Plastic Takeaway



Think

What is happening here?



Solve

A landfill doubles in width every day. On day one it is 1m wide. Calculate the growth for a week and plot this as a graph.

Discover

Fact: Some types of plastics, known as thermoplastics, can be melted down and recycled. Whereas thermosetting plastics cannot be reshaped by heating.

Question: Which plastics in your house could be recycled? Make a list of other materials that can be recycled.

Respond Write a descriptive paragraph about this scene. Think about the noises, the putrid smell and appearance of the plastic.

Reimagine

Upcycle waste plastic items that you can find at home, turning them into something useful.

Discuss

Archaeologists can find out a huge amount about what other cultures have thrown away. What might future archaeologists be able to deduce about you from what you've thrown away?





For more activities like this, visit: twinkl.com/imagine/**sustainability**



Plastic Takeaway **Answers**

Calculate the growth for a week.	
The width doubles every day. There are seven days in a week.	
Day 1: 1	m
Day 2: 2	2m
Day 3: 4	Im
Day 4: 8	3m
Day 5: 1	6m
Day 6: 32m	
Day 7: 6	54m
Plot this as a graph.	
Children may use any appropriate type of graph. For example, a bar chart or line graph would look something like this:	
70	70
60	60
50	50
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Vidth 05	
ڪ 20	20 E
10	10
0	
	1 2 3 4 5 6 7 1 2 3 4 5 6 7 (Days) (Days)



