



**Direct Instruction
Lesson Plan Guide**

School of Education, Health & Wellness

Lesson Plan template	
Name:	Date: May, 2014
Subject Area/Course: Science	Grade Level: Five
Unit: Theme: Temperature	Length of Period: 20 minutes
Topic: Weather	
1. Learning Outcomes:	
General Curriculum Outcomes: Students will develop the skills required for scientific and technological inquiry, for solving problems, for communicating scientific ideas and results, for working collaboratively, and for making informed decisions.	
Specific Curriculum Outcomes: Sun's Energy Reaching the Earth <ul style="list-style-type: none">• relate the transfer of energy from the sun to weather and discuss the sun's impact on soil and water (206-5, 303-21)• using correct names of weather instruments, construct and use instruments to record temperature, wind speed, wind direction, and precipitation (104-7, 204-8, 205-4, 205-10, 205-7, 300-13)	
Learning Objectives: Students will: Record observations using measuring instruments in order to describe weather in terms of temperature	

Identify and use appropriate tools, measuring instruments and materials to measure the temperature of air, soil and water after exposing them to light and

draw conclusions

2. Components of Plan

A. Pre-assessment

Differentiation of Content – (recognizing student developmental, ability, and cultural diversity for accommodation and/or modification)

B. Learning Environment- outside

Baille Ard Nature Trails

C. Resources/Materials/Technology/Safety /References:

D. Facilitation of student directed learning:

Cooperative Learning

3. Content (What will be taught)

Learning/Teaching strategies (How Content will be taught)

A. Introduction:

advanced organizers, activation of students' funds of knowledge, motivational 'hook' 20 minutes in class prior to trail experience

B. Content for new learning

- In a forested area, measure airflow (speed and direction), and temperature (ground temp and air temp) using appropriate

C. Learning /Teaching Strategies for New Learning

Field trip, student directed learning, cooperative learning strategies

<p>instruments.</p> <ul style="list-style-type: none"> In an open field area, measure: airflow (speed and direction), and temperature (ground temp and air temp) using appropriate instruments. 	<p><u>Method:</u> In a disturbed open area assigned students will:</p> <ul style="list-style-type: none"> Using a thermometer measure air temperature/soil temperature Using a hygrometer measure air humidity/soil moisture content Using an anemometer measure wind speed <p>In a shaded area assigned students will:</p> <ul style="list-style-type: none"> Using a thermometer measure air temperature/soil temperature Using a hygrometer measure air humidity/soil moisture content Using an anemometer measure wind speed
--	---

4. Formative Assessment: (assessment for learning, monitoring learning, one-on-one conferencing, small group conferencing etc)

5. Application: opportunity to move from guided practice, scaffolded practice to increasingly independent practice/performance

6. Lesson conclusions (summarize, re-focus on outcome/learning objective, plans for follow up/further learning or carry over)

7. Summative Assessment: (assessment of learning, summary of learning)

8. Pre-service Teacher Reflections on the Class (completed after lesson)

Evidence of teacher learning related to lesson expectations:

Opportunities for future teacher learning related to lesson expectations: