

Massachusetts OpenSciEd Elementary Unit Standards Alignment

This document provides Massachusetts [STE standards](#) guidance to Massachusetts teachers using Elementary OpenSciEd Elementary Curriculum materials. This document should not be used as scope and sequence.

Kindergarten Unit	Standards Addressed
K.1 Energy: Sunlight	K-PS3-1, K-PS3-2, 1.K-2-ETS1-1, 1.K-2-ETS1-2
K.2 Weather	K-ESS2-1, K-ESS3-2
K.3 Mighty Movers	K-PS2-1, K-PS2-2*, 1.K-2-ETS1-1, 1.K-2-ETS1-2, 2.K-2-ETS1-3
K.4 Ecosystems	K-LS1-1, K-LS1-2(MA), K-ESS2-2, K-ESS3-1*, K-ESS3-3

1 st Grade Unit	Standards Addressed
1.1 Waves: Light	1-PS4-2*, 1-PS4-3
1.2 Waves: Sound	1-PS4-1, 1-PS4-4, 1.K-2-ETS1-1, 1.K-2-ETS1-2, 2.K-2-ETS1-3
1.3 Space: Sky Patterns	1-ESS1-1, 1-ESS1-2
1.4: Animal & Plant Traits	1-LS1-1, 1-LS1-2, 1-LS3-1, 1.K-2-ETS1-1, 1.K-2-ETS1-2

2 nd Grade Unit	Standards Addressed
2.1 Earth: Land Changing Shape	2-ESS1-1*, 2-ESS2-1, 2-ESS2-4(MA), 1.K-2-ETS1-1, 1.K-2-ETS1-2, 2.K-2-ETS1-3
2.2 Structure & Properties of Matter	K-PS1-1(MA), 2-PS1-1, 2-PS1-2, 2-PS1-3, 2-PS1-4, 1.K-2-ETS1-1, 1.K-2-ETS1-2, 2.K-2-ETS1-3
2.3 Habitats & Biodiversity	2-LS4-1, 2-ESS2-2, 2-ESS2-3
2.4 Plants	2-LS2-1*, 2-LS2-2*, 2-LS2-3(MA)

Notes:

Grades K-2 MA standards not currently addressed (recommended integration TBD): 2-PS3-1(MA)

*NGSS standards not included in MA standards

- 2-LS2-1(NGSS) is fully included in other standards [K-LS1-1 and 2-LS2-3(MA)]

3rd Grade Unit	Standards Addressed
3.1 Forces & Interactions	3-PS2-1, 3-PS2-2*, 3-PS2-3, 3-PS2-4, 3.3-5-ETS1-1, 4.3-5-ETS1-3
3.2 Weather & Hazards	3-LS1-1, 3-ESS2-1, 3-ESS2-2, 3-ESS3-1, 3.3-5-ETS1-1, 3.3-5-ETS1-2, 3.3-5-ETS1-4(MA), 4.3-5-ETS1-5(MA)
3.3 Trait Variations	3-LS1-1, 3-LS3-1, 3-LS3-2, 3-LS4-1, 3-LS4-2, 3-LS4-5(MA)
3.4 Ecosystem Change & Survival	3-LS2-1*, 3-LS3-1, 3-LS4-3, 3-LS4-4, 3.3-5-ETS1-2

4th Grade Unit	Standards Addressed
4.1 Energy Transfer: Collisions	3-PS2-1, 4-PS3-1, 4-PS3-2, 4-PS3-3
4.2 Energy Transfer: Electricity	4-PS3-2, 4-PS3-4, 4-PS4-3, 4-ESS3-1, 3.3-5-ETS1-1, 4.3-5-ETS1-3, 3.3-5-ETS1-4(MA), 4.3-5-ETS1-5(MA), 5.3-5-ETS3-1(MA)
4.3 Earth Processes	4-PS4-1, 4-ESS1-1, 4-ESS2-1, 4-ESS2-2, 4-ESS3-2, 3.3-5-ETS1-2
4.4 Structure & Function	4-LS1-1, 4-LS1-2*, 4-PS4-2

5th Grade Unit	Standards Addressed
5.1 Ecosystems & Matter Cycling	5-PS1-1, 5-PS3-1, 5-LS1-1, 5-LS2-1, 5-LS2-2(MA)
5.2 Matter Properties	5-PS1-1, 5-PS1-2, 5-PS1-3, 5-PS1-4, 5-ESS3-2(MA), 3.3-5-ETS1-1, 4.3-5-ETS1-3
5.3 Earth Systems	5-PS2-1, 5-ESS2-1, 5-ESS2-2, 5-ESS3-1, 3.3-5-ETS1-2
5.4 Earth in the Universe	5-ESS1-1, 5-ESS1-2

Notes:

3-PS2-1 is fully addressed between Unit 3.1 and Unit 4.1, 4-PS3-2 is fully addressed between Unit 4.1 and Unit 4.2

Grades 3-5 MA standards not currently addressed (recommended integration TBD): 5.3-5-ETS3-2(MA)

*NGSS standards not included in MA standards