 Print your name, address, city, unit type & number, District, Council & Merit Badge legibly. 	for this merit badge on District's list. ☐ Your unit leader signs & dates. ☐Read the merit badge pamphlet.	□Always meet with your counselor along with a buddy (a Scout, friend or parent).
Learning Counselor's Section	Applicant's Section	Council Section
Information for Applicant A merit badge application can be approved only by a registered merit badge counselor. You must have a buddy with you (Scout buddy system) at each meeting with the merit badge counselor. Turn in your approved application to your unit leader. You will be awarded the merit badge and certificate at a suitable occasion. Information for Counselor Merit badge applications must be signed in advance by the applicant's unit leader. The Scout must have his buddy (Scout buddy system) in attendance at all instructional sessions. You may not change any requirement, but you may share your knowledge or experience that will make the counseling more interesting and	and letterRequirementApprovalDate of InitialCounselorNo, and letterRequirementApprovalDate of InitialCounselor	APPLICATION FOR MERIT BADGE Name IIII Address IIIII City IIIII is a registered Boy Scout Varsity Scout Venturer of Troop No. IIIII Troop, team, crew, ship District IIIII Council IIIIIII and is qualified to begin working for this merit badge
waluable. #34124A COUNSELOR'S RECORD Applicant [[[[]]]] [[[]]]	APPLICANT'S RECORD Name IIIII CAMEROU MAISON	Date Signature of unit leader 34124A BOY SCOUTS OF AMERICA 2001 Boy Scouts of America The applicant has personally appeared before me and demonstrated to my satisfaction that he has met all requirements for the (please ptint) Merit badge
Troop Unit number IIIII roop, team, crew, ship Merit Badge Date completed	Has given me his completed application for the IIIII Merit Badge Completed on by	Name of counselor
emarks: It is suggested that the counselor keep this record for at least 1 year in case any question s raised later in regard to this award.	Signature of Counselor Signature of Unit Leader Note to Scout: Retain this copy for your permanent records.	Signature of counselor Checked and recorded: Date Date Initials Certificate and badge presented Date Date Applicant will turn in this portion to his unleader for record posting.
NSTRUCTIONS TO COUNSELOR:		INSTRUCTIONS TO UNIT:
Your Leader must verify that the ounselor is registered & approved	□Call counselor for appointment.	
Never meet alone with a Scout. Verify all info & merit badge name.	☐ Print your name, address, & ph. #☐ Date/initial requirements as done.	 □ A 2nd counselor can finish card. □ Note each name, address & phone



Environmental Science

Merit Badge Workbook

This workbook can help you but you still need to read the merit badge pamphlet (book). No one can add or subtract from the Boy Scout Requirements #33215. Merit Badge Workbooks and much more are below: Online Resources.

Worksheet developer: craig@craiglincoln.com. Requirements revised: 2006, Workbook updated: April 2008.

Scout's Name:				Unit:	
Counselor's Name: Co				s Ph #:	
1. Make a timeline of	the history of environ	nmental science	in America.		
1500	1600	1700	1800	1900	2000
Indiansmilla Forests Colonists over use	Mai utgin		group for med toprotectent in the yellowstone	30110	EPHENTAULISTHES SEXON
forests					
Include dates, names		ons, and importar	. /		
				1	
2. Define the followin population, the my	-	ing the g Spe	ilet		Spinet-
community, 1 group	p of animals int	eracting	minute Real Target	and a state of	
ecosystem, <u>a //</u>	resources and	species	that have a	reption Ship	e flábelynia Station
biosphere, Johnse	ground the e	arth tha	+ supports	Afe.	
symbiosis, Peace	t that liv	e tag other	- but don't for	ed each o their	2-1-10/2015

Environmental Science p. 2	Merit Badge Workbook Scout's Name:
niche, the ole of a spec	18 ing community
habitat, were where any	paulive
conservation, Varping an	simals and/or natural resources intent
threatened species, a Speci	of that will become engineered remove frome
endangered species, Sostal	they will become extinct if none it done
extinction work of the 5	pecies ss left
pollution prevention,	ing an aireg from polition
brownfield, industrial fie	18 with a foxic elements
ozone, group that protes	ets from un
watershed, aregon drai	viving into apply you water
airshed, areas that sh	are Gyr
nonpoint source, Sources o	Epophting
hybrid vehicle, R vehicle \$	hather two own cet of power
fuel cell. Const gas	to electricity and water

3. Do ONE activity in EACH of the following categories (using the activities in this pamphlet as the bases for planning and carrying out your projects):

A. Ecology

- 1. Conduct and experiment to find out how living things respond to changes in their environments. Discuss your observations with your counselor. -OR-
- 2. Conduct an experiment illustrating the greenhouse effect. Keep a journal of your data and observations. Discuss your conclusions with your counselor. -OR-

Environmental Science p. 3	Merit Badge Workbook	Scout's Name:
3. Discuss what is an ecosystem. Tell how		
An eleasystem is all 1	the relations in nature	. It is maintained by.
· ·		
	4-	
B. Air Pollution		
1. Perform an experiment to test for particular	ates that contribute to air pollution. Di	scuss your findings with your counselorOR-
	ould have been combined ("chained")	days, and calculate how many miles per gallon rather than taken out and back. Using the idea of ed in those seven daysOR-
help reduce its effects.		environment and the steps society can take to
A CONTRACTOR OF THE PROPERTY O	acid and suffer to get	og through the water exterough 1:1000 tens and polsons
to com up taking from the	a complete ather	and I was to the
March Source of Acid Co	to bead on exhaust	serutter. I from through a waterland
one the roll+ if fairly	on whate from that	mental fortiler
THE TALL OF THE PARTY	ean voca to the	0.000
	of Swaller of	The state of the s
	THE RESERVE OF THE RE	
	100-21-110	
	and the second of the second	Artist and the line and the artist at
LI September 1	W/ 110 p-140	
C. Water Pollution	774 7 7	1 p

1. Conduct an experiment to show how living things react to thermal pollution. Discuss your observations with your counselor. -

2. Conduct an experiment to identify the methods that could be used to mediate (reduce) the effects of an oil spill on waterfowl.

OR-

Discuss your results with your counselor. -OR-

Environmental Science p. 4	Merit Badge Workbook	Scout's Name:
3. Describe the impact of a waterborne aquatic fife, what the effect was, and w	pollutant on an aquatic community. Whether the effect is linked to biomagnific	rite a 100-word report on how that pollutant affected cation.
	<u> </u>	·
D. Land Pollution		
		ns or make a drawing of the soil before and after your your patrol or troop. (Per National, "troop" means
2. Perform an experiment to determine	the effect of an oil spill on land. Discu	ss your conclusions with your counselorOR-
3. Photograph an area affected by ero and what might be done to help allevia		ur counselor and discuss why the area has eroded
1.00	The state of the s	1 14
	22 and	The state of the s
		SECTION AND ADDRESS OF THE PARTY.
¥6 74	Liggy 0	The state of the s
E. Endangered Species		
	ny individual organisms are left in the v	at its natural habitat is, why it is endangered, what is wild. Prepare a 100-word report about the organism,
•	•	has now recovered. Find out how the organism as and discuss it with your counselorOR-
		professional to identify two projects that have been our area. Visit the site of one of these projects and

Environmental Science p. 5	Merit Ba	adge Workbook	Scout's Name:
1 11 1	1 (6)		The second representation of the second repre
-			
seven days and discuss with your cou 2. Determine 10 ways to conserve res least two of these methods for seven	inselor what you h sources or use res days and discuss	nave learnedOR- cources more efficient with your counselor	atly in your home, at school, or at camp. Practice at what you have learnedOR- biodegradable. Discuss your conclusions with your
	enn on Joh	Walmart bak	- no decomposion. Newsporm - partial
decomposion packing per	enuls - nod	ecomposion	- no decomposion, Newsport - partial cheez - it - decomposed form trubber
no decomposión			
			a tree of the sign walls
			.D3(XE) 2 - Y1
1910		sbylta)	Samil
		- F	
4. Choose two outdoor study areas th vs. dry land). For BOTH study areas,			(e.g., hilltop vs. bottom of a hill; field vs. forest; swamp
 a. Mark off a plot of 4 square yards in occupied by each plant species and the 			er of species found there. Estimate how much space is ies you find.
Study Plot Location:	I man and		lumber of Species:
Species	# Found	Space each occi	upies
-			
		-	

Environmental Science p. 6	Merit Badge Workbook	Scout's Name:
Non-plant species type Number	Non-plant s	pecies type Number
	-	-
		
to observe the living and nonliving parts differences in the observations. Keep a adequately addresses your observation and discuss this with your counselor	s of the ecosystem. Space each visit journal that includes the differences as, including how the differences of t	of six visits), staying for at least 20 minutes each time, tfar enough apart that there are readily apparent syou observe. Then, write a short report that the study areas might relate to the differences noted,
Visit 1 Date:	Time Started:	Time Ended:
Observations of living parts:		Sale Addresse kan yang ang sa
Observations of nonliving parts:		
Differences noted:		· · · · · · · · · · · · · · · · · · ·
Visit 2 Date:	Time Started:	Time Ended:
Observations of living parts:		<u> </u>
Observations of nonliving parts:		
Differences noted:		
Visit 3 Date:	Time Started:	Time Ended:
Observations of living parts:		
Observations of nonliving parts:		
Differences noted:		

Environmental Science p. 7	Merit Badge W	Vorkbook	Scout's Name:	
Then, write a short report that adequa relate to the differences noted, and dis				
	11.70	7000		
		or start		
	-	100		
	1744			
5. Using the construction project provi				
nvironmental impact statement for th	e project planned			
	_			
7				
6. Find out about three career opportu				
Water poly in Guy E	PA worker for	rnes fore	7 service	
- W- 9- 4/ L	,	PERSONAL PROPERTY.		<u> </u>
STATE OF THE PARTY		17/12/17/17	1 - 1 - 60	The motion inc
Pick one and find out the education, tr	aining, and experience r	equired for this pro-	ofession.	200 Lum 202 3081
				- 1
Discuss this with your counselor, and	explain why this profess	ion might interest	you	
•				100
				1
	. 5			
Control of the Contro	/	0.000		- 2
Online Resources (Use any Internet		31.000		
Boy Scouts of America: ► scouting.o		The first section of the section of	-Appropriate Guidelines	► <u>Safe Swim Defense</u>
► Scout ► Tenderfoot	► <u>Second Class</u>	► First Class	Rank Videos	► <u>Safety Afloat</u>
oy Scout Merit Badge Workbooks			it Badge Books: www.s	scoutstuff.org
dvocacy Organizations: http://www.s		10.00 10	//www.earth911.org	/h.a.a ann ==
ndangered Species: <a href="http://endangerep.pup.are/beautiful:-http://endangerep.are/beautiful:-http://endangerep.are/be</td><td></td><td></td><td>Protection Agency: http://www.l.Ni</td><td>·</td></tr><tr><td>eep America Beautiful: http://www.ka
at_Climatic Data Center: http://lwf.no</td><td></td><td></td><td>Center: http://www.LN</td><td><u>1.0(y</u></td></tr><tr><td>at. Climatic Data Center: http://lwf.nc		1 21/1/2	not http://www.ppa.gov	
at. Fish and Wildlife Foundation: http			ce: http://www.nps.gov	
atural Resources Cons. Service: http://			o://www.sierraclub.org	au fuo dov
ociety of American Foresters: http://www.fo.fo			/ildlife Service: http://ww	
SDA Forest Service: http://www.fs.fe		vviidille Conserv	vation Society: http://wc	s.or <u>y</u>
Norld Wildlife Fund: http://www.worldv	viiuiiie.urg			

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Camping

Merit Badge Workbook

This workbook can help you but you still need to read the merit badge pamphlet (book). No one can add or subtract from the Boy Scout Requirements #33216. Merit Badge Workbooks and much more are below: Online Resources.

Workbook	developer: craig@craiglingo	oln.com. Requirements re	evised: 2007, Workbook upd	ated: February 2009.
Scout's Name:	Cameron de 1	M240	/ Unit:	
Counselor's Name	: Bro. Little		Counselor's Ph #:	
	now first aid for and how to p	The state of the s	s that could occur while can	nping, including
hypothermia,	get thanout of cold	d. Huggz		
frostbite, / May	rm inflicted area			
heat reactions, ;	take-likess c	18thing get	to 5 hade, A.C	, cool &KIN
dehydration, 1 dc	ink in the lambert	<u> </u>		
altitude sickness,	adapt to attitu	76 22 gomu	2004	
insect stings,	ETTRE OF OCH	Hy Amt squ	ep.	T-al-CH
tick bites, 2 45	etwoders if	grown occu	us seeductor	
	and Frankes H m	~	Front - ouchange	* remiposition o
	refitting Short	1	IE SKIN	
and hyperventilatio	n			
2. Learn the Leave	No Trace principles			

Camping p. 2	Merit Badge Workbook	Scout's Name:			
and the Outdoor Code and explain	the Outdoor Code and explain what they mean. te a personal plan for implementing these principles on your next outing. Alake a written plan for an overnight trek show how to get to your camping spot using a topographical map and compass OR a topographical map and a GPS receiver.				
Write a personal plan for implemen	nting these principles on your next outing				
3. Make a written plan for an overr	night trek				
and show how to get to your camp	oing spot using a topographical map and con	npass OR a topographical map and a GPS receiver			
4. Do the following: (a) Make a duty roster showing ho	w your patrol is organized for an actual over	night campout. List assignments for each member.			
	los Scout unit in your area prepare for an act	tual campout, including creating the			
menu planning,					
equipment needs,					
general planning,		<u> </u>			

Camping p. 3	Merit Badge W	Vorkbook	Scout's Name:	
and setting up camp.				
5. Do the following:				
(a) Prepare a list of clothing you	would need for an overnight car	npout in both warm	weather and cold weather.	
Warm Weather				
Cold Weather				
		A Same little	ALCOHOLD VALUE	
Explain the term layering	120 AND 120			
1.12				
Art and a second				
(h) Discuss footwear for different	kinds of weather			
(b) Discuss lootwear for different	Killus of Weather			
				797.1
701				
100				-
	7.5			-
		2777		1007
and how the right footwear is imp	portant for protecting your feet.			4
(c) Explain the proper care and s	storage of camping equipment (c	clothing, footwear, I	pedding).	
(d) List the outdoor essentials ne	cessary for any campout, and e	xplain why each ite	m is needed.	
	is it needed			
tvily				
	-			
				_

Camping p. 4	Merit Badge Workbook	Scout's Name:
	·	
		<u> </u>
		
		-
		-
(e) Present yourself to your Sc	outmaster with your pack for inspection.	
	• • •	
6. Do the following:		
-	r types of tents, when and where they could be	used.
	Types of tollo, more and more and could be	
	mall	
100		
	<u> </u>	
Where to use		
Type Hybrid		
	<u> </u>	
When to use		
Where to use		· .
and how to care for tents.		
		<u> </u>
Working with another Scout, pit	ich a tent.	-
-	camp sanitation and sick next of	rease tooks good and keep!

Camping p. 5	Merit Badge Wo	orkbook Scout's Nar	ne:
		NI SEC	
and tell why water treatment is e	ssential.		
Then demonstrate two ways to	treat water.	The second	
(c) Describe the factors to be co	nsidered in deciding where to pito	h vour tent	
	isidered in deciding where to pito		
d) Tell the difference between in	iternal-		
and external-frame packs.			
			
Discuss the advantages and disa			
	rame Pack	Externa	al Frame Pack
Advantages	Disadvantages	Advantages	Disadvantages
	1		
	-		
e) Discuss the types of sleeping	bags and what kind would be su	itable for different conditions.	
Type of Sleeping Bag		s this sleeping bag appropriate	7
Cottan	worm clima		december 1
5 Athetic	everything e	15e	
naberonos			
Aur	cold climas	P	

Camping p. 6	Merit Badge Workbook	Scout's Name:	· .
Explain the proper care of your sleeping bag	Leep (+ dry		
and how to keep it dry.			
Make a comfortable ground bed.			
7. Prepare for an overnight campout with you			
(a) Make a checklist of personal and patrol go			
Person Gear Checklist			
	П.	П	
	_		
	🗆		
Patrol Gear Checklist			
□ <i></i> □ <i></i> _			
O			
□			
□ □ _ _	🗓		
(b) Pack your own gear and your share of the			
getting what is needed first, and that it has be	een assembled properly for comfo	rt, weight, balance, size and neathe	ess
8. Do the following:			
(a) Explain the safety procedures for:			
(1) Using a propane or butane / propane stov	/e		
(2) Using a liquid fuel stove			
			
(3) Proper storage of extra fuel			
			-
(b) Discuss the advantages and disadvantag	es of different types of lightweight	cooking stoves.	

Camping p. 7		Merit Badge Workt	oook	Scout's Name:
Туре	Advantages		Di	sadvantages
		404/5		
	_			
(c) Prepare a camp me	enu. Explain how the mo	enu would differ from a	menu for a l	packpacking or float trip.
				18.68
Give recipes and make	a food list for your patr	ol. Plan two breakfast	s, three lunch	nes, and two suppers.
Breakfast 1: Food List:			Breakfast 2: F	Food List:
		100000	101-	
]	
Recipes		F	Recipes	
Total paral T			7	
		41794		
		No. of the last of		
Lunch 1 Food List:		unch 2 Food List:		Lunch 3 Food List:
	г	The same	100	
			1	
П		518	DW42 -	THE STATE OF THE S
		7		National Control of the Control of t
□	[] ¬	44-5	
			##=	

Camping p. 8	Merit Badge Workbook	Scout's Name:
Supper 1: Food List:	Supper 2: F	Food List:
Recipes	Recipes _	
Discuss how to protect your food again	nst bad weather, animals, and contamina	ation.
		the meals you have planned for requirement 8c. At stove.
9. Show experience in camping by doi	ing the following:	
20 nights must be at a designated Sco	nd 20 nights. Sleep each night under the souting activity or event. You may use a weady been pitched, you need not pitch you	sky or in a tent you have pitched. The 20 days and eek of long-term camp toward this requirement. If ur own tent.
		

Camping p. 9	Merit Badge Workbook	Scout's Name:
3144		
(b) On any of these camping ex supervision:	xperiences, you must do TWO of the following	
1. Hike up a mountain, gainir	ng at least 1,000 vertical feet.	And the second s
		and the second
3. Take a bike trip of at least	15 miles or at least four hours.	ASSESSMENT OF THE STATE OF THE
4. Plan and carry out a float t	trip of at least four hours.	
5. Plan and carry out an over	rnight snow camping experience.	
6. Rappel down a rappel rout	te of 30 feet or more.	See the second section of the little
	ect approved by the landowner or land manag	
	3,7,7,7	nal health and safety,
	12 P	Sa and an
survival,	To program the second	E Transaction of the later
	1000	
	And agreement and the	
oublic health,		
	N. T. Control of the	
conservation,		
		MESSEL TO A THE RESIDENCE OF THE
	91112	
and good citizenship	9.024.2	

Camping p. 10	Merit Badge Workbook	Scout's Name:
In your discussion, tell how Scot	ut spirit and the Scout Oath and Law apply to	camping and outdoor ethics.
		
Online Becourses // les anula	townst resource with position and anliquith to	un paratto au suardianto parmiagian
	ternet resource with caution and only with yo outing.org ► Guide to Safe Scouting ► p	Age-Appropriate Guidelines ► Safe Swim Defense
► Scout ► Tend		
		on your site. Please instead post links to these:
		g: http://www.usscouts.org/mb/worksheets/list.asp
Requirement Resources		
These resources and much mor	re are at: http://meritbadge.org/wiki/index.php	/Camping
	adge.org/wiki/index.php/First_Aid for these lir	
	asics2 Wilderness First Aid CPR Basics Ve	
	Clinic First Aid Guide Class 1 Exam Class 3	
	://meritbadge.org/wiki/index.php/Camping for	rtnese links and more: ligs Pads Tents Water Purification Leave No Trace
		e Cooking USScouts: Camping Camps Database
		Types - Sleeping Bag Selection - More Checklists
2: Leave No Trace and Outdo		
3: Map & Compass: See http	://meritbadge.org/wiki/index.php/Orienteering	for these links and more:
Free Topographical Maps:		com: http://www.topozone.com/ (free 8.5x11.)
Satellite, Street & Terrain: h		
	meritbadge.org/wiki/index.php/Essentials_for	the Outdoors
	kipedia.org/wiki/Tent#Current_tent_styles	
	ttp://www.rei.com/expertadvice/articles/water-	
	ampsite: http://www.rei.com/expertadvice/arti	
	Frame: http://www2.gsu.edu/~www.rec/touch/ tp://en.wikipedia.org/wiki/Sleeping_bag#Desi	
	Bag: http://www.rei.com/expertadvice/articles	
	adge.org/wiki/index.php/Cooking for these lin	
Outdoor Cooking Lesson	Videos: Food Selection - Food Quality - Sto	ves - Utensils - Water Purification - Leave No Trace
Outdoor cooking links: S	coutstuff.org - Scoutorama - USScouts.Org -	MacScouter - RecipeSource.com -
		ok - NetWoods.com - Scout Camp Cooking - The
Contract to the contract to th	ckskinner Cookbook - Ol' Buffalo Outdoor Co	
	Scouts.Org - MacScouter - dutchovencookwa	
	king Merit badge - Leave No Trace - Stove Sa	
	Ige.org/wiki/index.php/Hiking for these links a	
	<u> Footwear - Blisters - Gear - Cold Weather - Warther - </u>	
	- Internal vs. External Frame - Clothing - Soc	
	John State S	
General Resources Knot Videos ▶ Basics	► Basics2 ► Animated Knots	
USScouts.org: ▶ Oriente		Cooking ► Camping ► More
O O O O O O O O O O O O O O O O O O O	ZOTALIA P OGITIPO D'OLOGOGO	

U.S. Bureau of Land Management: http://www.blm.gov

Sea Base: http://www.bsaseabase.org

Print your name, address, city, unit type & number, District, Council & Merit Badge legibly.	for this merit badge on District's list. ☐ Your unit leader signs & dates. ☐Read the merit badge pamphlet.	□Always meet with your counselor along with a buddy (a Scout, friend or parent).
& Counselor's Section	Applicant's Section	Council Section
Information for Applicant A merit badge application can be approved only by a registered merit badge counselor. You must have a buddy with you (Scout buddy system) at each meeting with the merit badge counselor. Turn in your approved application to your unit leader. You will be awarded the merit badge and certificate at a suitable occasion. Information for Counselor Merit badge applications must be signed in advance by the applicant's unit leader. The Scout must have his buddy (Scout buddy system) in attendance at all instructional sessions. You may not change any requirement, but you may share your knowledge or experience that will make the counseling more interesting and valuable. #34124A	2 A InitialCourselorNo. and letterRequirementApprovalDate of InitialCourselorNo. and letterRequirementApprovalDate of InitialCourselorNo.	APPLICATION FOR MERIT BADGE Name IIII Address IIIII City IIIIII is a registered Boy Scout Varsity Scout Venturer of Troop No. IIIIII Troop, team, crew, ship District IIIIII Council IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII
COUNSELOR'S RECORD Applicant IIIII	APPLICANT'S RECORD Name IIIII IIIIII Has given me his completed application for the	The applicant has personally appeared before me and demonstrated to my satisfaction that he has met all requirements for the (please print)
***	Merit Badge	Address of counselor
Merit Badge Date completed	Completed on by Date	City Zip cod [[[[]]] Telephone number of counselor
lemarks: It is suggested that the counselor keep this record for at least 1 year in case any question is raised later in regard to this award.	Signature of Counselor Signature of Unit Leader Note to Scout: Retain this copy for your permanent records.	X Signature of counselor Checked and recorded: Date Date Initials Certificate and badge presented Date Applicant will turn in this portion to his uleader for record posting.
NSTRUCTIONS TO COUNSELOR:		Instructions to Unit:
Your Leader must verify that the ounselor is registered & approved	□Call counselor for appointment.	Mondonono To Onit.
Never meet alone with a Scout. Verify all info & merit badge name.	☐ Print your name, address, & ph. #☐ Date/initial requirements as done.	 □ A 2nd counselor can finish card. □ Note each name, address & phor

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Fishing

Merit Badge Workbook

This workbook can help you but you still need to read the merit badge pamphlet (book). No one can add or subtract from the Boy Scout Requirements #33216. Each Scout must do each requirement. Merit Badge Workbooks and more: Online Resources. Send comments to the workbook developer: craig@craiglincoln.com. Requirements revised: 2010, Workbook updated: 8/10.

Scout's Name:	Unit:
Counselor's Name:	Counselor's Ph #:
. Do the following:	
	or the following health concerns that could occur while fly-fishing, including cuts, geograph predict with clean atoth by though the Hope
puncture wounds, most puncture	[12] [13] [14] [15] [15] [15] [15] [15] [15] [15] [15
insect bites, protect your rody	1. We something with Aydrocort; some
hypothermia, last of body head	Terred speech shivening uncontro
dehydration, lack 20 Markets Par	
heat exhaustion, werkness no	wester any skin, be down evenus feet zons
heatstroke, wears such as a such as	
and sunburn. Keep right cloth	ing on, Sunscreren, Aboutere, Distense
b. Explain how to remove a hook that has lod	Iged in your arm. Znews: Fits showing that the line Pull
back through with more line, pe	15/ it through cut of barb and pull out
c. Name and explain five safety practices you	u should always follow while fly-fishing.
trip itenerary here a pla	malet some one unow Whenevo were you are soiney
wading - Stalk Thour gray Come	Sul Joh'd y plant foot incom of quarter
	eather check weather have a depth map keeps tight up know has
	down have offen poddle and prothingly
margareraph - alway home	
Discuss the differences between two types of	
ype 2: Aly fishing	Differences: Horad and rece land lay you wretten

ishing p. 2	Merit Badge Workbo	ok Scout's Name:
oint out and identify the parts o		xplain how and when each would be used. Review with yo
Example of a Spi	nning Rod & Reel	Example of a Salt Water Trolling Rod & Reel
How used: Wes Gray to	NUMBERS WERES PROFES	Lewer Brows poten 675 F 12
When used: Lane Casting	soft and prolling	GOOD OCEAN AND TON FORES FITTY
Care: takecorenna	s fremsolphic responden	with sont high Stock nations wides
xample of an Ice Fishing Rod 8	Reel	Example of a Fly Fishing Rod & Reel
ow used: When later		
	and the meter from the or	ever bot of the so two many of 2 whippont

clinch, _____

palomar, ______

turle, _____

Fishing p. 3 blood loop (barrel knot)		Merit Badge Workbook	Scout's Name	e:
and double surgeon's lo	юр		WILLIAM SKY	
5. Name and Identify fiv	e Artificial Lures and exp	plain how to fish with them	. (Here are some examp	ples)
2	The state of the s			and the second supermitted and an analysis of the second supermitted analysis of the second supermitted and an analysis of the second supermitted analysis o
Spimer	Joseph	<u> </u>	Watic w	My Bug
Fross MITHOS Cravous	Hook though	note and fish in the lips under they are rost	or ident	artindr and hookin the
		lo Trace techniques. Disco RUS Apithaut John		of Leave No Trace on fishing
for flowing and	1	and relation a first		00/5
TO THE RESERVE OF THE PERSON NAMED IN	properly release a fish sa	fish out netyon		remove the makenth
				they were adopted and what you
and the second	Control of the Contro	order the fish	V	

CONTRACTOR OF THE PARTY OF THE

Fishing p. 4	Merit Badge Workbook	Scout's Name:
8. Explain what good outdoor s	sportsmanlike behavior is and how it relates t	o anglers. Gen inout anticon nemost
Pare Sal Groups Site	1 - 1 12 den: [7 mm 82 Mm.]	other in on entrement and conser
veton minded	100 101 0 101 0 100 100 VI	I MOT AND THE STATE OF STATE O
DELANCE IN , NO CO)		
Tell how the Outdoor Code of t	the Boy Scouts of America relates to a fishing	g enthusiast, including the aspects of
littering, Cleaning 40	ofter ourselves	
trespassing, is proh	bite	
trespassing,	101760	-
courteous behavior,	sther space keep the ex	nu ; ronmen the same
and obeying fishing regulations	s. if you are when 14 or	HIND you don't med a licenter
Ban't fish with	live boilt if promoted	1 10 2 3 3 1
		and cook a fish you have caught. Otherwise, acquire a fis
and cook it.	•	and cook a lish you have caught. Otherwise, acquire a lis
Online Resources: (Use any	Internet resource with caution and only with	your parent's or guardian's permission.)
Boy Scouts of America: ► so	couting.org ► Guide to Safe Scouting ►	► <u>Age-Appropriate Guidelines</u> ► <u>Safe Swim Defense</u>
A SHEAR CO.	derfoot ► Second Class ► First Class	The state of the s
Boy Scout Merit Badge Worl	kbooks: usscouts.org -or- meritbadge.org	Merit Badge Books: www.scoutstuff.org
Requirement Resources		**
These resources and more are	e at: http://meritbadge.org/wiki/index.php/Fish	ning.
	badge.org/wiki/index.php/Fisrt_Aid for these	
	Basics2 Wilderness First Aid CPR Basics \	
		s 3 Warning Signs of Cancer - Heart Disease
•	A THE RESIDENCE OF THE PARTY OF	Pro Shop: http://www.basspro.com/
3: Fishing lessons online:		sics for Kids ≤ Advanced Fishing
	ge.org/wiki/index.php/Pioneering for these link	
	<u>sics2 - USScouts Knots</u> - <u>Animated knots - M</u> ea Scout Knots - Ropers Knots Page - <u>Climb</u>	
5: Fishing Lures	sa Scout Kriots - Ropers Kriots Page - Climb	ring Kilots - risking Kilots - Kilots fildex
Cabela's: http://www.cabela	is com/ Rass Pro Shon; ht	ttp://www.basspro.com/
6: Leave No Trace (see next)		ttp://www.bdssbro.com
•	vs for your state: http://www.takemefishing.c	ora/fishina/license
8: Outdoor Code (see next page 1)	-	5 g/115 mig/1155/1155
	://www.expertvillage.com/video-serie <u>s/2211</u>	fillet-saltwater-fish htm
	adge.org/wiki/index.php/Cooking for these lin	
	election - Food Quality - Stoves - Utensils - W	
	ve No Trace - Cooking - Water Treatment - S	
General Resources:		
American Fisheries Society: h	ttp://www.fisheries.org American	a Zoo and Aquarium Association: http://www.aza.org

American Sportfishing Assn.: http://www.asafishing.org

Future Fisherman Foundation: http://www.futurefisherman.org

Print your name, address, city, unit type & number, District, Council & Merit Badge legibly.	for this merit badge on District's list. ☐ Your unit leader signs & dates. ☐Read the merit badge pamphlet.	□Always meet with your counselor along with a buddy (a Scout, friend, or parent).	
& Counselor's Section	Applicant's Section	Council Section	
Information for Applicant A merit badge application can be approved only by a registered merit badge counselor. You must have a buddy with you (Scout buddy system) at each meeting with the merit badge counselor. Turn in your approved application to your unit leader. You will be awarded the merit badge and certificate at a suitable occasion. Information for Counselor Merit badge applications must be signed in advance by the applicant's unit leader. The Scout must have his buddy (Scout buddy system) in attendance at all instructional sessions. You may not change any requirement, but you may share your knowledge or experience that will make the counseling more interesting and valuable. #34124A COUNSELOR'S RECORD Applicant IIIII IIIII Troop Unit number IIIIII Merit Badge Date completed Remarks:	APPLICANT'S RECORD Name IIII Has given me his completed application for the IIIII Merit Badge Completed on by Date Signature of Counselor	APPLICATION FOR MERIT BADGE Name IIII City IIIII is a registered Boy Scout Varsity Scout Venturer of Troop No. IIIII Council IIIII and is qualified to begin working for this merit badge X Date Signature of unit leader 34124A BOY SCOUTS OF AMERICA 2001 Boy Scouts of America The applicant has personally appeared before me and demonstrated to my satisfaction that he has met all requirements for the (please print) Merit badge IIIII Name of counselor IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	
It is suggested that the counselor keep this record for at least 1 year in case any question is raised later in regard to this award.	Signature of Unit Leader Note to Scout: Retain this copy for your permanent records.	Checked and recorded: Date Date Initials Certificate and badge presented Date Applicant will turn in this portion to his unit leader for record posting.	
Instructions to Counselor: ☐Your Leader must verify that the	□Call counselor for appointment.	Instructions to Unit:	
counselor is registered & approved ☐ Never meet alone with a Scout. ☐ Verify all info & merit badge name.	☐ Print your name, address, & ph. #☐ Date/initial requirements as done.	☐ A 2 nd counselor can finish card. ☐ Note each name, address & phone.	

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