

Plant Factory



Kindergarten-3rd Grade

Water Discovery Field Trip Program

Objective

To educate students on the parts and functions of plants.

Overview

Students will discuss what plants need to survive, the five parts of a plant, photosynthesis, and construct a human plant from roots to flowers.

Length of Time

20-30 minutes

Next Generation Science Standards* Connections

Kindergarten	K-PS3 Energy K-ESS3 Earth and Human Activity
1st Grade	1-LS1 From Molecules to Organisms: Structures and Processes 1-LS3 Heredity: Inheritance and Variation of Traits
2nd Grade	2-LS2 Ecosystems: Interactions, Energy, and Dynamics 2-LS4 Biological Evolution: Unity and Diversity
3rd Grade	3-LS1 From Molecules to Organisms: Structures and Processes 3-LS3 Heredity: Inheritance and Variation of Traits



Common Core State Standards Connections

Kindergarten	ELA/Literacy	RI.K.1, W.K.2, SL.K.3, SL.K.5, W.K.7
	Mathematics	MP.2, MP.4, K.CC, K.MD.A.2
1st Grade	ELA/Literacy	RI.1.1, RI.1.2, RI.1.10, W.1.7, W.1.8
	Mathematics	MP.2, MP.5, 1.MD.A.1, 1.NBT.B.3, 1.NBT.C.4, 1.NBT.C.5, 1.NBT.C.6
2nd Grade	ELA/Literacy	W.2.7, W.2.8, SL.2.5
	Mathematics	MP.2, MP.4, MP.5, 2.MD.D.10
3rd Grade	ELA/Literacy	RI.3.7, SL.3.5, RI.3.1, RI.3.3, RI.3.2, W.3.2, SL.3.4
	Mathematics	MP.4, 3.NBT, 3.NF, MP.2, MP.4, 3.MD.B.4

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