

PLTW Launch 2015-16 Equipment and Supplies Price Sheet

updated 2/25/15



iPads and Computers

Students are required to have iPads at a ratio not to exceed 4 students per iPad. One additional iPad required for the teacher. iPads can be ordered directly from Apple at: <http://www.apple.com/education/ipad>
Each teacher must have a computer in addition to an iPad; students are not required to have computers.
[Click here for recommended specifications for the iPads and computers.](#)

iPad Apps (available free of charge via iTunes App Store)

[Click here for a list of apps needed on each iPad](#)

iPad to Projector Connectivity (see vendor options below)

Each teacher will need access to a projector, a screen to project on, and the ability to display an iPad on the projector. There are two options to connect the iPad to the projector - both of which must be ordered directly from vendors:

Option 1: "Reflector" software (can be used on a PC or MAC)

Vendor	Description	Price
Air Squirrels	Reflector (wireless connector)	\$ 12.99

Option 2: iPad VGA Adapter (ensure you purchase correct one for your model of iPad)

Vendor	Description	Price
Apple	Apple 30-pin to VGA Adapter	\$ 29.00
Apple	Lightning to VGA Adapter	\$ 49.00

eBooks (must be purchased directly through iTunes and Kindle App)

The below eBooks are available for download from the listed vendors at the shown pricing:
One copy of each eBook will be needed on the teacher's iPad only

Module	eBook title	Cost Per Download
K.2	Newton and Me (2010) by Lynne Mayer, iPad eBook	\$ 6.99
2.1	Snowmen All Year by Caralyn Buehner, iPad eBook download	\$ 6.99
2.1	The Mitten by Jan Brett, iPad eBook download	\$ 7.99
2.2	Who Will Plant a Tree? By Jerry Pallotta, Kindle eBook download	\$ 10.49
4.2	The Boy Who Harnessed the Wind: Picture Book Edition, by William Kamkwamba, Bryan Mealer, and Elizabeth Zunon, Kindle eBook download	\$ 10.99

General Equipment and Supplies Kits (available for order through PLTW)

Please note that delivery time is 3-4 weeks. All pricing includes processing and shipping

The following are kits for each module that support a classroom of up to 30 students.
Full kits include all general supplies including durable and consumable goods; refill kits contain consumable items only.
Kits **do not** include Launch Logs; they can be ordered separately as listed below.

Classroom Kits for Initial 12 modules (Currently Available for Order):

Instructions: Please enter the number of concurrent classes (taught during the same time within a single day) you plan to offer of each module for the "Full Kits". "Refill kits" can be ordered for additional non-concurrent offerings of a module with the durables being shared.

Kit	Description	Price	# Classes	Qty to Order	Total Cost
220-3700	K.1 Structure and Function: Exploring Design - Full Kit (includes Durable Kit 220-4114 and Refill Kit 220-3730)	\$ 260.00	4	4	\$ 1,040.00
220-3730	K.1 Structure and Function: Exploring Design - Refill/Consumable kit	\$ 135.00		0	\$ -
220-3701	K.2 Pushes and Pulls - Full Kit (includes Durable Kit 220-4115 and Refill Kit 220-3731)	\$ 160.00		0	\$ -
220-3731	K.2 Pushes and Pulls - Refill/consumable kit	\$ 45.00		0	\$ -
220-3702	1.1 Light and Sound - Full Kit (includes Durable Kit 220-4116 and Refill Kit 220-3732)	\$ 230.00		0	\$ -
220-3732	1.1 Light and Sound - Refill/consumable kit	\$ 45.00		0	\$ -
220-3703	1.2 Light: Observing Sun, Moon, and Stars - Full Kit (includes Durable Kit 220-4117 and Refill Kit 220-3733)	\$ 185.00		0	\$ -
220-3733	1.2 Light: Observing Sun, Moon, and Stars - Refill/consumable kit	\$ 185.00	6	6	\$ 1,110.00
220-3704	2.1 Materials Science: Properties of Matter - Full Kit (includes Durable Kit 220-4118 and Refill Kit 220-3734)	\$ 180.00		0	\$ -
220-3734	2.1 Materials Science: Properties of Matter - Refill/consumable kit	\$ 50.00		0	\$ -
220-3705	2.2 Materials Science: Form and Function - Full Kit (includes Durable Kit 220-4119 and Refill Kit 220-3735)	\$ 265.00	4	4	\$ 1,060.00
220-3735	2.2 Materials Science: Form and Function - Refill/consumable kit	\$ 155.00		0	\$ -
220-3706	3.1 Stability and Motion: Science of Flight - Full Kit (includes Durable Kit 220-4120 and Refill Kit 220-3736)	\$ 220.00	4	4	\$ 880.00
220-3736	3.1 Stability and Motion: Science of Flight - Refill/consumable kit	\$ 95.00		0	\$ -
220-3707	3.2 Stability and Motion: Forces and Interaction - Full Kit (includes Durable Kit 220-4121 and Refill Kit 220-3737)	\$ 125.00	4	4	\$ 500.00
220-3737	3.2 Stability and Motion: Forces and Interaction - Refill/consumable kit	\$ 7.50		0	\$ -
220-3708	4.1 Energy: Collisions - Full Kit (includes Durable Kit 220-3994 and Refill Kit 220-3738)	\$ 150.00	4	4	\$ 600.00
220-3738	4.1 Energy: Collisions - Refill/consumable kit	\$ 60.00		0	\$ -
220-3739	4.2 Energy: Conversion - Refill/consumable kit*	\$ 110.00	4	4	\$ 440.00
Subtotal:					\$ 5,630.00

*NOTE: All items in the 4.2 module are consumable and thus there only is a Refill Kit

Classroom Kits for New 12 modules (Available for order beginning May 2015):

Kit	Description	Price**	Qty to Order	Total Cost
TBD	K.3 Structure and Function: Human Body - Full Kit (includes Durable Kit and Refill Kit)	\$ 380.00	4	\$ 1,520.00
TBD	K.3 Structure and Function: Human Body - Refill/Consumable kit	\$ 135.00	0	\$ -
TBD	K.4 Animals and Algorithms - Full Kit (includes Durable Kit and Refill Kit)	\$ 150.00	0	\$ -

TBD	K.4 Animals and Algorithms - Refill/consumable kit	\$ -		0	\$ -
TBD	1.3 Animal Adaptations - Full Kit (includes Durable Kit and Refill Kit)	\$ 265.00	6	6	\$ 1,590.00
TBD	1.3 Animal Adaptations - Refill/Consumable kit	\$ 170.00		0	\$ -
TBD	1.4 Animated Storytelling - Full Kit (includes Durable Kit and Refill Kit)	\$ 150.00		0	\$ -
TBD	1.4 Animated Storytelling - Refill/Consumable kit	\$ -		0	\$ -
TBD	2.3 The Changing Earth - Full Kit (includes Durable Kit and Refill Kit)	\$ 295.00	4	4	\$ 1,180.00
TBD	2.3 The Changing Earth - Refill/Consumable kit	\$ -		0	\$ -
TBD	2.4 Grids and Games - Full Kit (includes Durable Kit and Refill Kit)	\$ 235.00		0	\$ -
TBD	2.4 Grids and Games - Refill/Consumable kit	\$ -		0	\$ -
TBD	3.3 Variation of Traits - Full Kit (includes Durable Kit and Refill Kit)	\$ 340.00		0	\$ -
TBD	3.3 Variation of Traits - Refill/Consumable kit	\$ 100.00		0	\$ -
TBD	3.4 Programming Patterns - Full Kit (includes Durable Kit and Refill Kit)	\$ 250.00		0	\$ -
TBD	3.4 Programming Patterns - Refill/Consumable Kit	\$ -		0	\$ -
TBD	4.3 Input/Output: Computer Systems - Full Kit (includes Durable Kit and Refill Kit)	\$ -		0	\$ -
TBD	4.3 Input/Output: Computer Systems - Refill/Consumable kit	\$ -		0	\$ -
TBD	4.4 Input/Output: Human Brain - Full Kit (includes Durable Kit and Refill Kit)	\$ 190.00		0	\$ -
TBD	4.4 Input/Output: Human Brain - Refill/Consumable kit	\$ 155.00		0	\$ -
TBD	5.3 Infection: Detection - Full Kit (includes Durable Kit and Refill Kit)	\$ 130.00	4	4	\$ 520.00
TBD	5.3 Infection: Detection - Refill/Consumable kit	\$ 65.00		0	\$ -
TBD	5.4 Infection: Modeling and Simulation - Full Kit (includes Durable Kit and Refill Kit)			0	\$ -
TBD	5.4 Infection: Modeling and Simulation - Refill/Consumable kit			0	\$ -

N/A = There is either no refill kit (example 1.4) or no kit at all (example 4.3) needed for this module. **Subtotal: \$ 4,810.00**
****NOTE: Pricing is for budgeting purposes only. Actual pricing to be released in late April 2015.**

PLTW Launch Logs 5-Packs for Existing 12 Modules (Currently available for order):

Custom, module-specific workbooks to be utilized per student. Launch Logs are not included in classroom kits and must be ordered separately.

Item	Description	Price*		Qty to Order	Total Cost
220-3983	K.3 Structure and Function: Exploring Design - pack of 5 Launch Logs	\$ 10.00	100	20	\$ 200.00
220-3984	K.2 Structure and Function: Pushes and Pulls - pack of 5 Launch Logs	\$ 10.00		0	\$ -
220-3985	1.1 Light and Sound - pack of 5 Launch Logs	\$ 10.00		0	\$ -
220-3986	1.2 Light: Observing Sun, Moon, and Stars - pack of 5 Launch Logs	\$ 10.00	140	28	\$ 280.00
220-3987	2.1 Materials Science: Properties of Matter - pack of 5 Launch Logs	\$ 10.00		0	\$ -
220-3988	2.2 Materials Science: Form and Function - 1 pack of 5 Launch Logs	\$ 10.00	120	24	\$ 240.00
220-3989	All 3rd - 5th Grade Modules (3.1 through 5.4) - pack of 5 Launch Logs	\$ 10.00	480	96	\$ 960.00

Subtotal: \$ 1,680.00

PLTW Launch Logs 5-Packs for New 12 Modules (Available for order beginning May 2015):

Custom, module-specific workbooks to be utilized per student. Launch Logs are not included in classroom kits and must be ordered separately.

Item	Description	Price*		Qty to Order	Total Cost
TBD	K.3 Structure and Function: Human Body - 5 pack Launch Logs	\$ 10.00	100	20	\$ 200.00
TBD	K.4 Animals and Algorithms - 5 pack Launch Logs	\$ 10.00		0	\$ -
TBD	1.3 Animal Adaptations - 5 pack Launch Logs	\$ 10.00	140	28	\$ 280.00
TBD	1.4 Animated Storytelling - 5 pack Launch Logs	\$ 10.00		0	\$ -
TBD	2.3 The Changing Earth - 5 pack Launch Logs	\$ 10.00	120	24	\$ 240.00
TBD	2.4 Grids and Games - 5 pack Launch Logs	\$ 10.00		0	\$ -
TBD	Modules 3-5 Launch Logs	\$ 10.00	220	44	\$ 440.00

Subtotal: \$ 1,160.00

VEX IQ Kits and Equipment (available for order through PLTW)

There are two different VEX IQ kits used throughout multiple modules in the Launch program. The kits are suggested at a student to kit ratio of 2:1, not to exceed 4:1.

Example: 26 students would require no less than 7 kits

Item	Description	Price*		Qty to Order	Total Cost
228-3303	PLTW VEX IQ Construction Kit (used in 3.2, 4.1, and 4.2)	\$ 120.00	120	30	\$ 3,600.00
228-3304	PLTW VEX IQ Robot Design Kit (used in 5.1 and 5.2)	\$ 365.00		0	\$ -

Subtotal: \$ 3,600.00

For schools implementing Module 5.2, the following items are required - one per concurrent section

Item	Description	Price*		Qty to Order	Total Cost
228-3325	VEX IQ 3 in Cube Kit (used in 5.2 only)	\$ 39.00		0	\$ -
228-2550	VEX IQ Full Competition Field (used in 5.2 only)	\$ 219.00		0	\$ -

Subtotal: \$ -

Grand total: \$ 16,880.00

Seed Teacher Training

Training	600
Dining	300
Hotel	800
Travel	500
PLTW Membership	750
Sub Total	2950
1st Year Grand Total	\$ 19,830.00