

AgXplore Course Materials for Virtual PD – PD Box

These items are included in the Participant PD Box shipped after registration.

Week	APP	Qty/ Teacher	Unit	Item Specifications	Vendor
All	All	1	Each	AgX Participant Binder	Great Value Copy
		1	Each	Strategies for Great Teaching	Amazon
Week 1	1.2	1	Set	Seed packet, cucumber, 5 varieties	Amazon
		1	Set	Seed packet, lettuce, 5 varieties	Amazon
		1	Set	Seed packet, radish, 5 varieties	Amazon
	2.2	20	Each	Coffee filter	Amazon
		50	Each	Cup, graduated, 30ml	Amazon
		20	Each	Dissecting forceps (plastic tweezers)	Amazon
		20	Each	Dropper	Amazon
		2	Bottle	Hydrogen peroxide, 16 oz	Lab-Aids
		20	Each	Magnifiers, small	Amazon
Week 2	3.1	2	Each	Clothespin	Amazon
		2	Each	Cup, graduated, 30ml	Amazon
		1	Each	Electronic balance	Amazon
		0.5	Yard	Fabric pack in zip-lock bag <ul style="list-style-type: none"> • Cotton fabric • Hemp fabric (use jute) • Leather or suede fabric • Linen fabric • Silk fabric • Wool fabric 	Amazon
		1	Each	Go Direct® temperature sensor	Vernier
		1	Sheet	Sandpaper, 80-grit	Amazon
		3.2	1	Bottle	Corn or soybean oil in dropper bottle
	1		Bag	Corn starch, bag	Amazon
	1		Each	Cup, graduated, 30ml	Amazon
	-		Each	Plastic container with cover, 280ml (use 2 weigh boats)	Amazon
	3.5	15	Each	Coffee filter	Amazon
		1	Each	Electronic balance	Amazon
		1	Packet	Nitrate and Nitrite test strips, WaterWorks™ (Part Number 480009)	Amazon
		3	Each	Pot, 4" standard	Amazon
		40	Gram	Slow-release fertilizer (20%N)	Amazon
		40	Gram	Soluble fertilizer (20%N)	Amazon
		1	Each	Weigh dish, 140mm x 22mm	Amazon
Week 3	4.4	1	Each	Coffee filter	Amazon
		1	Each	Funnel, small	Amazon
		1	Each	Graduated cylinder, 100ml	Amazon
		1	Bottle	Nitrate and Nitrite test strip, WaterWorks™ (Part Number 480009)	Amazon

Week	APP	Qty/ Teacher	Unit	Item Specifications	Vendor
		1	Bag	Polluted water sample, in bag • Soil • Glitter • Soluble fertilizer	Amazon
		1	Bag	Recyclable materials, Sample bag • Coffee filters • Cotton balls • Sponges • Pony beads • Steel wool	Amazon
	5.1	1	Each	IR Thermometer	Amazon
	5.4	1	Bag	Corn, ground (more than a pinch)	Local
		2	Each	Cup, graduated, 30ml	Amazon
		1	Bag	DDG sample (more than a pinch)	Local
		1	Each	Dropper	Amazon
		1	Each	Lugol's solution	Lab-Aids
	Week 4	6.4	1	Roll	Electrical tape
1			Each	Rope, 1/2" wax covered, nylon twisted, 10' lengths	Amazon
7.1		1	Each	Cup, graduated, 30ml	Amazon
		1	Each	Electronic balance	Amazon
		1	Each	Hairnet	Amazon
		1	Bag	Wheat sample, hard (.75 – 1 pound)	Amazon
		1	Bag	Wheat sample, soft (.75 – 1 pound)	Amazon

AgXplore Course Materials for Virtual PD – Local Synchronous

These materials are to be locally sourced prior to each corresponding week for use during synchronous time.

Week	APP	Qty/ Teacher	Unit	Item Specifications	Vendor
Week 1	1.2	1	Each	Calendar	Participant
	1.5	1	Set	Colored pencils	Participant
		1	Each	Garden planter with trellis (or other materials, such as a bucket, salt lick tub, etc)	Participant
		1	Each	Ruler, English	Participant
	2.2	10	Each	Beaker, 100ml	Participant
Week 2	3.1	1	Each	Device with timer	Participant
		1	Each	Graphical Analysis™ app	Participant
		1	Each	Ruler, metric	Participant
	3.2	1	Pair	Gloves, disposable	Participant
		1	Each	Hot pad or hot hand protector	Participant
		1	Each	Laboratory apron or coat	Participant
		1	Each	Microwave	Participant
		1	Pair	Safety glasses	Participant
		1	Each	Spoon, plastic	Participant
		-	-	Water source	Participant
	3.5	1	Each	Beaker, 250ml	Participant
		1	Each	Beaker, 600ml	Participant
		5	Each	Cup, 20 oz	Participant
		1	Each	Device with timer	Participant
		1	Pair	Gloves, disposable	Participant
		1	Roll	Masking tape	Participant
		1	Each	Permanent marker	Participant
		1	Pair	Safety glasses	Participant
		0.5	Bag	Sand, 0.5 ft ³	Participant
		5	Each	Spoon, plastic	Participant
	5	Each	Stirring rod, glass 8" (use plastic spoons)	Participant	
	1	Gallon	Water, distilled	Participant	
Week 3	4.4	1	Pair	Gloves, disposable	Participant
		1	Each	Paper plate	Participant
		2	Each	Plastic bottle, 16-20 oz (one for filter, one for making polluted water sample)	Participant
		1	Pair	Safety glasses	Participant
		1	Pair	Scissors	Participant
		1	Cup	Soil media from Activity 2.2	Participant
	5.4	1	Pair	Gloves, disposable	Participant
		1	Roll	Masking tape	Participant
		1	Each	Permanent marker	Participant
		1	Pair	Safety glasses	Participant
		2	Each	Spoon, plastic	Participant
	1	Gallon	Water, distilled	Participant	
Week 4	6.4	1	Set	Colored pencils	Participant
		1	Each	How to Tie a Halter	Participant Print

Week	APP	Qty/ Teacher	Unit	Item Specifications	Vendor
		1	Each	Toy stuffed animal, cow or horse (optional)	Participant
Week 4	7.1	2	Each	Bowl, 20 oz	Participant
		1	Each	Coffee grinder	Participant
		1	Each	Cup, 9 oz	Participant
		1	Each	Mesh strainer, 30-60 mesh	Participant
		2	Each	Paper plate, 8½ inch	Participant
		1	Each	Permanent marker	Participant
		1	Each	Plastic bag, one-gallon resealable	Participant
		5	Each	Plastic bag, one-quart resealable	Participant

AgXplore Course Materials for Virtual PD – Local Asynchronous

These materials are to be locally sourced prior to Week 1 for participant to use with a class size of 20 during asynchronous homework. Some materials for Activity 2.2 and 5.1 are provided in the PD Box.

Week	APP	Qty/ Teacher	Unit	Item Specifications	Vendor
Week 1	2.2	1	Bag	Field soil, 1-gallon	Participant
		20	Pair	Gloves, disposable	Participant
		20	Each	Laboratory apron or coat	Participant
		5	Each	Masking tape	Participant
		20	Each	Paper plate	Participant
		2	Roll	Paper towels	Participant
		10	Each	Permanent marker	Participant
		1	Bag	Potting soil, 1-gallon	Participant
		20	Pair	Safety glasses	Participant
		2	Each	Spoon, plastic	Participant
		10	Each	Stirring rod, glass 8"	Participant
		-	-	Water source	Participant
Week 2	1.4	20	Each	Calculator	Participant
		20	Each	Journey 2050 Student Account	Participant (Teacher Notes)
		1	Each	Journey 2050 Teacher Account	Participant (Teacher Notes)
Week 3	5.1	5	Each	Chocolate bar, large	Participant
		7	Each	Device with timer	Participant
		1	Box	Graham crackers	Participant
		20	Each	Marshmallows, large	Participant
		-	-	Materials for construction • Aluminum foil • Cardboard boxes • Tape	Participant
		1	Roll	Plastic wrap	Participant
		7	Each	Ruler, metric	Participant
		-	-	Tools for construction • Box cutter • Glue sticks • Hot glue gun • Scissors	Participant