30-1:15 | Lunch | | 1:15-1:45 | Activities Exploration (Lessons 2-3) | | 1:45-2:30 | GLOBE protocols (outside)   * Cloud observations, surface temperature measurements | | 2:30-2:40 | Break | | 2:40-3:25 | Sensemaking (Lessons 2-3)   * Make & revise a model, Model Idea Tracker | | 3:25-3:55 | Learning Sequence 1 Topics & Progression (Lessons 4-6)   * Sunny day vs stormy day, why does warm air rise, conditions for a storm | | 3:55-4:00 | Wrap Up   * Take your temperature | |

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| **February 19 Schedule (Day 2):**   |  |  | | --- | --- | | 8:30-8:45 | Welcome!   * Continental Breakfast | | 8:45-8:50 | Orient for the day   * Revisit questions from the day before | | 8:50-9:30 | Activities Exploration (Lessons 4-6) | | 9:30-10:10 | Sensemaking (Lessons 4-6) & Concluding Learning  Sequence 1   * Consensus model, Model Idea Tracker, the Driving Question Board, misconceptions & challenges | | 10:10-10:25 | Break | | 10:25-11:00 | GLOBE protocols (outside)   * Barometric pressure, humidity | | 11:00-11:45 | Learning Sequence 2 Topics & Progression (Lessons 7-9)   * Storm fronts, air masses, wind speed, air pressure | | 11:45-12:35 | Activities Exploration (Lessons 7-9)   * Density tank demonstration | | 12:35-1:30 | Lunch | | 1:30-2:30 | Sensemaking (Lessons 7-9)   * Consensus model, gallery walk, Model Idea Tracker | | 2:30-2:45 | Break | | 2:45-3:30 | Concluding Learning Sequence 2 (Lessons 10-11)   * Pressure demo, wrapping up the Colorado storm investigation, the Driving Question Board, Model Idea Tracker, misconceptions & challenges | | 3:30-3:50 | Learning Sequence 3 Topics & Progression (Lessons 12-14)   * Global weather patterns, temperature & latitude, the Coriolis effect | | 3:50-4:00 | Wrap Up   * Snowball | |

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| **February 20 Schedule (Day 3):**   |  |  | | --- | --- | | 8:30-8:45 | Welcome!   * Continental Breakfast | | 8:45-8:55 | Orient for the day   * Revisit questions from the day before | | 8:55-9:30 | Activities Exploration (Lessons 13-14) | | 9:30-10:30 | Sensemaking   * Consensus model, Coriolis activity, explaining storm movement in the tropics, the Driving Question Board, Model Idea Tracker, misconceptions & challenges | | 10:30-10:45 | Break | | 10:45-12:00 | Culminating task: Challenge 1-3   * A winter storm * Where will there be a snow day? | | 12:00-12:30 | Wrap up GLOBE Weather Curriculum | | 12:30-1:15 | Lunch | | 1:15-1:45 | Assessments in GLOBE Weather   * Elements of a NGSS assessment | | 1:45-2:45 | GLOBE Connections   * Planning an activity using GLOBE | | 2:45-3:00 | Break | | 3:00-4:00 | Wrap Up   * Reflecting, revisit goals * Paperwork for stipends & evaluations | |