

Weather: Goals and Assessment Strategies

Concepts	
Goals	Assessment Strategies
Weather changes from day to day and week to week. Lessons 1–17	Lessons 1, 3–5, 17 <ul style="list-style-type: none"> ▪ Pre- and post-unit assessments ▪ Class lists and charts ▪ Class discussions ▪ Record sheets
Features of weather include cloud cover, precipitation, wind, and temperature. Lessons 3–7, 10, 13–16	Lessons 1, 3–5, 10, 14, 17, and Additional Assessments 1–4 <ul style="list-style-type: none"> ▪ Pre- and post-unit assessments ▪ Class lists and discussions ▪ Teacher’s observations ▪ Weather Calendar data ▪ Class web on clouds ▪ Record sheets
Tools used to measure different features of weather include wind scales, thermometers, and rain gauges. Lessons 4–7, 10	Lessons 4–5, 10 <ul style="list-style-type: none"> ▪ Student products: wind flag, model thermometer, rain gauge ▪ Record sheets ▪ Class discussions ▪ Teacher’s observations
Meteorologists are scientists who study, observe, and record information about the weather and who use that information to forecast the weather. Lessons 2, 4, 14–15	Additional Assessments 1–2 <ul style="list-style-type: none"> ▪ Class discussions ▪ Oral presentations ▪ Individual drawings
Weather affects the decisions people make about the clothing they will wear and about their outside activities. Lessons 1, 4–6, 9, 11–12, 15, 17	Lessons 1, 4–5, 12, 17, and Additional Assessments 1–4 <ul style="list-style-type: none"> ▪ Pre- and post-unit assessments ▪ Class lists and discussions ▪ Student experiments ▪ Record sheets ▪ Teacher’s observations ▪ Oral presentations ▪ Individual drawings

Skills	
Goals	Assessment Strategies
Observing the weather by using the senses. Lessons 1–3, 17	Lessons 1, 17 <ul style="list-style-type: none"> ▪ Pre- and post-unit assessments ▪ Class lists and charts ▪ Class discussions ▪ Teacher’s observations
Discussing and recording information about weather features. Lessons 1–17	Lessons 1, 3–5, 10, 12, 14, 17, and Additional Assessments 1–4 <ul style="list-style-type: none"> ▪ Pre- and post-unit assessments ▪ Weather Calendar data ▪ Temperature Graph data ▪ Class charts, lists, and graphs ▪ Record sheets ▪ Class discussions ▪ Teacher’s observations

Weather: Goals and Assessment Strategies (continued)

Goals	Assessment Strategies
Using simple tools to estimate wind speed and measure temperature and rainfall. Lessons 4–7, 10	Lessons 4–5, 10, and Additional Assessment 4 <ul style="list-style-type: none"> ▪ Student products: wind flag, model thermometer, and rain gauge ▪ Record sheets ▪ Class discussions ▪ Teacher’s observations
Observing differences in types of clouds. Lessons 13–14	Lessons 1, 14, 17, and Additional Assessments 1–4 <ul style="list-style-type: none"> ▪ Pre- and post-unit assessments ▪ Class web on clouds ▪ Student products: cloud pictures and individual drawings ▪ Class lists and charts ▪ Class discussions ▪ Oral presentations
Conducting experiments and drawing conclusions about appropriate clothing for different types of weather. Lessons 9, 12	Lesson 12 and Additional Assessments 1, 4 <ul style="list-style-type: none"> ▪ Teacher’s observations ▪ Record sheets ▪ Class discussions ▪ Oral presentations
Organizing weather data on graphs and long-term data collection charts. Lessons 3–16	Lessons 3–5, 10 <ul style="list-style-type: none"> ▪ Weather Calendar data ▪ Temperature Graph data ▪ Record sheets ▪ Class discussions ▪ Teacher’s observations
Interpreting and summarizing long-term weather data. Lessons 3–5, 16	Lessons 3–5 <ul style="list-style-type: none"> ▪ Class discussions ▪ Record sheets ▪ Teacher’s observations

Attitudes	
Goals	Assessment Strategies
Increasing awareness of weather. Lessons 1–17	Lessons 1, 12, 14, 17 <ul style="list-style-type: none"> ▪ Pre- and post-unit assessments ▪ Class discussions ▪ Teacher’s observations
Appreciating how weather affects daily life. Lessons 1, 5–6, 9, 12, 15, 17	Lessons 1, 5, 12, 17, and Additional Assessment 1 <ul style="list-style-type: none"> ▪ Pre- and post-unit assessments ▪ Class lists and discussions ▪ Record sheets ▪ Teacher’s observations ▪ Oral presentations
Recognizing that measurements and long-term records are useful and help us learn more about weather. Lessons 3–7, 10, 15–16	Lessons 3–5, 10, and Additional Assessments 1–3 <ul style="list-style-type: none"> ▪ Class discussions ▪ Record sheets ▪ Teacher’s observations ▪ Oral presentations