|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **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
 |

 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **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
 |

 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **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
 |

 |