

OpenSciEd Massachusetts Standards Guidance

6th Grade: Light & Matter

This document is to provide guidance to Massachusetts 6th grade teachers who are implementing [OpenSciEd](#). This guidance assumes the OpenSciEd curriculum is being implemented across grades 6-8, following the [MA coherent sequence by grade level](#) (*download*). The following guidance identifies the MA standards addressed in the [Light & Matter](#) unit, and the most effective use of the OpenSciEd materials for 6th grade teachers.

Scope and Sequence Recommendation

Implement the *Light & Matter* unit in 6th grade as the first unit of the year, before the *Sound Waves* unit. *Light & Matter* addresses 6.MS-PS4-2, building a foundation for coherent transition to the *Sound Waves* unit. Refer to the [MA coherent sequence by grade level](#) (*download*) for the complete scope and sequence recommendation.

6th Grade Standards in *Sound Waves*

Standards in unit	Lessons building towards standards
<p>6.MS-PS4-2. [Partial] Use diagrams and other models to show that both light rays and mechanical waves are reflected, absorbed, or transmitted through various materials.</p> <ul style="list-style-type: none"> • Why partial? <i>Light & Matter</i> address the transmission, reflection, and absorption of light waves, but does not address mechanical waves. • <i>Sound Waves</i> addresses mechanical wave transmission and is coherently sequenced in 6th grade after <i>Light & Matter</i>. 	Lessons 1-8

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