

Project Lead The Way Massachusetts School Grant Program Application - Part 1

Application Questions — Reference Copy

LEGEND

* Required

CONDITIONAL Appears only based on an earlier answer

This is an example PDF of the application for your planning purposes. Some questions may be conditional based on your program path. Please complete the final application using the online application.

SCHOOL INFORMATION

1) Please select your district and school.

District *

Response: Searchable list

School *

Response: Searchable list

2) Please provide the name and contact information of the primary grant contact.

First name *

Response: Short text

Last name *

Response: Short text

Which of the following best describes your role: *

Response: Dropdown

Title *

Response: Short text

Email address *

Response: Email

Phone number *

Response: Phone

3) Please provide enrollment information for your school.

Total school enrollment *

Response: Number

Number of students with low-income designation *

Response: Number

Percentage of students with low-income designation *

Response: Number

PROGRAM INFORMATION

How did you hear about the PLTW grant opportunity? *

Response: Dropdown

If you selected "other", please specify. * CONDITIONAL

Response: Short text

Program to be implemented (please select only one program) *

Response: Dropdown

Note: if applying for more than one program, you must submit a separate application for each program.

Are you applying for a grant to start a new program or to expand an existing program? *

Response: Dropdown

In what way(s) are you planning to expand the program next year? Please select all that apply. * CONDITIONAL

CONDITIONAL

Response: Select all that apply

- ☐ Add another course/module
- ☐ Add at least one additional section of an existing course
- ☐ Send at least one teacher to PLTW training
- ☐ Other

Please provide a description of those expansion plans (e.g. why your school plans to add that specific course, how many sections will be added to which course, how many teachers will be attending training for which course.) * CONDITIONAL

Response: Long text

Launch CONDITIONAL

For new Launch programs, we have developed two module sequences to support new schools' adoption of the program. These sequences are based on input from educators and take into account costs, standards alignment, and student experience. Schools may choose different modules, but we highly recommend one of the sequences below.

Sequence 1: MA PLTW STEM Path	Sequence 2: MA PLTW STEM + CS Path
K.1 - Structures and function	K.1 - Structures and function
K.2 - Pushes and pulls	K.4 - Animals and algorithms
1.1 - Light and sound	1.1 - Light and sound
1.4 - Animated storytelling	1.4 - Animated storytelling
2.1 - Properties of matter	2.1 - Properties of matter
2.4 - Grids and games	2.4 - Grids and games
3.2 - Stability and motion: forces & interactions	3.2 - Stability and motion: forces & interactions
3.4 - Programming patterns	3.4 - Programming patterns
4.4 - Input/output: human brain	4.3 - Input/output: computer systems
4.9 - Energy explorations	4.4 - Input/output: human brain
5.1 - Robotics and automation	5.4 - Infection: modeling and simulation
5.5 - Matter: properties and reactions	5.5 - Matter: properties and reactions

Which sequence do you plan to implement? *

Response: Dropdown

Which modules do you plan to offer? Please describe your selection process and rationale for creating your own sequence in place of the recommended paths. * CONDITIONAL

Response: Long text

Gateway CONDITIONAL

Which courses are you planning to implement over the three-year grant period? See the MLP/PLTW Course List for details and guidance on course selection. *

Response: Select all that apply

- ☐ App Creators
- ☐ Automation & Robotics
- ☐ CS for Innovators & Makers
- ☐ Design & Modeling
- ☐ Medical Detectives
- ☐ Other

If you selected Other, which PLTW courses are you planning to implement? Please note: these are not Massachusetts-supported courses. You can still choose to run these courses, but there are fewer local supports available for them. * CONDITIONAL

Response: Select all that apply

- ☐ Energy and the Environment
- ☐ Flight and Space
- ☐ Science of Technology
- ☐ Magic of Electrons
- ☐ Building for the Future

High School Biomedical Science CONDITIONAL

Which courses are you planning to implement over the three-year grant period? See the MLP/PLTW Course List for details and guidance on course selection. *

Response: Select all that apply

- ☐ Principles of Biomed
- ☐ Human Body Systems
- ☐ Medical Interventions
- ☐ Biomed Innovations
- ☐ PLTW Capstone

High School Computer Science CONDITIONAL

Which courses are you planning to implement over the three-year grant period? See the MLP/PLTW Course List for details and guidance on course selection. *

Response: Select all that apply

- ☐ CS Essentials
- ☐ Cybersecurity
- ☐ CS Principles
- ☐ CS A
- ☐ PLTW Capstone
- ☐ Other

If you selected Other, which PLTW courses are you planning to implement? Please note: these are not Massachusetts-supported courses. You can still choose to run these courses, but there are fewer local supports available for them. **CONDITIONAL**

Response: Select all that apply

- ☐ Principles of AI
- ☐ Computer Science Foundations

High School Engineering **CONDITIONAL**

Which courses are you planning to implement over the three-year grant period? See the MLP/PLTW Course List for details and guidance on course selection. *

Response: Select all that apply

- ☐ Intro to Engineering Design
- ☐ Principles of Engineering
- ☐ Civil Engineering & Architecture
- ☐ Computer Integrated Manufacturing
- ☐ PLTW Capstone
- ☐ Other

If you selected Other, which PLTW courses are you planning to implement? Please note: these are not Massachusetts-supported courses. You can still choose to run these courses, but there are fewer local supports available for them. * **CONDITIONAL**

Response: Select all that apply

- ☐ Advanced Manufacturing
- ☐ Digital Electronics
- ☐ Engineering Essentials
- ☐ Environmental Sustainability
- ☐ CS Principles

Course Selection

Please describe how you selected these courses to offer. * **CONDITIONAL**

Response: Long text

PLTW AT YOUR SCHOOL

Please share your vision for PLTW programs in your school, including student and teacher engagement, community involvement, and the overall impact you expect the programs to have. Please be specific. *

Response: Long text

Would your PLTW Launch modules be a part of core or specials blocks? * **CONDITIONAL**

Response: Dropdown

How many days a week would your PLTW Launch modules occur? * **CONDITIONAL**

Response: Dropdown

How many minutes per day would your PLTW Launch modules occur? * **CONDITIONAL**

Response: Number

How do you plan to integrate Launch into your core schedule? How much time, and how frequently, would be dedicated to PLTW modules? **CONDITIONAL**

Response: Long text

What schedule would your PLTW Gateway courses run on? * **CONDITIONAL**

Response: Dropdown

If other, what would your PLTW Gateway course schedule look like? * **CONDITIONAL**

Response: Long text

How many days a week would your PLTW Gateway course meet? * **CONDITIONAL**

Response: Dropdown

How many minutes per day would your PLTW Gateway courses meet? * **CONDITIONAL**

Response: Number

What schedule would your high school PLTW courses run on? * **CONDITIONAL**

Response: Dropdown

If other, what would your high school PLTW course schedule look like? * **CONDITIONAL**

Response: Long text

How many days a week would your high school PLTW courses meet? * **CONDITIONAL**

Response: Dropdown

How many minutes per day would your high school PLTW courses meet? * **CONDITIONAL**

Response: Number

Please share how your school has prepared for your PLTW programs. Select all that apply. *

Response: Select all that apply

- ☐ Reviewed high-level costs on the PLTW website (<https://www.pltw.org/plan-for-pltw/investment>)
- ☐ Consulted with IT staff regarding technology requirements
- ☐ Gathered input from administrators and/or teachers with previous PLTW experience
- ☐ Determined how to schedule PLTW during the school day
- ☐ Connected with another PLTW district or school
- ☐ Identified potential PLTW teacher(s)
- ☐ Attended a PLTW event or conference
- ☐ Engaged community and/or business stakeholders for support
- ☐ Connected with PLTW representative
- ☐ Connected with Mass Learning Project or One8 team
- ☐ Attended a school tour
- ☐ Implemented the sample lesson

Launch: Which grade(s) will be participating in PLTW programming? * **CONDITIONAL**

Response: Select all that apply

- ☐ Pre-K
- ☐ Kindergarten
- ☐ Grade 1
- ☐ Grade 2
- ☐ Grade 3
- ☐ Grade 4
- ☐ Grade 5

Gateway: Which grade(s) will be participating in PLTW programming? * **CONDITIONAL**

Response: Select all that apply

- ☐ Grade 6
- ☐ Grade 7
- ☐ Grade 8

High school: Which grade(s) will be participating in PLTW programming? * **CONDITIONAL**

Response: Select all that apply

- ☐ Grade 9
- ☐ Grade 10
- ☐ Grade 11
- ☐ Grade 12

Will all students be required to take at least one PLTW course at some point during their years enrolled at your school? *

Response: Select one

- ☐ Yes, all students at our school will be required to participate in at least one PLTW course while enrolled at our school.
- ☐ No, PLTW will be an optional offering for students

What percent of your students do you expect to participate in PLTW? * **CONDITIONAL**

Response: Number

Please describe your organization's plan to drive student enrollment in PLTW programs. * **CONDITIONAL**

Response: Long text

Please describe how you will engage traditionally underrepresented populations. * **CONDITIONAL**

Response: Long text

GROWING AND SUSTAINING YOUR PLTW PROGRAM

PLTW grants from the Mass Learning Project, funded by the One8 Foundation, are intended to help defray the costs associated with establishing or expanding PLTW programs in a way that can be sustained and grown over time. Grants funds will be disbursed over a three-year period.

How do you plan to financially support your PLTW program after the grant period ends? *

Response: Long text

Please feel free to include any additional information regarding your school or its plan for implementing PLTW programs including special initiatives, community partnerships, implementation plans, etc.

Response: Long text