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Grade 5 Curriculum Link Ideas

Subject	Unit	Season	Activity	Description
Science	Weather Watch	All	Weather Observations	Observation and readings of different weather phenomenon.
		All	Weather Scavenger Hunt	Looking for different effects of weather in the schoolyard.
		All	Sky Watchers	Participating in a province wide weather activity, recording and interpreting weather information.
		All	Balloon Barometer	Make your own barometer.
		All	Temperature hunt	Taking temperature and finding locations that are warmer and cooler.
	Wetlands Ecosystems	Spring, summer, fall	Wetland Models	Students build wetland models that holds water using a roasting pan as the base, modeling clay and sponges. Have them include all the components of a wetland and be creative.
Classroom Chemistry	Spring, summer, fall	PH Watershed testing	Student test water samples collected at a variety of locations.	
Math	Geometry	All	Data collection, organization and interpretation.	Students can investigate plant growth, seed production or weed dispersal in the schoolyard to collect, analyze and interpret data.
			Triangles and Angles	Students explore the schoolyard to find shapes, angles and lines among the trees, shrubs and plants.
Language Arts		All	Magic Spots	Students establish a spot with a tree or shrub which will be their spot for the entire year and for most activities.
		All	Poetry	Write poems, make shape poems, experiment with descriptive language, group poems.

Name _____ Date _____ Time _____

Weather Observations

Visual Observations

1. **Cloud Cover** - circle the best one for the current conditions.

clear (no clouds) *A few clouds (less than 1/2 the sky)* *Cloudy (more than 1/2)* *Overcast (no blue)*

2. **Cloud Type** – use the cloud chart given and determine the best match for observation

3. **Wind Direction** - watch clouds for a little while to determine wind direction – circle one

N *NE* *E* *SE* *S* *SW* *W* *NW*

4. **Wind Speed** – use the Beaufort Scale sheet provided or an anemometer

_____ Mph *convert to* _____ Kph

5. **Weather Phenomena** - circle all that apply to the current conditions.

Haze *Fog or Mist* *Drizzle* *Rain* *Thunder/Lightening* *Hail*

Freezing Rain *Snow* *Blowing Snow* *Chinook Winds*

Instrument Readings

1. **Air Temperature- Shade** – read with thermometer away from body or on ground for 1 Min.

_____ current reading in °C Max _____ °C Min _____ °C

2. **Air Temperature- Sun** – read with thermometer away from body or on ground for 1 Min.

_____ current reading in °C Max _____ °C Min _____ °C

3. **Rainfall** _____ mm

4. **Snowfall** _____ cm

5. **Sling Psychrometer**

Dry Bulb _____ °C Wet Bulb _____ °C Depression (difference) _____

Using the table determine _____ °C *dew point* _____ % *Relative Humidity*

Sky Watchers

Month: _____		Day: _____		Time: _____		(24Hrs)	
Cloud Cover: <input type="checkbox"/> Clear (no Clouds) <input type="checkbox"/> A few clouds (less then half the sky) <input type="checkbox"/> Cloudy (more then half the sky) <input type="checkbox"/> Overcast (no blue visible)				Weather Phenomena <input type="checkbox"/> Haze <input type="checkbox"/> Snow <input type="checkbox"/> Fog or mist <input type="checkbox"/> Blowing snow <input type="checkbox"/> Thunder/lightning <input type="checkbox"/> Drizzle <input type="checkbox"/> Freezing Precipitation <input type="checkbox"/> Rain <input type="checkbox"/> Hail			
Pressure: _____ inches or _____ mb Convert to kpa _____							
Temperature (C°): Current reading _____ Minimum _____ Maximum _____ (min<=current<=max)			Wind direction (circle one) N NE E SE S SW W NW Wind Speed : _____ mph Convert to km/h _____		Rainfall: _____ mm Snowfall: _____ cm		
Sling Psychrometer				Supplementary Data			
Dry bulb: _____ Wet bulb: _____ Dew point _____ Depression: _____ Humidity _____%				UV Index _____		_____ _____ _____	

Sky Watchers

Month: _____		Day: _____		Time: _____		(24Hrs)	
Cloud Cover: <input type="checkbox"/> Clear (no Clouds) <input type="checkbox"/> A few clouds (less then half the sky) <input type="checkbox"/> Cloudy (more then half the sky) <input type="checkbox"/> Overcast (no blue visible)				Weather Phenomena <input type="checkbox"/> Haze <input type="checkbox"/> Snow <input type="checkbox"/> Fog or mist <input type="checkbox"/> Blowing snow <input type="checkbox"/> Thunder/lightning <input type="checkbox"/> Drizzle <input type="checkbox"/> Freezing Precipitation <input type="checkbox"/> Rain <input type="checkbox"/> Hail			
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Sling Psychrometer				Supplementary Data			
Dry bulb: _____ Wet bulb: _____ Dew point _____ Depression: _____ Humidity _____%				UV Index _____		_____ _____ _____	

Name: _____

Triangles and Angles

Locate and sketch the following in the schoolyard:

An acute angle	An obtuse angle
A right angle	A straight line
A square	A quadrilateral
Any triangle	An equilateral triangle
A cube	A plane of symmetry
An isosceles triangle	A circle