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| **August 19 Schedule (Day 1):**   |  |  | | --- | --- | | 8:30-8:40 | Welcome!   * Schedule for the day | | 8:40-9:30 | Introduction to GLOBE Weather   * Curriculum Scavenger Hunt * Inquiry & the 5E Model * Misconceptions & why teaching about weather is challenging | | 9:30-10:00 | Anchor Phenomenon   * Working models, inquiry questioning, coaching strategies | | 10:00-10:10 | Break | | 10;10-10:30 | The Driving Question Board | | 10:30-11:10 | Learning Sequence 1 Topics & Progression (Lessons 2-3)   * Isolated storms, temperature & cloud formation | | 11;10-11;55 | Activities Exploration (Lessons 2-3) | | 11;55-12:55 | Lunch Break | | 12:55-1:40 | GLOBE protocols (outside)   * Cloud observations, Surface temperature measurements | | 1;40-2;10 | Sensemaking (Lessons 2-3)   * Make & revise a model, Model Idea Tracker, assessment, the Driving Question Board, misconceptions & challenges | | 2:10-2:20 | Break | | 2:20-2:50 | Learning Sequence 1 Topics & Progression (Lessons 4-6)   * Sunny Day vs Stormy Day, why does warm air rise, conditions for a storm | | 2:50-3:20 | Activities Exploration (Lessons 4-6) | | 3:20-3::30 | Wrap Up   * Take your temperature | |

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| **August 20 Schedule (Day 2):**   |  |  | | --- | --- | | 8:30-8:45 | Orient for the day   * Revisit questions from the day before | | 8:45-9:45 | Sensemaking (Lessons 4-6)   * Consensus model, Model Idea Tracker, assessment, the Driving Question Board, misconceptions & challenges | | 9:45-10:15 | GLOBE protocols (outside)   * Barometric pressure, humidity | | 10:15-10:25 | Break | | 10:25-10:35 | Revisit the Anchor Phenomenon | | 10:35-11:00 | Learning Sequence 2 Topics & Progression (Lessons 7-9)   * Storm fronts, air masses, wind speed, air pressure | | 11;00-12:00 | Activities Exploration (Lessons 7-9)   * Density Tank demonstration | | 12:00-1:00 | Lunch Break | | 1:00-1:40 | Sensemaking (Lessons 7-9)   * Consensus model, Model Idea Tracker, assessment, the Driving Question Board, misconceptions & challenges | | 1:40-1:50 | Break | | 1:50-2:40 | Concluding Learning Sequence 2 (Lessons 10-11)   * Pressure demo, wrapping up the Colorado storm investigation, the Driving Question Board, misconceptions & challenges | | 2:40-2:50 | Break | | 2:50-3:20 | Learning Sequence 3 Topics & Progression (Lessons 12-14)   * Global weather patterns, temperature & latitude, the Coriolis effect | | 3:20-3:30 | Wrap Up   * Snowball | |

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| **August 21 Schedule (Day 3):**   |  |  | | --- | --- | | 8:30-8:40 | Housekeeping   * Paperwork for stipends | | 8:40-8:50 | Orient for the day   * Revisit questions from the day before | | 8:50-:9:50 | Activities Exploration (Lessons 13-14) | | 9:50-10:00 | Break | | 10:00-11:30 | Sensemaking   * Consensus model, Coriolis activity, explaining storm movement in the tropics, Model Idea Tracker, extensions/connections | | 11;30-12:30 | Lunch Break | | 12:30-12:50 | Culminating task: Challenge 1   * A winter storm | | 12:50-1:20 | Culminating task: Challenge 2 & 3   * Where will there be a snow day? | | 1:20-1:30 | Wrap up GLOBE Weather Curriculum | | 1:30-1:40 | Break | | 1:40-2;20 | GLOBE Connections   * Planning an activity using GLOBE | | 2:20-2:30 | Assessments in GLOBE Weather | | 2:30-2:50 | The GLOBE Weather website | | 2:50-3:00 | Wrap Up   * Evaluations | |