

Compost Bottle

1	Overall aims: <ul style="list-style-type: none"> • Know how composting works. • Discover the process of decomposition. • Teach kids how to be eco-friendly. • Develop the ability to observe.
2	Vocabulary - keywords Composting, process of decomposition, soil, bottle.
3	Sustainable abilities developed <ul style="list-style-type: none"> • Respect the environment. • Engaging with nature. • Strengthen the relationship with the environment, with resources and with the natural and diversities of the environment. • Emphasize with nature.
4	Pillars of sustainability included <ul style="list-style-type: none"> • Environmental sustainability.
5	STEAM domains <ul style="list-style-type: none"> • Thoughtful thinking • Learning to learn • Initiative and autonomous thinking • Self-directed learning
6	Teaching methodologies/activity outline Remove any labels from the bottle and cut off the top. Fill the bottom with soil and then add a layer of compostable material. Alternate layers of soil and materials until you fill up the bottle. Add a small amount of water (just enough to make it wet without soaking). Place the bottle outside in a place where it will get sun and won't be disturbed. Let it sit for several weeks and check it regularly to see the decomposition. Older kids might also consider keeping a scientific journal where they can note how the compost changes on a daily basis.



7	<p>Expected learning outcomes</p> <p>The child will be able to:</p> <ul style="list-style-type: none"> ● Follow instructions. ● Understand how composting works. ● Know the process of decomposition. ● Develop the ability to observe.
8	<p>Assessment</p> <p>Assessing what pupils are learning during the activity.</p>
9	<p>Equipment and materials to be used in learning unit (tools, ingredients etc)</p> <ul style="list-style-type: none"> ● An empty, two-liter, clear plastic bottle ● Soil ● Leaves, grass clippings, other yard waste, or compostable kitchen scraps ● Newspaper
10	<p>Kind of setting - lab, kitchen, outdoor etc.</p> <p>Outdoor.</p>
11	<p>References - source:</p> <p>https://www.tomsofmaine.com/good-matters/thinking-sustainably/4-cool-science-experiments-for-kids-that-teach-sustainability</p>

