

Cycling

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. Workbook developer: craig@craiglincoln.com. Requirements revised: 2005, Workbook updated: April 2008.

Scout's Name:	Unit:				
Counselor's Name:	inselor's Name: Counselor's Ph #:				
•	or illnesses that could occur while cycling, including				
heat reactions,					
insect stings,					
snakebite,					
blisters					
2. Clean and adjust a bicycle. Prepare it for laws.	inspection using a bicycle safety checklist. Be sure the bicycle meets local				
	nple Bicycle Safety Checklist				
Frame - Clean and not bent out of shape.	No cracks at Frame Joints .				
Front Fork - Clean and not bent out of shap	pe. No cracks at Fork Joints .				
☐ Headset Bearing - Well lubricated; turns fre	eely with no binding. No perceptible play in the assembly.				
	not more than barely perceptible play in the bearing.				
Crank Arms - Clean and not bent out of sh					
Chainrings - Clean, not worn, and not bent Crankarms.	out of shape. Chainring Bolts tightened securely to hold Chainrings to				
Pedals - Bearings well lubricated; turn free functional.	ely with no play in the bearing. Pedals tightly screwed into Crankarm. Toe Clips				
Fenders - Clean; tightly attached without ra					
	tight. Closed and tight quick-releases. Centered in form or frame members.				

Cycling p. 2	Merit Badge Workbook	Scout's Name:
<u> </u>	. Tightened to a uniform tension. completely airtight. Properly inflated to rec	ommandad praecura
Rims - Clean of all oil and grim		oninended pressure.
_	ng 1/2 inch of play. No stiff links. Clean, lul	bricated, and wiped of excess lubrication
<u> </u>	ree-speed gears adjusted to eliminate all s	•
☐ Brakes		
-	perate within a 20-degree back-pedaling m	notion.
		out binding. Minimum of 3/16 inch of rubber on ninimum of movement of Hand Controls. No squeal
Cables - No frayed ends. No b	oroken strands. All taut.	
☐ Handlebars - Tightened secure	ely. Grips not worn; fit snugly, adjusted to d	comfort of rider, ends plugged, & in line with wheel.
Saddle - Height, tilt, and fore/a beyond maximum mark on p	•	s securely tightened. Seatpost not extended
Lights - Front light visible for 5	00 feet. Generator or battery in good opera	ating condition.
Rear Red Reflectors/Lights - V	isible for 300 feet. Lights/Blinkers function	al with generator or batteries.
Bell or Horn - In good operating fasteners.	g condition. All accessories well tightened	and securely fastened. No broken frames or
☐ Bike Registration - If required by	by local law, must be displayed on frame.	
3. Show your bicycle to your cou	nselor for inspection. Point out the adj	ustments for repairs you have made.
Counselor:		
Please make sure the Counselor in	itials this on your application. You can hav	re multiple Counselors for one merit badge.
Do the following:		
A. Show all points that need oiling r	regularly.	
B. Show points that should be chec	eked regularly to make sure the bicycle is sa	afe to ride.
C. Show how to adjust brakes, seat	level and height, and steering tube	
4. Describe how to brake safely v	vith foot breaks and with hand brakes.	
5. Show how to repair a flat. Use	an old bicycle tire.	

- 6. Take a road test with your counselor and demonstrate the following:
 - A. Properly mount, pedal, and brake, including emergency stops.
 - B. On an urban street with light traffic, properly execute a left turn from the center of the street; also demonstrate an alternate left-turn technique used during periods of heavy traffic.
 - C. Properly execute a right turn.

 - D. Demonstrate appropriate actions at a right-turn-only lane when you are continuing straight.

 E. Show proper curbside and road-edge riding. Show how to ride safely along a row of parked cars.

Cycling p. 4		Merit Badge Workbook	Scout's Name:
Ride 3 – 15 Miles Route:			Miles:
Most interesting things seen:			
Ride 4 – 15 Miles Route:	Date:		Miles:
Most interesting things seen:			
Ride 5 – 25 Miles	Date:		Miles:
Route:			
Most interesting things seen:			
Ride 6 – 25 Miles	Date:		Miles:
Route:			
Most interesting things seen:			

Cycling p. 5	Merit Badge	Workbook Scout's Nan	ne:
9. After fulfilling require make this ride in 8 hour	· •	50-mile trip. Stay away from main	highways. Using your map,
50 Mile Ride	Date:	Miles:	:
Route:			
Most interesting things	seen:		
•	=	and only with your parent's or guard	
		Scouting ► Age-Appropriate Gui First Class	
	· · · · · · · · · · · · · · · · · · ·	itbadge.org Merit Badge Books	
•		Basics = Basics2 = CPR Basics	_
-		ats ► Maintenance ► Trail Riding	·
	//www.bicyclingmagazine.com	BMXPLUS! Magazine: http://www	
	: http://www.mountainbike.com	Adventure Cycling Association: h	_
	ation: http://www.ababmx.com/	Intl. Mountain Bicycling Associati	
•	rclists: http://www.bikeleague.org/	Nat. Off-Road Bicycle Assn.: http	
USA Cycling: http://www	usacycling.org/		