

First round of learning objectives for Bike Safety Club  
Community Cycling Center & Portland State University

<b>Major Assessment Goal</b>	<b>Learning Objective</b>	<b>S-T Instrument / Pop</b>	<b>L-T Instrument / Pop</b>
<b>Safety Behaviors</b>	<b>Student will be able to:</b>		
	-Properly fit and adjust helmet and straps	Observer, Staff survey / All	Student Interviews / 4 <sup>th</sup>
	-Use hand signals while riding	Observer, Staff survey / All	Student Interviews / 4 <sup>th</sup>
	-Identify traffic signs	Observer, Staff survey, IAT*/ All	Student Interviews / 4 <sup>th</sup>
	-Identify intersection signals	Observer, Staff survey, IAT/ All	Student Interviews / 4 <sup>th</sup>
	-Make right and left turns while riding	Observer, Staff survey/ All	n/a
	-Brake and stop while riding	Observer, Staff survey/ All	n/a
	-Signal while riding	Observer, Staff survey/ All	n/a
	-Scan/shoulder check while riding	Observer, Staff survey/ All	n/a
	-Identify road hazards and tough terrain	Pre/post, Observer, Staff survey/all	Student Interviews/4 <sup>th</sup>
	-Identify traffic hazards	Pre/post, Observer, Staff survey/all	Student Interviews/4 <sup>th</sup>
	-Use emergency avoidance techniques	Observer, Staff survey/ All	n/a
	-Explain how to ride in the rain	Pre/post, Observer, Staff survey/all	Student Interviews/4 <sup>th</sup>
	-Demonstrate the procedure if an accident occurs	Observer, Staff survey/ All	Student Interviews/4 <sup>th</sup>
	-Demonstrate how to be visible while riding	Observer, Staff survey/ All	Student Interviews/4 <sup>th</sup>
-Demonstrate safe group riding skills	Observer, Staff survey/ All	n/a	
-Understand roadway right-of-way	Pre/Post, Observer, Staff survey/all	n/a	
<b>Physical Safety of Bike</b>	<b>Student will be able to:</b>		
	-fit his or her bicycle	Observer, Staff survey/ All	n/a
	-check that wheels are secure and straight	Observer, Staff survey, IAT/All	n/a
	-check for correct tire pressure	Observer, Staff survey/ All	Student Interviews/4 <sup>th</sup>
	-check that brakes are functioning properly	Observer, Staff survey, IAT/All	n/a
	-check that handlebars and stem are straight and secure	Observer, Staff survey, IAT/All	n/a
	-check that saddle is straight and secure	Observer, Staff survey, IAT/All	n/a
	-check that pedals and crankarms are straight and secure	Observer, Staff survey, IAT/All	n/a
-check that hub bearings are secure	Observer, Staff survey, IAT/All	n/a	
<b>Student Health</b>	<b>Student will be able to:</b>		
	-demonstrate an increase in bicycle use after completing BSC	Pre/post survey/All	Student Interviews/4 <sup>th</sup>
	-demonstrate a change in attitude towards	Pre/post survey/All	Student Interviews/4 <sup>th</sup>

health

Parent survey

**Maintenance Skills**

**Student will be able to:**

- name the parts of the bicycle and their functions
- identify tools and their use
- remove wheels
- install wheels
- remove tire and tube
- install tire and tube
- patch a punctured tube

Observer, Staff survey, IAT/All  
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 Observer, Staff survey, IAT/All  
 Observer, Staff survey, IAT/All

Student Interviews/4<sup>th</sup>  
 n/a  
 Student Interviews/4<sup>th</sup>  
 Student Interviews/4<sup>th</sup>  
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 Student Interviews/4<sup>th</sup>

**Academic Learning**

**Student will be able to:**

- read a map
- identify safe streets for biking
- plan a route
- calculate distance using a map
- improve his/her attendance at school
- improve his/her behavior
- improve his/her math skills

IAT/All  
 IAT/All  
 IAT/All  
 IAT/All  
 PPS data points  
 PPS data points  
 PPS data points

n/a  
 Student Interview/4<sup>th</sup>  
 n/a  
 n/a  
 n/a  
 n/a  
 n/a

**Definitions:**

IAT = Integrated Assessment Tools (or games)

S-T = short term

L-T = long term

Pop = population

Observer = third-party observation survey

Staff survey = Program leader assessment of student

Pre/Post = Pre- and post-assessment tool administered before and after program

PPS data points = Portland Public School's information on students