

## AFNR Materials by Vendor

This list is sorted by CASE recommended vendor. Use this materials list to make a classroom inventory for ordering purposes.

### Miscellaneous Vendors

Need	Qty/ 20	Qty/ 30	Unit	Item Specifications	Vendor
	10	15	Each	Food and Farm Facts book, 2021	<a href="#">American Farm Bureau Federation</a>

### Lab-Aids

Need	Qty/ 20	Qty/ 30	Unit	Item Specifications	Vendor
	10	15	Each	A/B separation tray	Lab-Aids
	10	15	Each	Alcohol lamp, 60ml	Lab-Aids
	10	15	Each	Battery case	Lab-Aids
	1	2	Set	Blue figures, numbered, 1-10/set	Lab-Aids
	5	8	Bottle	Bromthymol blue with dropper	Lab-Aids
	5	8	Bottle	Cell Lysis Solution	Lab-Aids
	1	2	Pkg.	Cheesecloth squares	Lab-Aids
	2	3	Bottle	Clay, pure	Lab-Aids
	10	15	Each	Contaminant plume tray	Lab-Aids
	5	8	Bottle	DNA Precipitation Solution	Lab-Aids
	20	30	Each	DNA® Model Parts Set	Lab-Aids
	11	16	Each	Dropper, plastic	Lab-Aids
	10	15	Each	Electric motor/generator	Lab-Aids
	1	1	Bottle	Ethanol	Lab-Aids
	20	30	Each	Filter paper	Lab-Aids
	10	15	Bottle	Food coloring, 15ml drop controlled bottle, blue	Lab-Aids
	10	15	Each	Funnel, plastic	Lab-Aids
	42	62	Each	Graduated cup, 30ml	Lab-Aids
	5	8	Bottle	Groundwater Contaminant, 30ml dropper	Lab-Aids
	10	15	Each	HCl with dropper	Lab-Aids
	10	15	Each	Incandescent bulb #50 with base	Lab-Aids
	5	8	Each	Iodine dropper bottle with dropper	Lab-Aids
	1	1	Bottle	Kerosene	Lab-Aids
	10	15	Each	LED bulb	Lab-Aids
	5	8	Bottle	Lugol's solution	Lab-Aids
	10	15	Each	Magnifying glass	Lab-Aids
	6	10	Set	Mini Stream Tables including stream bed, catch basin, rainmaker, and stand	Lab-Aids
	10	15	Each	Number cube	Lab-Aids
	1	8	Quart	Pea gravel	Lab-Aids
	31	44	Each	Petri dish	Lab-Aids
	42	62	Each	Pipet, 3ml	Lab-Aids
	10	15	Each	Profile tube	Lab-Aids
	10	15	Each	Profile tube cap	Lab-Aids

	10	15	Each	Profile tube with hole	Lab-Aids
	1	1	Set	Provision Notecards	Lab-Aids
	1	2	Set	Red figures, numbered, 1-10/set	Lab-Aids
	2	2	Quart	Sand, coarse, pure	Lab-Aids
	2	2	Quart	Sand, fine, pure	Lab-Aids
	2	3	Bottle	Silt, pure	Lab-Aids
	10	15	Each	Sleeve, plastic	Lab-Aids
	10	15	Each	Sodium hydroxide (NaOH) with dropper	Lab-Aids
	2	3	Bottle	Stream sand, 400ml	Lab-Aids
	10	15	Each	Syringe, 20ml	Lab-Aids
	10	15	Each	Test tube, plastic	Lab-Aids
	10	15	Set	Water Cycle Station Cards	Lab-Aids
	10	15	Each	Watershed tray	Lab-Aids
	20	30	Each	Wire with alligator clips, black	Lab-Aids
	20	30	Each	Wire with alligator clips, red	Lab-Aids

## Local

Need	Qty/ 20	Qty/ 30	Unit	Item Specifications	Vendor
	1	1	Pkg.	Aluminum sulfate	Local
	1	1	Pkg.	Antacid	Local
	1	1	Each	Aroma samples, four of the following: cinnamon, almond, garlic, lemon, nutmeg, oregano, peppermint, or vanilla	Local
	1	1	Pkg.	Aspirin	Local
	8	8	Each	Baby food jar, empty	Local
	80	120	Each	Bag, sandwich size, sealable	Local
	1	1	Pkg.	Baking soda	Local
	10	15	Each	Battery, D-size	Local
	1	2	Each	Bean plants, medium-sized, dark-exposed	Local
	1	2	Each	Bean plants, medium-sized, light-exposed	Local
	200	300	Each	Bean seed	Local
	20	30	Each	Binder, three-inch, three-ring	Local
	20	30	Each	Blindfold	Local
	1	2	Each	Board, 12' 2x4, 3' length	Local
	7	10	Each	Bottle, plastic, 2L	Local
	5	8	Each	Bowl, small	Local
	4	4	Each	Breaded chicken patty, frozen	Local
	1	1	Each	Brick	Local
	4	6	Each	Bucket, one-gallon	Local
	1	1	Roll	Carpet tape, double sided	Local
	2	3	Lb	Cheese, four samples, .5 lb each • Cheddar • Colby • Swiss • Munster	Local (See Teacher Notes)
	10	15	Each	Children's storybook	Local
	1000	1500	Each	Clear plastic sleeve	Local
	20	30	Each	Clipboard	Local
	15	20	Each	Clod of soil containing high amounts of visible organic matter	Local
	15	20	Each	Clod of soil containing low amounts of visible organic matter	Local

	1	1	Can	Cola	Local
	20	30	Set	Colored pencils, assorted	Local
	23	33	Each	Container	Local (See Teacher Notes)
	3	3	Each	Container, plastic, 1 quart or larger	Local
	10	15	Each	Container, plastic, shoe box size	Local
	-	-	-	Craft supplies • Animal figurines • Foam board, 20"x30" • Modeling clay	Local
	-	-	-	Craft supplies • Floral tape, green • Floral wire • Markers	Local
	1	2	Box	Craft supplies • Bag, sandwich size, sealable • Colored pencils • Glue stick • Markers • Paper, cardstock • Posterboard • Velcro sticky back coins	Local
				Craft supplies • Glue stick • Poster paper • Scissors • Colored pencils • Markers • Permanent marker	Local
	10	15	Each	Cup, insulated, 16 oz	Local
	70	105	Each	Cup, plastic, 16 oz	Local
	70	107	Each	Cup, plastic, 9 oz	Local
	70	105	Each	Cups, paper, 3 oz	Local
	1	2	Each	Desk	Local
	20	30	Each	Device with calculator	Local
	10	15	Each	Device with concept mapping software	Local
	10	15	Each	Digital multimeter (DMM)	Local
	-	-	-	Drinking water sources, assorted	Local
	2	3	Set	Dry erase marker	Local
	3	5	Each	Electric fan	Local
	1	1	Each	Emergency Response Card	Local
	1	1	Each	Emergency stop button	Local
	1	1	Each	Eye wash/shower station	Local
	16	16	Sample	Feedstuff with nutrition label	Local (See Teacher Notes)
	1	1	Set	FFA Official Dress	Local
	1	1	Each	Fire alarm	Local
	1	1	Each	Fire blanket	Local
	1	1	Each	Fire extinguisher	Local
	1	1	Each	First aid kit	Local
	1	1	Each	Flammable waste can	Local
	1	1	Each	Flower samples, four of the following: African violet, carnation, English ivy, golden pothos, jade plant, petunia, snake plant, snapdragon, spider plant (Optional)	Local

	1	1.5	Gallon	Garden soil	Local
	1	1	Gallon	Garden soil, 4 different samples	Local
	20	30	Pair	Gloves, leather	Local
	10	15	Each	Glue	Local
	20	30	Each	Glue stick	Local
	10	15	Each	GPS App	Local
	1	1.5	lb	Ground meat	Local (See Teacher Notes)
	2	3	Each	Hammer, claw	Local
	1	2	Each	Hand tools	Local (See Teacher Notes)
	20	30	Each	Highlighter	Local
	45	68	Cups	Ice	Local
	121	182	Each	Index card, lined	Local
	40	60	Each	Index cards	Local
	320	480	Each	Index cards, lined	Local
	4	5	Box	Jello®, large	Local
	20	30	Each	Job application	Local
	-	-	-	Lab supplies, assorted • Fertilizers, assorted • Light sources, assorted • Temperature control system • Water sources, assorted	Local (See Teacher Notes)
	1	2	Roll	Labratory tape	Local
	10	15	Each	Lamp with incandescent bulb and power source	Local
	10	15	Each	Lighter	Local
	10	15	Set	Markers	Local
	10	15	Set	Markers or color pencils	Local
	10	15	Roll	Masking tape	Local
	1	1	Each	Measuring cup, 1 cup	Local
	1	1	Each	Meat samples, four of the following: beef eye steak, beef t-bone, lamb loin chop, lamb rib chop, pork ham (whole), pork loin chop, pork rib chop, or smoked pork slab bacon (Optional)	Local
	1	2	Each	Microwave	Local
	1	1	Pint	Milk	Local
	20	30	Each	Mirror or video app	Local
	40	60	Each	Nail, 4d	Local
	1	1	Each	Onion	Local
	1	1	Pint	Orange juice	Local
	-	-	Each	Outfit and props	Local (See Teacher Notes)
	1	1	Each	Packing tape	Local
	220	330	Each	Paper clip	Local
	1	1	Pkg.	Paper plate, 100/pkg	Local
	10	15	Roll	Paper towels	Local
	25	40	Each	Paper, cardstock	Local
	10	15	Each	Paper, construction	Local
	7	10	Each	Paper, construction, black	Local
	40	60	Each	Paper, copier	Local
	80	120	Each	Paper, lined	Local
	20	30	Each	Pen, blue or black	Local

	40	60	Each	Penny	Local
	10	15	Each	Permanent marker	Local
	1	1	Pkg.	Plant leaves	Local
	100	150	Each	Plant seedling, radish	Local
	30	45	Each	Plastic bag, sandwich	Local
	5	5	Each	Plastic sealable bag, one-gallon	Local
	1	2	Box	Poker chips in three colors	Local (See Teacher Notes)
	2	3	Can	Polyurethane spray can	Local
	-	-	-	Popcorn (optional)	Local
	10	15	Each	Positioning marker	Local (See Teacher Notes)
	17	25	Each	Posterboard	Local
	-	-	-	Posterboard supplies, assorted • Markers • Scissors • Glue	Local (See Teacher Notes)
	5	5	Quart	Potting soil	Local
	1	1	Each	Power drill	Local
	-	-		Production supplies and equipment	Local (See Teacher Notes)
	20	30	Each	Project bill of materials	Local (See Teacher Notes)
	20	30	Each	Project blueprints	Local (See Teacher Notes)
	20	30	Each	Project materials	Local (See Teacher Notes)
	20	30	Each	Project plans	Local (See Teacher Notes)
	1	1	Each	Recordbook or record keeping software	Local
	5	8	Each	Rope, 25' foot section	Local
	20	30	Each	Ruler, metric and English	Local
	1	1	Pkg.	Saltine cracker	Local
	20	30	Pair	Scissors	Local
	20	30	Each	Screwdriver	Local
	1	1	Each	SDS Binder	Local
	1	1	Set	Seed samples, four of the following: alfalfa, corn, Kentucky bluegrass, oats, orchardgrass, red clover, red wheat, or soybeans (optional)	Local
	100	150	Each	Seedling, radish	Local
	160	240	Each	Self-adhesive index tab with level insert	Local
	1	1	Each	Sink	Local
	-	-		Sink with water	Local
	1	1	Bottle	Soap, dish	Local
	-	-		Soap, hand	Local
	-	-	-	Soil pit or horizon samples	Local
	20	30	Each	Soup can, empty	Local
	100	158	Each	Spoon, plastic	Local
	1	1	Each	Spray station • Cardboard • Newspaper • Ventilation	Local (See Teacher Notes)
	4	6	Each	Stapler	Local

	1	1	Pkg.	Strawberry, frozen	Local
	1	2	Gallon	Surface water	Local (See Teacher Notes)
	10	15	Each	Surveying flags, 3 colors	Local
	10	15	Each	Surveying flags, assorted colors	Local
	10	15	Each	Surveying flags, assorted colors	Local
	160	240	Each	Tab dividers with label insert	Local
	10	15	Each	Tape measure, English, 100 ft	Local
	10	15	Each	Tape measure, English, 25 ft	Local
	5	8	Each	Tape measure, metric, 8 meter	Local
	1	2	Each	Textbook	Local
	5	8	Roll	Tools • Hot glue gun with glue stick • Scissors • Side cutter	Local
	1	1	Box	Toothpick, 100/pkg	Local
	5	8	Each	Tri-fold display board	Local
	10	15	Each	Trowel	Local
	1	1	Each	U.S. Map, large, dry erase	Local*
	5	8	Each	Vegetable • Flower • Leaf • Root • Stem	Local (See Teacher Notes)
	-	-	-	Water, cold	Local
	10	16	Gallon	Water, distilled	Local
	1	2	Gallon	Water, pond	Local
	-	-	-	Water, tap, cold	Local
	-	-	-	Water, tap, hot	Local
	-	-	-	Water, warm	Local
	20	30	Each	Wooden block, 8 <sup>1</sup> / <sub>8</sub> " x 2" x 4" with a 45° cut	Local (See Teacher Notes)
	20	30	Each	Wool fabric, 2 in. squares	Local
	40	60	Each	Writing pens, 4 variety	Local

## The National FFA Organization

Need	Qty/ 20	Qty/ 30	Unit	Item Specifications	Vendor
	1	1	Set	SAE Ideas Cards	National FFA
	20	30	Each	FFA Student Handbook	National FFA

## Vernier

Need	Qty/ 20	Qty/ 30	Unit	Item Specifications	Vendor
	10	15	Each	CO <sub>2</sub> sensor or Go Direct® CO <sub>2</sub> sensor	Vernier
	10	15	Each	Conductivity sensor or Go Direct® conductivity sensor	Vernier
	10	15	Each	Dissolved oxygen sensor or Go Direct® dissolved oxygen sensor	Vernier

	10	15	Each	Flat pH sensor or Go Direct <sup>®</sup> flat pH sensor	Vernier
	10	15	Each	Graphical Analysis™ App (If using Go Direct™ sensors)	Vernier
	10	15	Each	LabQuest (Not needed if using Graphical Analysis™ app and Go Direct™ sensors)	Vernier
	1	1	Pkg.	pH buffer capsule	Vernier
	1	1	Bottle	pH storage solution	Vernier
	10	15	Each	Respiration chamber, 250ml	Vernier
	10	15	Each	Solar panel	Vernier
	10	15	Each	Temperature sensor or Go Direct <sup>®</sup> temperature sensor	Vernier
	10	15	Each	Turbidity sensor and cuvette or Turbidity sensor and cuvette and Go! Link <sup>®</sup>	Vernier

## Ward's

Need	Qty/ 20	Qty/ 30	Unit	Item Specifications	Vendor
	20	30	Each	Beaker, 100ml	Ward's
	27	37	Each	Beaker, 250ml	Ward's
	20	30	Each	Beaker, 50ml	Ward's
	20	30	Each	Beaker, 600ml	Ward's
	20	30	Each	Bottle with lid, translucent, 125ml	Ward's
	1	1	Each	Bottle, 1L	Ward's
	1	1	Each	Burette clamp	Ward's
	10	15	Each	Compound microscope	Ward's
	25	35	Each	Cotton swabs, sterile	Ward's
	20	30	Each	Coverslip	Ward's
	4	6	Each	Electronic balance	Ward's
	20	30	Each	Elodea sprig	Ward's
	10	15	Each	Forceps	Ward's
	311	465	Pair	Gloves, disposable	Ward's
	20	30	Each	Graduated cylinder, 100ml	Ward's
	10	15	Each	Hot hand protector	Ward's
	5	8	Each	Hot plate	Ward's
	1	1	Each	Incubator	Ward's
	2	3	Bottle	Isopropyl alcohol	Ward's
	20	30	Each	Lab apron or coat	Ward's
	1	1	Pkg.	Lens paper	Ward's
	20	30	Each	Microscope slide	Ward's
	1	1	Each	Microscope, compoud	Ward's
	25	35	Each	Nutrient agar solution	Ward's
	2	3	Roll	Parafilm™	Ward's
	20	30	Each	Pond snail	Ward's
	10	15	Each	Razor blade	Ward's
	10	15	Each	Ring stand	Ward's
	10	15	Each	Ring, 10cm	Ward's
	20	30	Each	Rinse bottle	Ward's
	14	20	Each	Rockwool cube	Ward's

	20	30	Each	Safety glasses	Ward's
	20	30	Pair	Safety goggles	Ward's
	10	15	Each	Sampling bottle with lid	Ward's
	20	30	Each	Single-hole stopper, size 6	Ward's
	10	15	Each	Slide, sample	Ward's
	20	30	Each	Stirring rod, glass	Ward's
	1	1	Each	Support ring	Ward's
	10	15	Each	Test tube rack	Ward's
	40	60	Each	Test tube, 25x150mm, screw top	Ward's
	7	10	Each	Thermometer	Ward's
	1	1	Roll	Thread	Ward's
	10	15	Each	Utility clamp	Ward's
	21	31	Each	Weighing dish, 8.5x8.5x2.4 cm	Ward's