Weather Merit Badge Worksheet

Hiller Aviation Museum

This worksheet is not required but is designed to help you complete the Aviation Merit Badge requirements. No one can add to or subtract from the Boy Scout Requirements #33215. Requirements revised 2013. Worksheet revised November 2013.

The Hiller Aviation Museum program addresses sufficient requirements to complete the Weather Merit Badge except for Requirement 2 and 9A, which are completed by the Scout at home following the program. Only those requirements included in the Hiller Aviation Museum program are included. Requirements 2 and 9A must be met through home study and its separate observation sheet approved by a Merit Badge Counselor to qualify for the Weather Merit Badge.

Sc	out's Name:	_ Unit:	
Co	ounselor:		Aviation Museum 654-0200
1.	Define meteorology. Explain the different weather affects agriculture, maritime Describe the value of weather forecast	transport, aviation a	nd outdoor construction.

Identify 5 d	angerous weather-related conditions. What safety rules apply to each?
a.	
b.	
С.	
d.	
u.	
e.	
Explain the relevant saf	difference between severe weather watches and warnings, and discuss the fety rules.

Discuss the safety rules for weather-related conditions with your family. Obtain the signature of an adult family member who participated in the discussion on the Weather Observation Log and submit it to your counselor for review.

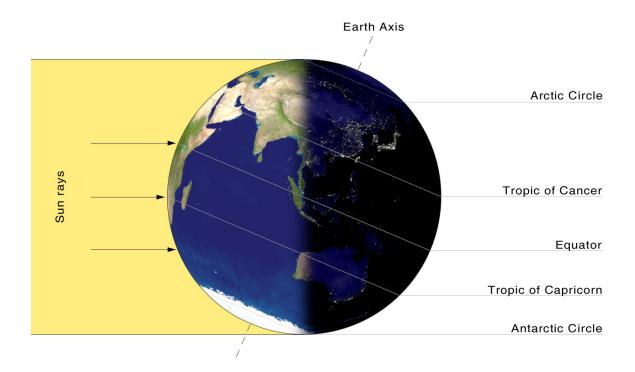
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		showing the location and movemer on and type of clouds associated w
	of front, and the location of p	m and type or clouds associated w
	Cold Front	Warm Front

Lightnin	g:				
Hail:					
	and describe cloud specific types of v		ddle and upper I	levels of the atmospher	e. Relate
Diagram	the water cycle a	nd label its majo		2	(a)
				(S)	
S	Solar Energy - Evar	ooration - Conder	nsation - Precipi	tation - Accumulation	

7.	Identify some human activities that can alter the environment, and describe how they affect the climate and people.

8. Describe how the tilt of Earth's axis helps determine the climate of a region near the equator, near the poles, and across the area in between.

Polar:							
Equatorial: _							
•							
Temperate:							
•							



9.	PART A: Build a weather station with one of the following instruments:
	a. Wind Vane b. Anemometer c. Rain Gauge d. Hygrometer
	(Museum uses a-c + thermometer). Record weather data daily for seven consecutive days and compare to data acquired from local television, radio, or internet (with your parents' permission) sources using the separate observation sheet. Live weather for the San Carlos area can be downloaded from the Hiller Aviation Museum's weather station at www.hiller.org (click on "Local Weather" at top right of home page).
10.	PART A: Prepare and present a talk of at least 5 minutes to a group of Scouts explaining the outdoor safety rules in the event of lightning, flash floods, and tornadoes.
11.	Find out about a weather-related career opportunity that interests you. Discuss the training, education and responsibilities required for this position.

Scout Peer Presentations

My Hazard (Circle):	 Lightning Flash Flood Tornado 			
My Assignment (Circle):	A. Describe Hazard	B. Safety Rules		