

Engineer Your World - Engineering Design and Analysis FULL Kit 2023	Small Kit Quantity	Medium Kit Quantity	Large Kit Quantity
Rechargeable Piggy Flashlight	12	24	36
12"x18" Reversible Cutting mat	4	8	12
Mini Hot Melt Glue Gun	6	12	18
Dual Temp Mini Glue Sticks (Pack of 24)	1	2	3
Retractable Utility Knife	3	6	9
Assorted Hand Needles in Compact (Pack of 25)	1	1	1
Darkroom Safelight-Red	1	1	1
Developing Trays-Accommodates 5x7 inch Print size (Set of 4)	1	1	2
Bamboo Tongs Set of 3	1	1	2
9in x 11in. 600 Grit Ultra-Fine Sandpaper Sheets (5-pack)	1	1	1
No.2 Medium Precision Knife, 5"	3	6	9
8x10 Multi-grade IV RC Deluxe, Satin, Pearl, or Glossy (25 Sheets)	1	1	2
Multi-grade Developer	1	1	1
Rapid Fixer	1	1	1
Datatainer Solution Storage Containers, 64 oz (1/2 gal)	2	2	2
Digital Timer	1	1	2
13"Silicone Cloth Oven/Freezer Mitts-Pair	3	6	9
Digital AP-2 AquaProWater Quality Electrical Conductivity Tester, 0- 9999 μ S Range, 1 μ S Resolution, +/- 2% Readout Accuracy	2	4	6
C-clamps, 3"x 1.5", 3"x 2" OR 3" x 4.5" [(opening)" x (width)"]	4	8	12
1/16" sq balsa - 60 pieces	1	1	1
1/8" sq balsa -50 pieces	2	3	4
1/4" sq balsa - 25 pieces	2	4	6
Foam Boards, Foam core board-white -10 sheets of 20x30"	1	1	2
Carpenter square, 8"x12", steel	2	4	6
Level, 9" Torpedo	2	4	6
Binder clips - Medium, 1-1/4" - box of 144	1	1	1
Binder clips - small, 3/4" - box of 36	1	1	2
Washers - plain steel, for 0.5" screw, 9/16" ID, 1-3/8" OD, 5/64" or 0.8" thick - packs of 130	1	1	2
myQuake	2	4	6
Breadboard, 400 tie-in points	7	13	19
Jumpers Wires 6" M-F (100-pack)	1	1	1
HQRP Mini Digital Sound Level Meter Decibel Pressure Monitor	2	3	4
Screwdriver set, #0 to #1 Phillips and flat head	2	3	4
Switch TACT SPST-NO 0.025A 50V	7	13	19
Trimpot 10K with Knob	7	13	19
Arduino Uno	7	13	19
CBL USB A-B CON 3' 28/28 AWG	7	13	19
Jumper Wire Kit	2	4	6
Wire Strippers - 5"	2	4	6
Light Meter	2	3	4
Luggage Scale	2	3	4
Happy/Sad Balls	3	5	7
Drone Release	1	1	1
5-Inch Precision Needle Nose Pliers	2	4	6
Mini Camera 12mp 1080 Camera Recorder Detection	2	4	6
microSDHC Class Flash Memory Card	2	4	6
Piezo Buzzer 5V-Breadboard Friendly	7	13	19
LED-Basic Red 5mm	4	8	12

Resistor, 330 Ohm (pack of 20)	1	1	1
Arduino Compatible HC-SR04 Ultrasonic/Sonar Distance Sensor Module	2	4	6
Battery holder, 9V with barrel jack	4	6	8
9V Alkaline battery	4	6	8
Capacitor, 470 uF, through-hole	4	8	12
10K Ohm Resistor (Pack of 20)	1	1	1
Servomotor, 4.8-6V, 180 degrees	5	7	9
Jumpers, M-M, 6" (100-pack)	1	1	1
Chipboard, 60pt, 9x9", cardboard, 20 sheets	1	1	1
Carabiner / Spring snap	2	4	6
BMP 180 (4 pack)	1	2	2
Barrel Connectors	1	1	2
Motor Controller	2	4	6
Measure Loupe	1	1	1
Student Research Notebook	12	24	36