

Below is a list of additional items necessary for the PLTW Launch program.
 These readily available classroom or household items were omitted from Launch kits to help control costs and prevent excess/waste.

Item	Module(s) Used	Qty Per 30 Students
Pencils, standard #2	All modules	30
Cellophane tape	All modules	1 roll
Markers, crayons, or colored pencils (red, orange, yellow, green, blue, purple), one of each color per student	All modules	30 sets
Scissors, safety	K.1, 1.2, 1.3, 3.3	30
Coins or other small items to add weight to the hollow plastic eggs	K.1	30
Chart paper (can be readily printed for free online)	K.1, K.2, 1.3	5 sheets
Glue, traditional liquid white classroom	K.1, K.3, 1.3, 2.1, 3.3	1 bottle
Various items used to create a paint brush that might include: styrofoam packing peanuts, yarn, and/or floss	K.1	Varies
Various objects for students to use to test pushes and pulls. Ideas include - Books of various weights and sizes (dictionary, small story book) - Boxes (one empty box and one box filled with objects) - Ramp (Option: Use a board or other sturdy flat surface. If your school purchased a ramp for the Energy Collisions module, this ramp would work well.)	K.2	
Water	K.3, 2.3	Varies
Dry-erase markers	K.4, 3.3	10
Dry-erase erasers (or tissues)	K.4, 3.3	10
Masking tape, roll	1.1, 4.1, 5.2	1
Small reward stickers (optional)	1.1	30
White paper as a backdrop or white blank wall (a white non-reflective surface)	1.1	6 sheets
(Optional) Dime or similar diameter circle	1.2	1
(Optional) Drinking straws	1.2	30
(Optional) Clay	1.2	1/4 pound
Optional materials for testing UV Beads: Hair dryer, Lamp (classroom lamp, shop light)	1.2	1 of each item
Suggested materials for playground construction: Poster board, construction paper, or butcher paper for playground surface Modeling clay Other materials determined by teacher	1.2	Varies
Permanent marker	2.1, 2.2	1
Leaves (either collected by students or teacher) from deciduous tree (not pines)	2.1	1 per 2-3 students
Ice and small 4-8 quart cooler to store	2.1, 2.3	1
Optional: Container with room temperature water	2.1	15
Variety of common materials to create container that may include: - Cloth such as old jeans, shirts, jackets, and socks - Plastic such as bubble wrap, plastic wrap, and sandwich bags - Foam such as packing peanuts or disposable coffee cups - Metal such as aluminum foil - Other items such as pipe cleaners, paper, or cardboard	2.1	Varies
Flour, powdered sugar, or other fine classroom safe powder	2.2	1/4 cup
Paper plates, 1 per pair (optional)	2.2	15
Napkins or paper towels	2.1, 2.2	15
Disposable bowls or other small containers partially filled water	2.2	6
Items to represent seeds such as excess lima beans, dried beans, or any variety of seeds	2.2	Varies
Plastic spoons or small plastic shovels	2.3	10
2" x 2" self-stick notes	2.4, 3.4	1 pad
Empty box	3.1	1 per group
Variety of objects to place in the box to increase mass	3.1	Varies
Rulers (12 inches with English and Metric measurements)	3.1, 4.1, 4.4, 5.2, 5.3	15
Eggs, dozen, as found at the grocery store	4.1	2
Aluminum can, clean	4.2	30
Hammer	4.2	1
Needle nose pliers	4.2	1
Hot Glue gun and glue sticks (optional to be used by adults/teachers assisting)	K.1, 2.1, 4.4	1
Variety of items for touch bags such as candy in wrappers, jacks, toy cars, toy trucks, or clay	4.4	Varies
Materials to create the problem site such as masking tape, butcher paper, poster board, or construction paper	5.1	Varies
Red and blue construction paper	5.4	2 pieces of each color