Welcome to the OSE Mass On-Demand Support Library! We are so excited to have you here.

Teachers and leaders across the state have expressed a need for a “one-stop shop,” a place where individuals could find everything they need relative to OpenSciEd in Massachusetts. The resources and materials catalogued here will grow with items the OSE Mass Community of teachers, leaders, and supporters create to help us all with our aim: sustained, effective implementation of OSE across Massachusetts.

Please join us in building this library of resources.* Share materials, links, videos, and your nuggets of wisdom! It is how we all get better faster.

For more information, contact Sharon Liszanckie, *Operations Lead*, at sharon.liszanckie@osemass.org.

With gratitude,
The OSE Mass Team

**Included resources come from many organizations.*
OSE Mass maintains only those that come directly from our organization.

OSE Mass On-Demand Support

- Recordings: OSE Mass PL (e.g., webinars, workshops, presentations) and voices from our community
- Resources: Implementation Overview and materials to support Pillars of Sustained, Effective OSE Implementation
  - Build Community: Ensure consistent, transparent communications with teachers, leaders, and families to support implementation and change management. Celebrate and champion successes.
  - Attend to Logistics: Remove “roadblocks” to implementation and ensure teachers can attend PL. Secure necessary materials, supplies & in-district/school time for collaboration. Meet grant requirements & budget effectively for the now and future years.
  - Bolster Curriculum & Instruction: Embed OSE’s key instructional elements (KIEs), emphasizing routines and discussions. Attend to shifts in teacher mindset necessary for sustainability. Provide teacher support & feedback, facilitating engagement outside your school for learning.
- Community Events: Materials from Community Days, Student Showcases, Grant Convenings, and more

Quick Start Guides (*Access more OpenSciEd Curriculum Links here*)	6.1 Light & Matter	7.1 Chm Re & Matter	8.1 Contact Forces
	6.2 Thermal Energy	7.2 Chm Re & Energy	8.2 Sound Waves
	6.3 Weather	7.3 Metabolic React	8.3 Forces at a Dist
	6.4 Plate Tectonics	7.4 Matter Cycling	8.4 Space
	6.5 Natural Hazards	7.5 Ecosystem Dyn	8.5 Genetics
	6.6 Cells & Systems	7.6 Earth's Resources	8.6 Natural Selection

Recordings
Professional learning (e.g., webinars, workshops, presentations) and voices from our community

Categories *(Alphabetical Order)*	**Titles and Resources**	**Source**
Absences	Strategies for Supporting Absent Students (August 2024)	OpenSciEd
Assessment	Assessments Across an OpenSciEd Unit (May 2021)	OpenSciEd
Back to School	***Back to School September 2024*** • Lesson Planning • Discussion Planning • Information for Leaders: Materials, Sequence, and Planning Support (Start of the School Year)	OSE Mass
Coherence	OpenSciEd's Instructional Model: Prioritizing Coherence from the Student Perspective (July 2020)	OpenSciEd
	The Middle School Scope & Sequence - Designing for Coherence with Brian Reiser (February 2020)	
Communication	Parent and Home Communication (September 2022)	OpenSciEd
Curriculum Materials	Materials that Support Equitable Science Classrooms (July 2020)	OpenSciEd
	Navigating the Materials and OpenSciEd Website (August 2024)	
Crosscutting Concepts	Crosscutting Concepts Alignment to OSE/MA Sequences	OSE Mass
Getting to Know OSE	Getting to Know OpenSciEd (September 2019)	OpenSciEd
Grading	Grading that Supports Sensemaking (September 2022)	OpenSciEd
	Grading Smarter not Harder - Grading that Works for Students & Teachers (September 2023)	
Making DQBs, Discussion & Assessment Accessible to All	Teacher PLC January 2025 (Making DQBs, Discussion & Assessment Accessible to all) • Session 1: Slides & Recording (DQB's) • Session 2: Slides & Recording (Discussions) • Session 3: Slides & Recording (Assessments)	OSE Mass

Quick Start Guides (*Access more OpenSciEd Curriculum Links here*)	6.1 Light & Matter	7.1 Chm Re & Matter	8.1 Contact Forces
	6.2 Thermal Energy	7.2 Chm Re & Energy	8.2 Sound Waves
	6.3 Weather	7.3 Metabolic React	8.3 Forces at a Dist
	6.4 Plate Tectonics	7.4 Matter Cycling	8.4 Space
	6.5 Natural Hazards	7.5 Ecosystem Dyn	8.5 Genetics
	6.6 Cells & Systems	7.6 Earth's Resources	8.6 Natural Selection

Middle School Unit Webinars	6.1 Light & Matter	7.1 Chm Re & Matter	8.1 Contact Forces	OpenSciEd
	6.2 Thermal Energy	7.2 Chm Re & Energy	8.2 Sound Waves	
	6.3 Weather	7.3 Metabolic React	8.3 Forces at a Dist	
	6.4 Plate Tectonics	7.4 Matter Cycling	8.4 Space	
	6.5 Natural Hazards	7.5 Ecosystem Dyn	8.5 Genetics	
	6.6 Cells & Systems	7.6 Earth's Resources	8.6 Natural Selection	
Multilingual Learners	Supporting Emerging Multilingual Learners (July 2020)			OpenSciEd
Norms	Establishing Norms & Classroom Culture (August 2022)			OpenSciEd
Notebooks	Using Science Notebooks (August 2022)			OpenSciEd
Phenomena	The How and Why of Phenomena-Based Learning (October 2023)			OpenSciEd
Planning	Planning to Teach a New OpenSciEd Unit (August 2024)			OpenSciEd
Science and Engineering Practices	Science and Engineering Practices Alignment to OSE/MA Sequences			OSE Mass
Strengthening Routines	Leader/Coach PLC December 2024 (Strengthening Routines) • Session 1: Slides & Recording • Session 2: Slides & Recording • Session 3: Slides & Recording			OSE Mass
Substitute Plans	Substitute Plans that Support Sensemaking (August 2024)			OpenSciEd

Quick Start Guides (*Access more OpenSciEd Curriculum Links here*)	6.1 Light & Matter	7.1 Chm Re & Matter	8.1 Contact Forces
	6.2 Thermal Energy	7.2 Chm Re & Energy	8.2 Sound Waves
	6.3 Weather	7.3 Metabolic React	8.3 Forces at a Dist
	6.4 Plate Tectonics	7.4 Matter Cycling	8.4 Space
	6.5 Natural Hazards	7.5 Ecosystem Dyn	8.5 Genetics
	6.6 Cells & Systems	7.6 Earth's Resources	8.6 Natural Selection

Resources

Implementation overview and materials to support Pillars of Sustained, Effective OSE Implementation

- Implementation Overview Documents
  - Implementation Overview
  - Build the Foundation Phase

- Pillars of Sustained, Effective OSE Implementation

Build Community	*Ensure consistent, transparent communications with teachers, leaders, and families to support implementation and change management. Celebrate and champion successes.* *Example topics include, but are not limited to: adopting OSE, celebrating and championing OSE, and introducing OSE to stakeholders.*
Attend to Logistics	*Remove "roadblocks" to implementation and ensure teachers can attend PL. Secure necessary materials, supplies & in-district/school time for collaboration. Meet grant requirements & budget effectively for the now and future years.* *Example topics inc;ude, but are not limited to: choosing a sequence, grant spending, kit lists, managing/purchasing/replenishing materials, and vendors.*
Bolster Curriculum & Instruction	*Embed OSE's key instructional elements (KIEs), emphasizing routines and discussions. Attend to shifts in teacher mindset necessary for sustainability. Provide teacher support & feedback, facilitating engagement outside your school for learning.* *Example topics include, but are not limited to: assessment, classroom walkthrough protocol, curriculum materials, discourse, multilingual learners, and peer observation protocol.*

Quick Start Guides (*Access more OpenSciEd Curriculum Links here*)	6.1 Light & Matter	7.1 Chm Re & Matter	8.1 Contact Forces
	6.2 Thermal Energy	7.2 Chm Re & Energy	8.2 Sound Waves
	6.3 Weather	7.3 Metabolic React	8.3 Forces at a Dist
	6.4 Plate Tectonics	7.4 Matter Cycling	8.4 Space
	6.5 Natural Hazards	7.5 Ecosystem Dyn	8.5 Genetics
	6.6 Cells & Systems	7.6 Earth's Resources	8.6 Natural Selection

Build Community

Ensure consistent, transparent communications with teachers, leaders, and families to support implementation and change management. Celebrate and champion successes.

Categories *(Alphabetical Order)*	**Materials to Support**	**Source**
Adopting OSE	Center for Instructional Support CUrriculum RAtings by TEachers (CURATE) Resource Page	MA DESE
	Crosscutting Concepts Alignment to OSE/MA Sequences	OSE Mass
	Design Specifications • Design Specifications Overview	OpenSciEd
	High-Quality Science Instructional Materials Quick Reference Guide	OpenSciEd
	How to Adopt OpenSciEd Middle School	OpenSciEd
	IMplement MA • Center for Instructional Support IMplement MA Resource Page • IMplement MA Course	MA DESE
	The OpenSciEd Difference	OpenSciEd
	OpenSciEd Instructional Model Walk Through	OpenSciEd
	OpenSciEd in Massachusetts Resource Page	MA DESE
	OpenSciEd Program Overview	OpenSciEd
	Science and Engineering Practices Alignment to OSE/MA Sequences	OSE Mass
	Teacher Handbook	OpenSciEd
	What is OpenSciEd?	OSE Mass
	Why OpenSciEd?	OpenSciEd
Celebrating OSE Success	***Community Day*** • March 4, 2025 • October 9, 2024 • April 9, 2024 • October 6, 2023	One8 Foundation

Quick Start Guides (*Access more OpenSciEd Curriculum Links here*)	6.1 Light & Matter	7.1 Chm Re & Matter	8.1 Contact Forces
	6.2 Thermal Energy	7.2 Chm Re & Energy	8.2 Sound Waves
	6.3 Weather	7.3 Metabolic React	8.3 Forces at a Dist
	6.4 Plate Tectonics	7.4 Matter Cycling	8.4 Space
	6.5 Natural Hazards	7.5 Ecosystem Dyn	8.5 Genetics
	6.6 Cells & Systems	7.6 Earth's Resources	8.6 Natural Selection

	Facebook Accounts (Examples) • Boston Collegiate Charter School • Plymouth Public Schools STE • Westfield, MA Public Schools	Facebook Account Holders
	Facebook Groups 6.1 Light & Matter / 7.1 Chm Re & Matter / 8.1 Contact Forces 6.2 Thermal Energy / 7.2 Chm Re & Energy / 8.2 Sound Waves 6.3 Weather / 7.3 Metabolic React / 8.3 Forces at a Dist 6.4 Plate Tectonics / 7.4 Matter Cycling / 8.4 Space 6.5 Natural Hazards / 7.5 Ecosystem Dyn / 8.5 Genetics 6.6 Cells & Systems / 7.6 Earth's Resources / 8.6 Natural Selection	Facebook Account Holders
	Testimonials • Transforming Science Learning: OpenSciEd's Impact on the Taunton Public Schools *(Carnegie Corporation of New York)*	Various Organizations
	X Accounts (Examples) • abeslo • AmandaSanderman • Nicolejbolduc • Pearwilliambaur • TBrainskyOSM	X Account Holders
	Student Industry Connects	One8 Foundation
	Industry-Applied Learning Student Showcase	One8 Foundation
Championing OSE	Why OpenSciEd?	OpenSciEd
	The OpenSciEd Difference	OpenSciEd
Introducing OSE to Stakeholders	Introducing Caregivers to OSE • Sample OpenSciEd Parent Letter	OpenSciEd
	New Science Curriculum at Whitcomb Middle School | OpenSciEd	Stephanie Gill
	Report Overview of OpenSciEd by EdReports	EdReports
	Introducing OSE to Stakeholders - Sample Meeting Materials	OEI (Boston College)

Quick Start Guides (*Access more OpenSciEd Curriculum Links here*)	6.1 Light & Matter	7.1 Chm Re & Matter	8.1 Contact Forces
	6.2 Thermal Energy	7.2 Chm Re & Energy	8.2 Sound Waves
	6.3 Weather	7.3 Metabolic React	8.3 Forces at a Dist
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Attend to Logistics:

Remove "roadblocks" to implementation and ensure teachers can attend PL. Secure necessary materials, supplies & in-district/school time for collaboration. Meet grant requirements & budget effectively for the now and future years.

Categories *(Alphabetical Order)*	**Materials to Support**			**Source**
Choosing a Sequence	Choosing a Sequence | OSE or MA Sequence			OSE Mass
	MA OpenSciEd Scope and Sequence of Units Recommendation			MA DESE
Crosscutting Concepts	Crosscutting Concepts Alignment to OSE/MA Sequences			OSE Mass
Google	Most OSE materials are hosted in Google Docs, Slides, and Sheets. Teachers are encouraged to copy these resources and modify them to suit their classroom needs. Refer to OpenSciEd Curriculum Quick Links for popular resources.			OSE Mass
Grant Champions	Roles of Different Grant Champions			OSE Mass
Kit Lists (*Access more OpenSciEd Curriculum Links here*)	6.1 Light & Matter	7.1 Chm Re & Matter	8.1 Contact Forces	OpenSciEd / DESE
	6.2 Thermal Energy	7.2 Chm Re & Energy	8.2 Sound Waves	
	6.3 Weather	7.3 Metabolic React	8.3 Forces at a Dist	
	6.4 Plate Tectonics	7.4 Matter Cycling	8.4 Space	
	6.5 Natural Hazards	7.5 Ecosystem Dyn	8.5 Genetics	
	6.6 Cells & Systems	7.6 Earth's Resources	8.6 Natural Selection	
Locally Sourced Items	Locally Sourced Items By Unit			OSE Mass
Managing Materials and Supplies	Accessing OSE Curriculum Materials Online			OSE Mass
	Managing Materials Presentation (10/9/24 Community Day)			OSE Mass & Leaders from across MA
Ordering & Replenishing Materials	***Generic Order Form Templates for Teachers with Totals***			OSE Mass
	6.1 Light & Matter	7.1 Chm Re & Matter	8.1 Contact Forces	
	6.2 Thermal Energy	7.2 Chm Re & Energy	8.2 Sound Waves	
	6.3 Weather	7.3 Metabolic React	8.3 Forces at a Dist	

Quick Start Guides (*Access more OpenSciEd Curriculum Links here*)	6.1 Light & Matter	7.1 Chm Re & Matter	8.1 Contact Forces
	6.2 Thermal Energy	7.2 Chm Re & Energy	8.2 Sound Waves
	6.3 Weather	7.3 Metabolic React	8.3 Forces at a Dist
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	6.5 Natural Hazards	7.5 Ecosystem Dyn	8.5 Genetics
	6.6 Cells & Systems	7.6 Earth's Resources	8.6 Natural Selection

Professional Learning (PL)	Dates and locations of PL at Calendar - OSE Mass Community		OSE Mass
	Materials for Facilitator PL		OpenSciEd
	Curriculum Launch	Equitable Discussions	
	Student Sensemaking	Universal Design	
	Making Thinking Visible	Innovative Assessments	
	Materials for Teacher PL		OpenSciEd
	Curriculum Launch	Equitable Discussions	
	Student Sensemaking	Universal Design	
	Making Thinking Visible	Innovative Assessments	
	Materials for Teacher PL from OEI		OEI (Boston College)
	Round 1 Curriculum Launch	Round 2 Empowering Sensemaking	
	Round 3 Equitable Discussions	Round 4 Universal Design for Learning	
	Round 5 Assessment	Round 6 Making Thinking Visible	
	Moves to Ensure PL Attendance		OSE Mass
	Register for PL by clicking the registration link at Calendar - OSE Mass Community		OSE Mass
	Sequences and Locations of PL		OSE Mass
	Videos • OpenSciEd YouTube Account • Philadelphia Public Schools Exemplary Teaching Video Library		Various
Purchasing Materials	Choosing a Kit Vendor		OSE Mass
	How to Purchase Middle School Materials		OpenSciEd
Science and Engineering Practices	Science and Engineering Practices Alignment to OSE/MA Sequences		OSE Mass

Quick Start Guides (*Access more OpenSciEd Curriculum Links here*)	6.1 Light & Matter	7.1 Chm Re & Matter	8.1 Contact Forces
	6.2 Thermal Energy	7.2 Chm Re & Energy	8.2 Sound Waves
	6.3 Weather	7.3 Metabolic React	8.3 Forces at a Dist
	6.4 Plate Tectonics	7.4 Matter Cycling	8.4 Space
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Vendors	OSE Certified Vendors	OpenSciEd

Quick Start Guides (*Access more OpenSciEd Curriculum Links here*)	6.1 Light & Matter	7.1 Chm Re & Matter	8.1 Contact Forces
	6.2 Thermal Energy	7.2 Chm Re & Energy	8.2 Sound Waves
	6.3 Weather	7.3 Metabolic React	8.3 Forces at a Dist
	6.4 Plate Tectonics	7.4 Matter Cycling	8.4 Space
	6.5 Natural Hazards	7.5 Ecosystem Dyn	8.5 Genetics
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Bolster Curriculum & Instruction

Embed OSE's key instructional elements (KIEs), emphasizing routines and discussions. Attend to shifts in teacher mindset necessary for sustainability. Provide teacher support & feedback, facilitating engagement outside your school for learning.

Categories *(Alphabetical Order)*	**Materials to Support**			**Source**
Agendas	Use Rolling Agendas to Structure More Meaningful Time Together			OSE Mass
Assessment	OEI PLC on Assessment and Grading			OEI (Boston College)
Corrections	OSE Instructional Materials Errata & Corrections List			OpenSciEd
Crosscutting Concepts	Crosscutting Concepts Alignment to OSE/MA Sequences			OSE Mass
Curriculum Materials/ Unit Google Folders **(VIEW ONLY)** (*Access more OpenSciEd Curriculum Links here*)	6.1 Light & Matter	7.1 Chm Re & Matter	8.1 Contact Forces	OpenSciEd
	6.2 Thermal Energy	7.2 Chm Re & Energy	8.2 Sound Waves	
	6.3 Weather	7.3 Metabolic React	8.3 Forces at a Dist	
	6.4 Plate Tectonics	7.4 Matter Cycling	8.4 Space	
	6.5 Natural Hazards	7.5 Ecosystem Dyn	8.5 Genetics	
	6.6 Cells & Systems	7.6 Earth's Resources	8.6 Natural Selection	
Curriculum Materials/ Unit Google Folders **(MAKE A COPY/ DOWNLOAD)** (*Access more OpenSciEd Curriculum Links here*)	6.1 Light & Matter	7.1 Chm Re & Matter	8.1 Contact Forces	OpenSciEd
	6.2 Thermal Energy	7.2 Chm Re & Energy	8.2 Sound Waves	
	6.3 Weather	7.3 Metabolic React	8.3 Forces at a Dist	
	6.4 Plate Tectonics	7.4 Matter Cycling	8.4 Space	
	6.5 Natural Hazards	7.5 Ecosystem Dyn	8.5 Genetics	
	6.6 Cells & Systems	7.6 Earth's Resources	8.6 Natural Selection	
Discourse/Discussions	Communicating in Scientific Ways			OpenSciEd
	Discussion Mapping Tool			OpenSciEd
	Discussion Planning Back to School Webinar - Fall 2024			OSE Mass
	Discussion Planning Tool, OpenSciEd Version			OpenSciEd

Quick Start Guides (*Access more OpenSciEd Curriculum Links here*)	6.1 Light & Matter	7.1 Chm Re & Matter	8.1 Contact Forces
	6.2 Thermal Energy	7.2 Chm Re & Energy	8.2 Sound Waves
	6.3 Weather	7.3 Metabolic React	8.3 Forces at a Dist
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	Discussion Planning Tool, OSE Mass Version	OSE Mass
	Discussion Rehearsals: Facilitator Guide	OpenSciEd
	Discussion Supports for Students • Icons with Discussion Supports	OpenSciEd
	Discussion Type Prompts	OpenSciEd
	OEI PLC on Equitable Discussions	OEI (Boston College)
	OpenSciEd 3 Discussion Types	OpenSciEd
	Productive Talk Goals and Moves	OpenSciEd
	Reference Guide: OpenSciEd Discussions	OSE Mass
	Supporting Goal Setting for More Equitable Talk	OEI (Boston College)
Driving Question Board	Digging Deeper into the Driving Question Board OSE Community Day - October 6, 2024	Gretchen Brinza
	Driving Question Board	OpenSciEd
	Making Driving Question Boards More Accessible for All Students	OSE Mass
Engagement	Student Engagement Continuum • Adapted from Berry Reimagining Student Engagement	Plymouth Public Schools
Grading	Approaches to Grading in the OpenSciEd Classroom	OpenSciEd
	Constructing Grading Criteria for Short Writing Assignments	OEI (Boston College)
	Constructing Grading Criteria for Student Science Notebooks	OEI (Boston College)
Handbook	OpenSciEd Teacher Handbook	OpenSciEd
Instructional Model	OpenSciEd Instructional Model Walk Through	OpenSciEd
Key Instructional Elements	OpenSciEd Key Instructional Elements	OpenSciEd
Lesson Planning	Lesson Planning Guide • Sample	OSE Mass
	Lesson Planning Back to School Webinar - Fall 2024	OSE Mass
	Lesson Visualization Tool	OSE Mass

Quick Start Guides (*Access more OpenSciEd Curriculum Links here*)	6.1 Light & Matter	7.1 Chm Re & Matter	8.1 Contact Forces
	6.2 Thermal Energy	7.2 Chm Re & Energy	8.2 Sound Waves
	6.3 Weather	7.3 Metabolic React	8.3 Forces at a Dist
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MCAS	Grades 5 and 8 Science and Technology/Engineering (STE) Assessment Transition Resource Page	MA DESE
	Local-Level Classroom STE Performance Assessment Tasks	MA DESE
	MA DESE STE Pilot Resource Center Sample Tasks	MA DESE
Multilingual Learners	How OpenSciEd Supports Multilingual Learning Webinar	OpenSciEd
	Multilingual Learners and OpenSciEd	OpenSciEd
	Strategies for Supporting Emerging Multilingual Learners' Sensemaking	OpenSciEd
	OEI PLC on Supporting Emerging Multilingual Learners	OEI (Boston College)
Navigation	Using Navigation to Support Student Sensemaking	OEI (Boston College)
Norms	OpenSciEd Classroom Norms	OpenSciEd
Notebooks	Science Notebooks: Turn students' piles of papers into their super power using science notebooks *(NSTA Presentation, Tonya Brainsky, OSM)*	OSE Mass
Observations/ Walkthroughs	Classroom Walkthrough Tool	OSE Mass
	Curriculum Agnostic Observation Tool	MA DESE
	OEI Looking for Bright Spots and Needs	OEI (Boston College)
	OEI Observation Tool v2.0	OEI (Boston College)
Pacing	OEI Recommendations for Pacing	OEI (Boston College)
Peer Observation	Peer Observation Protocol with Tool	OSE Mass
Phenomena	Quick Reference Guide: Phenomena in the Classroom	MA DESE
	OpenSciEd Phenomena Video Library	OpenSciEd
Professional Learning Materials	Cycles of Inquiry Organizer: Goal setting for growing your practice	OSE Mass
	Materials for Facilitator PL Curriculum Launch — Equitable Discussions Student Sensemaking — Universal Design	OpenSciEd

Quick Start Guides (*Access more OpenSciEd Curriculum Links here*)	6.1 Light & Matter	7.1 Chm Re & Matter	8.1 Contact Forces
	6.2 Thermal Energy	7.2 Chm Re & Energy	8.2 Sound Waves
	6.3 Weather	7.3 Metabolic React	8.3 Forces at a Dist
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	6.6 Cells & Systems	7.6 Earth's Resources	8.6 Natural Selection

	Making Thinking Visible Innovative Assessments	
	Materials for Teacher PL Curriculum Launch Equitable Discussions Student Sensemaking Universal Design Making Thinking Visible Innovative Assessments	OpenSciEd
	Materials for Teacher PL from OEI Round 1 Curriculum Launch Round 2 Empowering Sensemaking Round 3 Equitable Discussions Round 4 Universal Design for Learning Round 5 Assessment Round 6 Making Thinking Visible	OEI (Boston College)
	OEI Instructional Leadership PL Series Overview • Round 1: Launch • Round 2: Supporting Change • Round 3: Sustainability	OEI (Boston College)
	OSE Whole Group PL Summary	NSTA
Professional Learning Videos	OpenSciEd YouTube Account	OpenSciEd
	Exemplary Teaching Video Library	Philadelphia Public Schools
		OpenSciEd
Routines	OSE Mass Leader PL Series: Supporting & Strengthening OSE Routines in the Classroom • Case Study Examples • Problem of Practice 30-Minute Consultancy	OSE Mass
Scaffolding	OEI PL Session on Scaffolding	OEI (Boston College)

Quick Start Guides (*Access more OpenSciEd Curriculum Links here*)	6.1 Light & Matter	7.1 Chm Re & Matter	8.1 Contact Forces
	6.2 Thermal Energy	7.2 Chm Re & Energy	8.2 Sound Waves
	6.3 Weather	7.3 Metabolic React	8.3 Forces at a Dist
	6.4 Plate Tectonics	7.4 Matter Cycling	8.4 Space
	6.5 Natural Hazards	7.5 Ecosystem Dyn	8.5 Genetics
	6.6 Cells & Systems	7.6 Earth's Resources	8.6 Natural Selection

Science and Engineering Practices	Science and Engineering Practices Alignment to OSE/MA Sequences		OSE Mass
Sequence of Units	Choosing a Sequence | OSE and MA Sequences		OSE Mass
	OpenSciEd Middle School Program Scope and Sequence		OpenSciEd
	OSE Unit Sequence and MA Unit Sequence		OSE Mass
	MA OpenSciEd Scope and Sequence of Units Recommendation		MA DESE
Simulations	OpenSciEd Simulation Library		OpenSciEd
	OSE Mass Summary of Simulations		OSE Mass
Special Education	FAQs for Special Educators and Support Staff		Emily Laliberte & Jess Ternullo
Substitute Plans	OpenSciEd Substitute Plan Strategies		OpenSciEd
Standards Alignment (*Access more OpenSciEd Curriculum Links here*)	Massachusetts Curriculum Framework 2016 Science and Technology/Engineering		MA DESE
	OpenSciEd Massachusetts Standards Guidance		MA DESE
	6.1 Light & Matter	7.1 Chm Re & Matter	8.1 Contact Forces
	6.2 Thermal Energy	7.2 Chm Re & Energy	8.2 Sound Waves
	6.3 Weather	7.3 Metabolic React	8.3 Forces at a Dist
	6.4 Plate Tectonics	7.4 Matter Cycling	8.4 Space
	6.5 Natural Hazards	7.5 Ecosystem Dyn	8.5 Genetics
	6.6 Cells & Systems	7.6 Earth's Resources	8.6 Natural Selection
	MA OSE Learning Standards Alignment		OSE Mass
	OpenSciEd Standards Alignment (NGSS)		OpenSciEd
Storylines (*Access more OpenSciEd Curriculum Links here*)	6.1 Light & Matter	7.1 Chm Re & Matter	8.1 Contact Forces
	6.2 Thermal Energy	7.2 Chm Re & Energy	8.2 Sound Waves
	6.3 Weather	7.3 Metabolic React	8.3 Forces at a Dist
	6.4 Plate Tectonics	7.4 Matter Cycling	8.4 Space

Quick Start Guides (*Access more OpenSciEd Curriculum Links here*)	6.1 Light & Matter	7.1 Chm Re & Matter	8.1 Contact Forces	
	6.2 Thermal Energy	7.2 Chm Re & Energy	8.2 Sound Waves	
	6.3 Weather	7.3 Metabolic React	8.3 Forces at a Dist	
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	6.5 Natural Hazards	7.5 Ecosystem Dyn	8.5 Genetics	
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Student Absences	OpenSciEd Absent Student Support Strategies			OpenSciEd
Sustainability	OEI Implementation Continuum Tool			OEI (Boston College)
	OEI Model for Sustainable OSE Implementation			OEI (Boston College)
Teacher Editions (*Access more OpenSciEd Curriculum Links here*)	6.1 Light & Matter	7.1 Chm Re & Matter	8.1 Contact Forces	OpenSciEd
	6.2 Thermal Energy	7.2 Chm Re & Energy	8.2 Sound Waves	
	6.3 Weather	7.3 Metabolic React	8.3 Forces at a Dist	
	6.4 Plate Tectonics	7.4 Matter Cycling	8.4 Space	
	6.5 Natural Hazards	7.5 Ecosystem Dyn	8.5 Genetics	
	6.6 Cells & Systems	7.6 Earth's Resources	8.6 Natural Selection	
Teacher Turnover	Turnover Guidance			OEI (Boston College)
Teaching Tips	***OEI Lesson Breakdowns***			OEI (Boston College)
	6.1 Light & Matter	7.1 Chm Re & Matter	8.1 Contact Forces	
	6.2 Thermal Energy	7.2 Chm Re & Energy	8.2 Sound Waves	
	6.3 Weather	7.3 Metabolic React	8.3 Forces at a Dist	
	6.4 Plate Tectonics	7.4 Matter Cycling	8.4 Space	
	6.5 Natural Hazards	7.5 Ecosystem Dyn	8.5 Genetics	
	6.6 Cells & Systems	7.6 Earth's Resources	8.6 Natural Selection	
	OEI Tips & Tricks *(Not all units are included)*			OEI (Boston College)
	6.1 Light & Matter	7.1 Chm Re & Matter	8.1 Contact Forces	
	6.2 Thermal Energy	7.2 Chm Re & Energy	8.2 Sound Waves	
	6.3 Weather	7.3 Metabolic React	8.3 Forces at a Dist	
	6.4 Plate Tectonics	7.4 Matter Cycling	8.4 Space	
	6.5 Natural Hazards	7.5 Ecosystem Dyn	8.5 Genetics	

Quick Start Guides (*Access more OpenSciEd Curriculum Links here*)	6.1 Light & Matter	7.1 Chm Re & Matter	8.1 Contact Forces	
	6.2 Thermal Energy	7.2 Chm Re & Energy	8.2 Sound Waves	
	6.3 Weather	7.3 Metabolic React	8.3 Forces at a Dist	
	6.4 Plate Tectonics	7.4 Matter Cycling	8.4 Space	
	6.5 Natural Hazards	7.5 Ecosystem Dyn	8.5 Genetics	
	6.6 Cells & Systems	7.6 Earth's Resources	8.6 Natural Selection	

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	Quick Start Guides			
	6.1 Light & Matter	7.1 Chm Re & Matter	8.1 Contact Forces	
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Tools & Resources	OpenSciEd Teacher Tools & Resources			OpenSciEd
UDL (*Universal Design for Learning*)	How is Universal Design for Learning Used in OpenSciEd Unit Development?			OpenSciEd
	Universal Design Supports and Scaffolds to Remove Barriers and Supports All Students			OpenSciEd
Vocabulary	Where is the Word Wall?			OpenSciEd
	Why does OpenSciEd not pre-teach vocabulary words?			OpenSciEd
	Why you should stop pre-teaching science vocabulary and focus on students developing conceptual meaning first			STEM Teaching Tools
Webinars (*Access more OpenSciEd Curriculum Links here*)	6.1 Light & Matter	7.1 Chm Re & Matter	8.1 Contact Forces	
	6.2 Thermal Energy	7.2 Chm Re & Energy	8.2 Sound Waves	
	6.3 Weather	7.3 Metabolic React	8.3 Forces at a Dist	OpenSciEd
	6.4 Plate Tectonics	7.4 Matter Cycling	8.4 Space	
	6.5 Natural Hazards	7.5 Ecosystem Dyn	8.5 Genetics	
	6.6 Cells & Systems	7.6 Earth's Resources	8.6 Natural Selection	
Word Walls	Word Wall Guidance Across All Units • OSE Sequence • MA Sequence			OSE Mass
YouTube	OpenSciEd Account			OpenSciEd

Quick Start Guides (*Access more OpenSciEd Curriculum Links here*)	6.1 Light & Matter	7.1 Chm Re & Matter	8.1 Contact Forces
	6.2 Thermal Energy	7.2 Chm Re & Energy	8.2 Sound Waves
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Community Events

Materials from Community Days, Student Showcases, Grant Convenings, and more

Events *(Alphabetical Order)*	**Resources & Dates**	**Source**
Community Day	October 6, 2023 Community Day • OSE MA Marker Challenge	OSE Mass & One8
	April 9, 2024 Community Day	
	October 9, 2024 Community Day	
	March 4, 2025 Community Day	
Convening	2021-2022 • Convening #2 - February 8, 2022 • Convening #3 - May 24, 2022	OSE Mass & One8
	2022-2023 • Convening #1 - November 2, 2022 • Convening #2 - January 18, 2023 • Convening #3 - March 14, 2023 • Convening #4 - May 24, 2023	
	April 14, 2025 - Cohort 5	
Instructional PLC for Classroom Coaches and Leaders (2024-2025)	Community Day Launch - October, 9, 2024	OSE Mass
	Marlborough - November 7, 2024	
	Attleboro - January 14, 2025	
	Amherst - February 11, 2025	
	Norwood - March 4, 2025	