Lesson Plan Title:	Trash Timeline	Instructor:	

Suggested Total Time for Lesson (minutes): 15-20 minutes

Content Focus - What will Students Learn? (Content Skill Sets)

To provide a visual and hands-on method exhibiting how long it takes for trash to decompose. Also ideal for combining a STEM curriculum with Leave No Trace

Materials:		Resources:		
Trash Timelir Packet	ne Cards from the Activity Materials	The 7 Principles - Leave No Trace Center for Outdoor Ethics (Int.org)		
Lesson Out	line: What learning activities will y	our students do?		
Time	Sequence/Description of Learn	ing Activity		
3-5 min		pictures, as many to each participant as necessary to distribute all pictures, a ime pages in a similar manner. Try to ensure that no person holds both a e.		
		, trying to figure out which pictures match up with which time periods. As the		
	 make their matches, you can comment on their accuracy and have them try to correct any errors. Students will talk to each other and figure out how long each item takes to decompose. When they finish, it would be nice to have them line up in order from shortest to longest time. 			
35-45 min	 Variation: Split your group into teams for a mini competition to see who can most accurately pair the images to their timeline date in the shortest amount of time. Instead of partners, the teams will simply be creating a timeline on the ground using the trash images and date range cards. This will require you to print out and use multiple sets of the Trash Timeline Cards from the Activity Materials packet. 			
5 min	Check for Understanding/Summaria Consider the following que What object's decomposity			
	What are some factors that	t relate to decomposition? Can we list them? type, time, moisture, heat, the item itself, size of the item, elevation, slope,		

Modifications, Support, and Extensions (for those students with IEP)				
Reflection- Did the students learn the content outlined in the lesson focus? Why or why not?				
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Note: See below for a list of the decomposition rates for common items. The cards do not indicate which item matches up to which time frame. Write this list down or use this page as a reference.

Orange or Banana Peel	Up to 2 years
Cigarette Butts	1 to 5 years
Leather	1 to 5 years
Wool Socks	1 to 5 years
Gum	5 years
Plastic-Coated Paper	5 years
Plastic Bags	10 to 20 years
Plastic BagsNylon Fabric	,
O	30 to 40 years
Nylon Fabric	30 to 40 years 50 years
Nylon Fabric Tin Cans	30 to 40 years 50 years 80 to 100 years
Nylon Fabric Tin Cans Aluminum Can	30 to 40 years 50 years 80 to 100 years 100 years