This document provides guidance to Massachusetts teachers using OpenSciEd as their classroom science curriculum. The following identifies the MA standards addressed or partially addressed in the OpenSciEd units. *Italics: Partially addressed standards.* Refer to the Unit Guidance documents for additional information.

|  |  |  |
| --- | --- | --- |
| **6th grade** | **Light & Matter** | *6.MS-PS4-2* |
| **Sound Waves** | 6.MS-PS4-1, *6.MS-PS4-2* |
| **Forces at a Distance** | *7.MS-PS2-5*, 7.MS-PS3-2 |
| **Earth in Space** | 6.MS-ESS1-1a, 6.MS-ESS1-5(MA), 6.MS-PS2-4, *6.MS-PS4-2*, 8.MS-ESS1-1b, *8.MS-ESS1-2*  |
| **Plate Tectonics & Rock Cycling** | 6.MS-ESS1-4, 6.MS-ESS2-3, *6.MS-LS4-1,* 7.MS-ESS2-2, 8.MS-ESS2-1 |
| **Cells & Systems**  | 6.MS-LS1-1, 6.MS-LS1-2, 6.MS-LS1-3 |
| **7th grade** | **Contact Forces** | *6.MS-ETS2-1(MA),* 6. MS-ETS2-2(MA), 7. MS-PS3-1, 7.MS-PS3-5, *7.MS-ETS1-2*, 7.MS-ETS1-4, 7.MS-ETS1-7(MA), 8.MS-PS2-1, *8.MS-PS2-2, 8.MS-ETS2-4(MA)* |
| **Thermal Energy** | *6.MS-PS4-2,* 6.MS-ETS1-6(MA),7.MS-PS3-3, 7.MS-PS3-4, 7.MS-PS3-5, *7.MS-PS3-6(MA),* 7.MS-ETS1-4, 7.MS-ETS1-7(MA), *8.MS-PS1-4* |
| **Matter Cycling & Photosynthesis** | 6.MS-LS1-2, 7.MS-LS2-3, *8.MS-PS1-2* |
| **Ecosystem Dynamics & Biodiversity** | *6.MS-ETS1-1*, 7.MS-LS2-1, 7.MS-LS2-2, 7.MS-LS2-4, 7.MS-LS2-5, 7.MS-LS2-6(MA)*, 7.MS-ESS3-4, 7.MS-ETS1-2, 7.MS-ETS1-4* |
| **Earth’s Resources & Human Impact** | 7.MS-ESS3-4, *7.MS-ETS1-2.* 8.MS-ESS3-1, 8.MS-ESS3-5 |
| **Natural Hazards**  | 6.MS-PS4-3, *6.MS-ETS1-1;* 7.MS-ESS3-2; *7.MS-ETS1-2,* 7.MS-ETS3-1(MA), 7.MS-ETS3-2(MA) |
| **8th grade** | **Chemical Reactions & Matter**  | 8.MS-PS1-1, 8.MS-PS1-2, 8.MS-PS1-5 |
| **Chemical Reactions & Energy** | 6.MS-PS1-6, *7.MS-ETS1-2, 7.MS-ETS1-4,* 7.MS-ETS1-7(MA) |
| **Metabolic Reactions** | *8.MS-LS1-5*, 8.MS-LS1-7, 8. MS-PS1-1, 8.MS-PS1-2 |
| **Genetics** | *6.MS-LS1-2, 7.MS-LS1-4,* 8.MS-LS1-5, 8.MS-LS3-1, 8.MS-LS3-2, 8.MS-LS3-3(MA), 8.MS-LS3-4(MA), 8.MS-LS4-5 |
| **Natural Selection & Common Ancestry** | 6.MS-LS4-1, 6.MS-LS4-2, *7.MS-LS1-4*, 8.MS-LS4-4 |
| **Weather, Climate & Water Cycling** | 6.MS-PS1-7(MA), *6.MS-PS4-2*, 7.MS-ESS2-4, 7.MS-PS3-4, *7.MS-PS3-6(MA),* 8.MS-ESS2-5, 8.MS-ESS2-6, *8.MS-PS1-4, 8.MS-PS2-2* |