

Environmental and Natural Resources Occupations

The following is a sample of purchases recommended and approved for an Environmental and Natural Resources Program which falls within the \$25,000 CTE Reserve Grant. Purchases are certainly not limited to the listed items but rather this is simply meant to serve as a guide for necessary items to start an Agricultural Education program with an Environmental and Natural Resources Management Pathway.

For a complete equipment list for the Environmental and Natural Resources Program go to www.SCAgEd.org

ITEM NO.	QUANTITY	ITEM	DESCRIPTION	ESTIMATED UNIT COST	ESTIMATED TOTAL COST
1	1	Soil Meter	For Moisture	\$110.00	\$110.00
2	1	Indicator	Wind Speed, accuracy 3% or 1/10 mile, range 0-99 MPH	\$128.00	\$128.00
3	1	Camera	Digital	\$1000.00	\$1000.00
4	1	Clinometer	200' at 66' baseline	\$125.00	\$125.00
5	1	Compass	With Staff	\$550.00	\$550.00
6	1	Planimeter	Digital, 14" measuring range, 1 digit =.01 square inch, AC/DC	\$660.00	\$660.00
7	1	Test	Water Pollution	\$425.00	\$425.00
8	1	Test	Air Pollution	\$550.00	\$550.00
9	5	Meter	Waterproof pH	\$66.00	\$330.00
10	1	Kit	Soil formation	\$74.00	\$74.00
11	1	Gauge	Electronic Rain	\$42.00	\$42.00
12	1	Station	Wireless Weather, windspeed, barometer, wind direction, rainfall, temperature	\$1000.00	\$1000.00
13	5	Indicator	Hygrometer	\$37.00	\$37.00
14	12	Apparatus	Dew Point	\$28.00	\$336.00
15	2	Thermometer	Fahrenheit and Celsius, indoor and outdoor	\$24.00	\$48.00
16	2	Altimeter/barometer	Range 15,000', accurate +/- 33'	\$220.00	\$440.00
17	1	Chain saw	16" bar	\$130.00	\$130.00

ITEM NO.	QUANTITY	ITEM	DESCRIPTION	ESTIMATED UNIT COST	ESTIMATED TOTAL COST
18	12	Biltmore Sticks		\$53.00	\$636.00
19	6	Dibble		\$40.00	\$240.00
20	12	Tree Caliper	Aluminum, 50" Diameter	\$190.00	\$2280.00
21	6	Increment Borer	16" min length, 5mm Diameter	\$153.00	\$918.00
22	2	Diameter Tape		\$72.00	\$144.00
23	4	Pruning Saws		\$25.00	\$100.00
25	1	Storage Cabinet	Safety (30 gallon capacity), not needed if flammable storage areas are provided	\$765.00	\$765.00
26	1	Kit	Eyewash station	\$325.00	\$325.00
27	5	Global Positioning System	GPS 4000XL Satellite Navigator	\$950.00	\$4750.00
28	1	Compass	Staff Compass with Staff	\$520.00	\$520.00
29	1	Stereoscope	Stereoscope	\$725.00	\$725.00
30	1	Rod	Rod leveling/Rod targets	\$137.00	\$137.00
31	1	Increment borer	12"	\$154.00	\$154.00
32	1	Level	Level	\$605.00	\$605.00
33	1	Level	Transit	\$750.00	\$605.00
34	10	Clinometer	With range finder	\$212.00	\$2120.00
35	1	Kit	Compass Instruction Kit, 20 compasses and instructions	\$155.00	\$155.00
36	1	Kit	Soil Sampling	\$74.00	\$74.00
37	5	Sampler	Soil Sampler with Heavy Duty Tip	\$41.00	\$205.00
38	20	Field Guides	Wildlife	\$20.00	\$400.00
39	20		Insects	\$20.00	\$400.00
40	20		Trees	\$20.00	\$400.00
41	2	Microscope	Binocular, 10x, 40x, 100x	\$760.00	\$1520.00
42	1	Measuring Wheel	Land, Heavy Duty, long distance	\$150.00	\$150.00

ITEM NO.	QUANTITY	ITEM	DESCRIPTION	ESTIMATED UNIT COST	ESTIMATED TOTAL COST
			Equipment should be of industrial quality		
Total Cost excluding State Sales Tax					\$24313.00