



SCOUTS PARTICIPATING IN A SCOUTMASTER BUCKY MERIT BADGE OPPORTUNITY (ONLINE OR IN PERSON), PLEASE CONSIDER ALSO USING THE SURVEYING MERIT BADGE CLASS PREPARATION PAGE FOR CLARIFICATIONS, INSIGHTS, AND EXPECTATIONS.

https://scoutmasterbucky.com/merit-badges/surveying/surveying-cpp.pdf

	SURVEYING MERIT BADGE WORKBOOK
REQUIREMENT 1:	Show that you know first aid for the types of injuries that could occur while surveying, including cuts, scratches, snakebite, insect stings, tick bites, heat and cold reactions, and dehydration.
Cuts:	
Scratches:	
Snakebite:	





Insect Stings:	
Tick Bites:	
Heat and Cold Reactions:	
Dehydration:	





REQUIREMENT 1:	poisonous animals that are found in your area.
Notes:	
REQUIREMENT 2a:	Set an instrument over one of the corners of a five-sided lot laid out by your counselor and sighting one of the other corners for reference and, using radial measurement methods, record the angle turned and the distance measured to each of the remaining corners, as directed by your counselor. Record the angle and distance to five topographic features (trees, shrubs, rocks, etc.) near your work area.
	This requirement must be reviewed with your merit badge counselor.
	BE PREPARED!
Notes:	





REQUIREMENT 2b:	between the points measured.
	This requirement must be reviewed with your merit badge counselor. BE PREPARED!
Notes:	
REQUIREMENT 3:	From the field notes gathered for requirement 2, and using a protractor and scale, plot the points you measured and draw to scale a map of your survey which includes a north arrow, scale bar, title, date, and a diagram of the lot you measured. Submit a neatly drawn copy.
Notes:	





REQUIREMENT 4:	Use one of the corner markers from requirement 2 as a benchmark with an assumed elevation of 100 feet. Using a level and rod, collect and record measurements, and determine the elevation of the other four corner markers.
	This requirement must be reviewed with your merit badge counselor. BE PREPARED!
Notes:	
REQUIREMENT 5:	Get a copy of the deed to a piece of property approved by your counselor, from the local courthouse or title agency. Discuss with your counselor the different parts of the deed and their importance.
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REQUIREMENT 6:	strengths and weaknesses of each.
DRONES:	
Strengths:	
Weaknesses:	
LASER SCANNING:	
Strengths:	
Weaknesses:	





REQUIREMENT 7:	Tell what GPS is
Notes:	
DECUIDEMENT 7.	Discuss with your councilor the importance of CDC in the field of currenting
REQUIREMENT 7:	Discuss with your counselor the importance of GPS in the field of surveying.
Notes:	
REQUIREMENT 7:	Discuss with your counselor how GPS is changing the field of surveying.
Notes:	



REQUIREMENT 8:



Surveying Merit Badge

Notes:					
REQUIREMENT 8:	Discuss the various type technology to other fields.	es of surveying	g and mapping,	and applications	of surveying
Notes:					

Discuss the importance of surveying with a licensed surveyor.





REGUIREMENT 6.	preparation for such a career.
Career Opportunity #1:	
Qualifications and Prepa	ration Required:
Career Opportunity #2:	
Qualifications and Prepa	ration Required:
Career Opportunity #3:	
Qualifications and Prepa	ration Required:
Career Opportunity #4:	
Qualifications and Prepa	ration Required: