

NYSSLS Standards Addressed In Each Smithsonian Kit

Life Science Units	Earth and Space Science Units	Physical Science Units	Engineering Design Units
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Kindergarten:

Exploring Plants and Animals	Exploring My Weather	Exploring Forces and Motion
K-LS1-1 , K-ESS2-2 , K-ESS3-1	K-ESS2-1 , K-ESS3-2 , K-ESS3-3 , K-PS3-1 , K-PS3-2	K-PS2-1 , K-PS2-2

Grade 1:

How Do Living Things Stay Safe and Grow? **	How Can We Predict When the Sky Will Be Dark?	How Can We Light Our Way in the Dark? **	How Can We Send a Message Using Sound?
1-LS1-1 , 1-LS1-2 , 1-LS3-1 , K-2-ETS1-1	1-ESS1-1 , 1-ESS1-2 , 1-PS4-2	1-PS4-2 , 1-PS4-3 , 1-LS1-1 , K-2-ETS1-1	K-2-ETS1-1 , K-2-ETS1-2 , K-2-ETS1-3 , 1-PS4-1 , 1-PS4-4

Grade 2:

How Do Plants and Animals Need Each Other? **	What Can Maps Tell Us About Land and Water on Earth?	How Do Heating and Cooling Change the Properties of Materials? **	How Can We Stop Soil From Washing Away?
2-LS2-1 , 2-LS2-2 , 2-LS4-1 , K-2-ETS1-1	2-ESS2-2 , 2-ESS2-3 , 2-PS1-1	2-PS1-1 , 2-PS1-2 , 2-PS1-3 , 2-PS1-4 , K-2-ETS1-1	K-2-ETS1-1 , K-2-ETS1-2 , K-2-ETS1-3 , 2-ESS1-1 , 2-ESS2-1

Grade 3:

What Explains Similarities and Differences Between Organisms?	How Do Weather and Climate Affect Our Lives?	How Can We Predict Patterns of Motion?	How Can We Protect Animals When Their Habitat Changes?
3-LS1-1 , 3-LS3-1 , 3-LS3-2 , 3-LS4-2 , 3-ESS2-2	3-ESS2-1 , 3-ESS2-2 , 3-ESS3-1 , 3-5-ETS1-1	3-PS2-1 , 3-PS2-2 , 3-PS2-3 , 3-PS2-4 , 3-5-ETS1-1	3-5-ETS1-1 , 3-5-ETS1-2 , 3-5-ETS1-3 , 3-LS2-1 , 3-LS4-1 , 3-LS4-3 , 3-LS4-4

Grade 4:

How Can Animals Use Their Senses to Communicate?	What Is Our Evidence That We Live on a Changing Earth?	How Does Motion Energy Change in a Collision?	How Can We Provide Energy to People's Homes?
4-LS1-1 , 4-LS1-2 , 4-PS4-2 , 4-PS4-3 , 3-5-ETS1-1	4-ESS1-1 , 4-ESS2-1 , 4-ESS2-2 , 4-ESS3-2 , 4-PS4-1 , 3-5-ETS1-1	4-PS3-1 , 4-PS3-2 , 4-PS3-3 , 4-LS1-1 , 3-5-ETS1-1	3-5-ETS1-1 , 3-5-ETS1-2 , 3-5-ETS1-3 , 4-PS3-2 , 4-PS3-4 , 4-ESS3-1

Grade 5:

How Can We Predict Change in Ecosystems?	How Can We Use the Sky to Navigate?	How Can We Identify Materials Based on Their Properties?	How Can We Provide Freshwater to Those in Need?
5-LS1-1 , 5-LS2-1 , 5-PS1-1 , 5-PS3-1	5-ESS1-1 , 5-ESS1-2 , 5-PS2-1 , 3-5-ETS1-1	5-PS1-1 , 5-PS1-2 , 5-PS1-3 , 5-PS1-4 , 5-LS1-1	3-5-ETS1-1 , 3-5-ETS1-2 , 3-5-ETS1-3 , 5-ESS2-1 , 5-ESS2-2 , 5-ESS3-1

Grade 6:

Matter and Its Interactions	Space Systems Exploration	Energy, Forces, and Motion
MS-PS1-1 , MS-PS1-2 , MS-PS1-3 , MS-PS1-4 , MS-PS1-5 , MS-PS1-6 , MS-PS3-4 , MS-ETS1-1 , MS-ETS1-2 , MS-ETS1-3 , MS-ETS1-4	MS-ESS1-1 , MS-ESS1-2 , MS-ESS1-3 , MS-PS2-4 , MS-ETS1-1 , MS-ETS1-2	MS-PS2-1 , MS-PS2-2 , MS-PS2-4 , MS-PS3-1 , MS-PS3-2 , MS-PS3-5 , MS-ETS1-2 , MS-ETS1-3 , MS-ETS1-4 ,

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****These titles are not currently available in the OCM BOCES rotation; they will be added in the 2021-2022 and 2022-2023 school years.**