

# Bitter Litter

**Grade Level:** 6<sup>th</sup>

**Lesson Time:** 50 Min.

**Objective:**

1. The student will participate in service learning that benefits the environment.
2. The student will convert decimal, percent, and fractions to another form.
3. The student will collect compare and display data using an appropriate format.

**Materials:**

Gloves, garbage bags, tarp, bitter litter handout, litter (from around the school), paper, glue

**Procedures/Steps:**

<p>Introduce the project- Recycling- Talk about how it is not good to litter. That you should recycle items that can be to help make the environment cleaner.</p> <p>Talk about things that the students do not need to pick up on you litter collection</p> <ul style="list-style-type: none"><li>*Cigarette butts</li><li>*Broken Glass</li></ul> <p>Talk about what kinds of litter they might find and estimate how much of each kind they will find. What kind of litter do they think is the worst?</p>	5 Min.	Bitter Litter Paper for each student	
<p>Take the students out side and have them get a partner and go around the schoolyard and pick up litter.</p>	15 Min.	Gloves, garbage bags	Have them work with a group of students so that there are three or four students in their group.

<p>Have the students bring back their litter and sort it into the kinds of litter and graph the amount of each type of litter that was found.</p> <p>Then have the students figure out what percent, and fraction of the litter was different groups.</p>	<p>10 Min.</p>	<p>Tarp</p>	<p>Have them work with a partner to complete the graph and figuring out percents and fractions.</p>
<p>Talk to the students about where the litter could be taken (besides the trash can), and what can be done with it to help the environment.</p> <p>Talk about biodegradable and which of the items would fall under that category.</p>	<p>8 Min.</p>		

**Assessment:**

Formative:

\*Watch the students as they are separating the litter and make sure that they are putting the litter into correct piles.

Summative:

\*Have the students fill out the “Bitter Litter” worksheet and hand it in. make sure that they filled it in correctly and correctly figured out the percents, decimals, and graph.

**Reflection:**