

**Flinn Scientific 2017 Purchase Guide**  
**CSTA NGSS Equipment List**  
**High School Physics**

CSTA Description	Flinn Description	Flinn Catalog #	CSTA Recommended Quantity per Lab Group	CSTA Recommended Quantity per classroom	Desired Quantity (Enter numerical value)	Flinn Price	Total
<b>Safety Equipment</b>							
Aprons	Apron, Rubberized, Medium Duty 27" wide x 36" (multiple sizes available)	<a href="#">Flinn2017</a>		Classroom Set		\$ 12.75	\$ -
Eye Wash Station	Eyewash, economy (multiple options available)	<a href="#">SE2514</a>		1		\$ 267.00	\$ -
Fire Blanket	Fire Blanket w/ Case	<a href="#">SE3006</a>		1		\$ 117.65	\$ -
Fire Extinguisher	Fire Extinguisher, Dry Chemical ABD 10 lb	<a href="#">SE3001</a>		1		\$ 119.60	\$ -
First Aid Kit	First Aid Kit for 25 People	<a href="#">SE240</a>		1		\$ 50.55	\$ -
Goggles	Flinn Visor Gogs	<a href="#">AP1362</a>	1/student			\$ 8.35	\$ -
Goggle Sanitizer	Goggle Sanitizer	<a href="#">SE1000</a>		1		\$ 577.45	\$ -
<b>Computer Assisted Learning</b>							
Television or Projector	N/A	N/A				N/A	
VGA Adapters	N/A	N/A				N/A	
<b>Equipment/Supplies</b>							
<b>Mechanics/Force Equipment</b>							
Accelerometer (alternate computer-based probeware/sensors may be used)	Accelerometer, Pocket (Multiple Options Available)	<a href="#">AP9224</a>	1			\$ 32.40	\$ -
Air track and accessories (air source, air table, track w/ spark timing system)	Airtrack	<a href="#">AP5615</a>		1		\$ 707.25	\$ -
Air track and accessories (air source, air table, track w/ spark timing system)	Air Sources with hose for Air Track	<a href="#">AP5617</a>		1		\$ 692.85	\$ -
Air track and accessories (air source, air table, track w/ spark timing system)	Spark Wire Kit for Air Track	<a href="#">AP5767</a>		1		\$ 35.60	\$ -
Air track and accessories (air source, air table, track w/ spark timing system)	Universal Spark Generator	<a href="#">AP5712</a>		1		\$ 703.00	\$ -
Archimedes Principle kit	Archimedes Principle Student Lab Kit	<a href="#">AP6380</a>		1		\$ 39.85	\$ -
Balance	Flinn Electronic Balance 300g x 0.1g	<a href="#">OB2138</a>	1			\$ 173.00	\$ -
Bicycle Wheel Gyroscope	Gyroscope Bicycle Wheel	<a href="#">AP4610</a>		1		\$ 116.75	\$ -
Boyles Law apparatus	Boyles Law apparatus	<a href="#">AP9223</a>	1			\$ 17.60	\$ -
Cart, halls (4 aluminum low friction wheels, total length 6")	Halls Carriage	<a href="#">AP9271</a>	1			\$ 27.65	\$ -
c-clamps	C-Clamp 3" (multiple Sizes available)	<a href="#">AP1247</a>		40		\$ 9.05	\$ -
Collision in two dimension kit (track, balls: 2-steel, 1-glass, 1-wood)	Collision in Two Dimensions	<a href="#">AP9165</a>	1			\$ 25.85	\$ -
Drawing Compasses	Pencil Compass	<a href="#">AP5356</a>		40		\$ 2.15	\$ -
Electronic timer / photogates (alternate computer-based probeware/sensors may be used)	Flinn Photogate Timer	<a href="#">AP6998</a>		1		\$ 316.70	\$ -
Force Table	Economy Force Table	<a href="#">AP4612</a>		1		\$ 139.90	\$ -

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Inclined plane set	Inclined Plane Classroom set	<a href="#">AP6685</a>	1			\$ 132.40	\$ -
Mass set (10g - 1000g)	Metric Weight Set 1g - 1000g	<a href="#">OB2109</a>	1			\$ 150.40	\$ -
Meter sticks	Meter stick, english/metric	<a href="#">AP8294</a>	2			\$ 3.95	\$ -
Momentum/collision apparatus	Momentum and Collisions	<a href="#">AP7399</a>	1			\$ 39.20	\$ -
Motion Sensor	Motion Detector 2	<a href="#">TC2321</a>	1			\$ 435.75	\$ -
Newton's Cradle "collision balls"	Newtonian Demonstrator	<a href="#">AP6913</a>		1		\$ 33.30	\$ -
Pendulum set	Psworks Pendulum	<a href="#">AP7000</a>	1			\$ 48.95	\$ -
Plumb bobs	Plumb Bobs	<a href="#">AP6413</a>	2			\$ 5.45	\$ -
Protractors	Protractor 180 degree	<a href="#">AP9286</a>		40		\$ 1.10	\$ -
Pulley apparatus	Pulley, Aluminum (Multiple Options Available)	<a href="#">AP7806</a>	2			\$ 4.50	\$ -
Ring stand clamps	Clamp Holder	<a href="#">AP8219</a>		20		\$ 18.05	\$ -
Ring stands (or other lab counter top support)	Support stand	<a href="#">AP4550</a>		20		\$ 12.15	\$ -
Rulers, 12-18" (with metric markings)	Ruler, English/Metric, Opaque 12"	<a href="#">AP4684</a>		20		\$ 1.03	\$ -
Spring scales (1 kg)	Push/Pull type spring scale 1kg	<a href="#">AP7339</a>	1			\$ 14.15	\$ -
Spring scales (500 g)	Push/Pull type spring scale 500g	<a href="#">AP7338</a>	1			\$ 14.15	\$ -
Spring scales (250 g) (alternate computer-based probeware/sensors may be used)	Push/Pull type spring scale 250g	<a href="#">AP7337</a>	1			\$ 14.15	\$ -
Stop watches (alternate computer-based probeware/sensors may be used)	Flinn Stopwatch	<a href="#">AP1572</a>	2			\$ 13.00	\$ -
Stroboscope (hand and/or electronic)	Stroboscope	<a href="#">AP5720</a>	1			\$ 677.55	\$ -
Weight set, hooked 7 weights 10g--1Kg in plastic holding block	Hook weight set (9 weights)	<a href="#">OB2118</a>	1			\$ 124.00	\$ -
<b><i>Mechanics/Thermodynamics Equipment</i></b>							
Ball and ring apparatus	Ball and ring apparatus	<a href="#">AP9031</a>		1		\$ 16.35	\$ -
Calorimeter	Calorimeter, electric	<a href="#">AP5347</a>	1			\$ 33.95	\$ -
Compound bar	Compound Bimetallic Strip	<a href="#">AP5650</a>	1			\$ 8.30	\$ -
Convection box	Convection Box	<a href="#">AP6028</a>		1		\$ 77.45	\$ -
Convection of liquids tube	Convection of Liquids Tub	<a href="#">AP6053</a>	1			\$ 32.95	\$ -
Heat transfer kit	heat transfer kit	<a href="#">AP4536</a>	1			\$ 24.20	\$ -
Metals set for density and specific heat labs	Metal Density Cube Set	<a href="#">AP6489</a>	1			\$ 24.55	\$ -
<b><i>Waves/Optics Equipment</i></b>							
Diffraction gratings and/or spectrosopes	Flinn C-Spectra 8x10 sheet	<a href="#">AP1714</a>	2			\$ 21.70	\$ -
Dishes, semicircular or "D" for refraction experiments (pkg/12)	Refraction Dish, Semicircle	<a href="#">AP6039</a>		3		\$ 3.20	\$ -
Laser, small pointer	Laser Pointer	<a href="#">AP8934</a>	1			\$ 23.15	\$ -
Lens set (concave, convex, biconcave, biconvex, prisms)	Acrylic Lens Set	<a href="#">AP6708</a>	1			\$ 18.60	\$ -
Mirrors, Concave	Mirror Concave, glass	<a href="#">AP4643</a>	1			\$ 4.05	\$ -
Mirrors, Convex	Mirror Convex, glass	<a href="#">AP5690</a>	1			\$ 5.20	\$ -

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Mirrors, flat	Acrylic Mirror 10x10	<a href="#">AP4641</a>	1			\$ 3.15	\$ -
Radiometer, Crookes	Radiometer	<a href="#">AP1948</a>		1		\$ 14.75	\$ -
Resonance tube set (open-ended tubes)	Open-Ended resonance tube set	<a href="#">AP4616</a>		1		\$ 21.05	\$ -
Resonance tubes (narrow plastic tubes work)	Boom Whackers	<a href="#">AP6985</a>	1			\$ 33.70	\$ -
Ripple tank and accessories (motor-driven rippler bar, vertical light support, shaped wooden barrier blocks, extra glass plate, parabolic reflector, white plastic viewing screen, high power light source, 2 adjustable hand strobe discs)	Ripple Tank	<a href="#">AP5705</a>	1			\$ 379.00	\$ -
Ripple tank and accessories (motor-driven rippler bar, vertical light support, shaped wooden barrier blocks, extra glass plate, parabolic reflector, white plastic viewing screen, high power light source, 2 adjustable hand strobe discs)	High Power Light Source	<a href="#">AP5707</a>	1			\$ 55.45	\$ -
Rotating platform	Rotational Turntable	<a href="#">AP4609</a>		1		\$ 53.80	\$ -
Spectrum tubes, assorted gases set	Air Spectrum Tube (Various Gases available)	<a href="#">AP1328</a>		1		\$ 41.00	\$ -
Spectrum tube power supply	Spectrum Tube Power Supply	<a href="#">AP1327</a>		1		\$ 214.00	\$ -
Strobe Light	Stroboscope, economy	<a href="#">AP7772</a>		1		\$ 25.50	\$ -
Super Slinky	Super Spring and Stand	<a href="#">AP6565</a>	2			\$ 43.80	\$ -
Thermometers (-20 o to 110 o C) (alternate computer-based probeware/sensors may be used)	Spirit-Filled Thermometer -20 to 110 C	<a href="#">AP1452</a>	2			\$ 5.65	\$ -
Tuning fork set (8 piece set w/ variety of frequencies) (alternate computer-based probeware/sensors may be used)	Tuning forks, 8 piece	<a href="#">AP9242</a>	1			\$ 86.55	\$ -
Tuning fork set, resonant	Adjustable tuning fork	<a href="#">AP5723</a>		1		\$ 24.95	\$ -
Video camera	N/A	N/A		1		N/A	
<b>Electricity and Magnetism Equipment</b>							
Ammeter, dual range 0-1amp and 0-5amp for student use	Ammeter	<a href="#">AP5669</a>	1			\$ 48.50	\$ -
Animal fur and rods for electrostatics demonstrations	Animal Fur	<a href="#">AP9204</a>		2		\$ 18.55	\$ -
Animal fur and rods for electrostatics demonstrations	Friction rods (Multiple options available)	<a href="#">AP9201</a>				\$ 4.05	\$ -
Bar magnets	Bar Magnet, steel	<a href="#">AP9262</a>	2			\$ 10.75	\$ -

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Circuit equipment (circuit board, switches, LEDs, capacitors, resistors, transistors, miniature lamps, lamp sockets, buzzers, rheostats, solenoids, batteries, battery holders, wires (black & red hook-up wire), alligator clips, insulators, potentiometers) 1	Snap Circuits	<a href="#">AP6531</a>	2			\$ 68.75	\$ -
Compass, magnetic	Compass, Magnetic, Liquid filled	<a href="#">AB1127</a>	1			\$ 11.25	\$ -
Coulomb's Law apparatus	Coulomb's Law apparatus	<a href="#">AP9227</a>	1			\$ 50.20	\$ -
Electroscope	Metal Electroscope	<a href="#">AP5640</a>		1		\$ 43.65	\$ -
Electrostatic lab	Investigating Electricity	<a href="#">AP7019</a>	2			\$ 147.05	\$ -
Electrodes (copper and zinc)	Metal Electrode Set	<a href="#">AP4602</a>	2 ea			\$ 9.15	\$ -
Faraday's Electromagnetic Induction apparatus	Faraday's Electromagnetic Induction apparatus	<a href="#">AP6758</a>		1		\$ 70.70	\$ -
Hand-held electric generator	Genecon Generator	<a href="#">AP6585</a>		1		\$ 68.65	\$ -
Miniature compasses for B field observations	Compass, Magnetic, small	<a href="#">AP5285</a>	4			\$ 1.02	\$ -
Multimeters, digital (or ammeters/voltmeters/galvanometers) (alternate computer-based probeware/ sensors may be used)	Student Multimeter	<a href="#">AP4639</a>	1			\$ 37.50	\$ -
Van de Graaff generator	Van de Graaff Generator	<a href="#">AP4699</a>		1		\$ 197.20	\$ -
Wimshurst generator	Wimshurst Static Machine	<a href="#">AP4738</a>		1		\$ 168.75	\$ -
Power supplies, variable output	Power Supply AC/DC	<a href="#">AP4418</a>	1			\$ 235.00	\$ -
Resistors	Resistor Set	<a href="#">AP7940</a>	2			\$ 32.25	\$ -
Wire and connector set Miscellaneous Equipment	Alligator Cords	<a href="#">AP6052</a>	2			\$ 9.75	\$ -
<b>Miscellaneous Equipment</b>							
Barometer, aneroid for classroom, inches, centimeters, & millibars	Barometer, Aneroid	<a href="#">AP1884</a>		1		\$ 117.80	\$ -
Clamp, right angle rod clamps, 9/16" one end 1/2" other, Cast iron 1/4" thumbscrew	Clamp, Suspension hook	<a href="#">AP4367</a>	2			\$ 14.35	\$ -
Vacuum hose, ID 3/8" (pkg/10 ft)	Vacuum Hosing 10'	<a href="#">AP8789</a>		1 roll		\$ 25.95	\$ -
Vacuum pump plate, acrylic fits 9" diameter, hose ID 3/8"	Vacuum Plate, Polycarbonate	<a href="#">AP1869</a>		1		\$ 111.65	\$ -
Vacuum pump, 85 liters/min, fits hose ID 3/8"	Pump, Vacuum, two- state	<a href="#">AP1597</a>		1		\$ 775.00	\$ -
						<b>TOTAL</b>	<b>\$ -</b>