



410 Roy Drive
Ashville, Alabama 35953
(205) 594-7131

Mike Howard
SUPERINTENDENT

Scott Suttle
PRESIDENT

INVITATION TO BID #20/21-14BOE

September 28, 2020

The St. Clair County Board of Education invites you to bid on Vex 123, Vex Go, Vex IQ, or equivalent for the school system. Must meet and qualify for all State Competition requirements

Bidders are to contact Russ Stewart, Technology Director, at 205-594-2037 for questions regarding the bid.

The contract will *begin October 15, 2020 upon Board approval*. This contract is renewable for up to four additional years. Renewal will require signatures of both parties.

- The bid will be awarded to the lowest bidder meeting specifications. In the event the low bidder refuses to accept the entire requirements without deviation, the bid may be awarded to the next lowest bidder. The St. Clair County Board of Education maintains the right to terminate this agreement if the successful bidder breaches any material term or condition of this agreement and fails to cure such breach in a reasonable amount of time.
- The St. Clair County Board of Education reserves the right to reject any and/or all bids.
- All bids envelopes must be sealed and marked with the following in the lower left-hand corner **Bid #, Name of the Bid, opening time and date, and company name**. Late Bids will not be opened.
- Bids may be disqualified before the awarding of the contract for failure to mark envelope as required, failure to include requested information or other details of the bid, and excessive errors.
- Proposal shall be filled out in full.
- Bid Results will be posted at www.sccboe.org/district/departments/Facilities and Purchasing

Each bidder must include the following items with the bid:

- Bid Quote Page

The successful bidder must provide the following within two weeks of being awarded the bid:



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- E-Verify Memorandum of Understanding
- W-9
- Sign a contract with the conditions set forth in the bid.



BID QUOTE PAGE

Bid #20/21-08BOE
 System-Wide
 Classroom and
 Competition Robotics
 Kits
 Technology Bid

**Bid Opening Date: September 28, 2020 at 10:00
A.M.**

Location: St. Clair County Board of Education Annex
 175 College St
 Odenville, AL 35120

NAME OF COMPANY: _____

ADDRESS: _____

PHONE: _____ FAX: _____

Vex 123 Classroom Bundle or equivalent to include:

(6) Robots (Includes 2 red, 2 green & 2 blue)	
(6) Coders	
(7) Programming Cards (50-pack)	
(3) Fields (Includes 12 field tiles and 24 field walls)	
(1) Robot 6-Port USB Charge Case	
(1) Coder Storage Case	



(1) Tote Bag	
(1) Programming Cards Storage Box	
(6) Robot Arts & Crafts Attachments	
(12) AAA Batteries for 123 Coders	
(1) Screwdriver	
(1) Poster	
(1) 1-Port USB Charger (3A)	

Vex Go Classroom Bundle or equivalent to include:

(5) GO Kits with Storage	
(12) Field Walls	
(5) Extra Pin Tools	
(1) Carrying Bag for GO Kits	
(1) Field Carrying Bag	
(1) Spare Parts Bin (with extra Parts)	
(1) Charging Hub	
(1) Poster	

Vex IQ Classroom Bundle or equivalent to include:

(24) 1x3 Beam	
(72) 1x4 Beam	
(72) 1x6 Beam	
(96) 1x8 Beam	
(48) 1x12 Beam	
(48) 2x2 Beam	
(72) 2x4 Beam	
(72) 2x6 Beam	
(72) 2x8 Beam	
(48) 2x10 Beam	
(72) 2x12 Beam	
(48) 2x16 Beam	
(24) 2x20 Beam	
(48) 4x4 Plate	



(24) 4x12 Plate	
(48) 3x4 Tee Beam	
(48) 2x3 Right Angle Beam	
(48) 3x3 30 Degree Angle Beam	
(48) 3x3 45 Degree Angle Beam	
(48) 3x3 60 Degree Angle Beam	
(48) 3x5 Right Angle Beam	
(72) 4x4 Offset Right Angle Beam	
(24) Elastic Band Anchor Plate	
Connectors	
(2280) 1x1 Connector Pin	
(720) 1x2 Connector Pin	
(240) 2x2 Connector Pin	
(144) 0.5x Standoff	
(144) 1x Standoff	
(168) 2x Standoff	
(72) 4x Standoff	
(72) 6x Standoff	
(144) Mini Standoff Connector	
(96) End Standoff Connector	
(216) Small Chassis Corner Connector	
(120) Large Chassis Corner Connector	
(120) 2x Wide, 1x2 Corner Connector	
(144) 1x Wide, 1x1 Offset Corner Connector	
(48) 2x Wide, 2x1 Offset Corner Connector	
(48) 2x Wide, 2x1 Offset Connector	
(48) 2x Wide, 1x1 Offset Corner Connector	
(120) 2x Wide, 2x2 Corner Connector	
(96) 2x Wide, 1x2 Offset Corner Connector	
(48) 2x2 Lock Plate	
(48) 1x3 Center Lock Plate	
Pulleys & Belts	
(24) 10mm Pulley	
(24) 20mm Pulley	
(24) 30mm Pulley	
(24) 40mm Pulley	
(24) 30mm Rubber Belt	
(24) 40mm Rubber Belt	
(24) 50mm Rubber Belt	
(24) 60mm Rubber Belt	
(12) Rubber Band #64 (10 Pack)	
Shafts	
(72) 1x1 Idler Pin	
(72) 0x2 Idler Pin	



(24) 4x Pitch Shaft	
(48) 6x Pitch Shaft	
(24) 8x Pitch Shaft	
(24) 2x Pitch Plastic Shaft	
(24) 3x Pitch Plastic Shaft	
(24) 4x Pitch Plastic Shaft	
(24) 5x Pitch Plastic Shaft	
(24) 2x Pitch Plastic Motor Shaft	
(48) 3x Pitch Plastic Motor Shaft	
(24) 4x Pitch Plastic Motor Shaft	
(24) 2x Pitch Plastic Capped Shaft	
(48) 3x Pitch Plastic Capped Shaft	
(24) 4x Pitch Plastic Capped Shaft	
(24) 5x Pitch Plastic Capped Shaft	
(252) Washer	
(300) 0.5x Pitch Spacer	
(48) Shaft Bushing	
(360) Rubber Shaft Collar	
Gears	
(120) 12 Tooth Gear	
(120) 36 Tooth Gear	
(72) 60 Tooth Gear	
(24) 36 Tooth Crown Gear	
(48) Worm Bracket	
Wheels	
(48) Small Wheel Hub (44mm)	
(24) 100mm Travel Rubber Tire	
(48) 200mm Travel Rubber Tire	
Motors, Robot Control and Sensors	
(12) Robot Brain	
(12) VEX IQ Controller	
(24) Smart Radios	
(48) Smart Motor	
(12) Gyro Sensor	
(24) Bumper Switch	
(24) Touch LED	
(12) Distance Sensor	
(12) Color Sensor	
(24) Smart Cable Pack	
(12) USB Cable	
(12) Tether Cable	
Power	
(12) Robot Battery	



(12) VEX IQ Controller Battery	
(12) Robot Battery Charger	
(12) Battery Charger Power Cord	
Storage	
(12) Storage Bin and Tray	
Game Objects	
(2) Cube Kits	

Vex IQ Competition Super Kit or equivalent to include:

Structure	
(2) 1x3 Beam	
(6) 1x4 Beam	
(6) 1x6 Beam	
(8) 1x8 Beam	
(6) 1x10 Beam	
(4) 1x12 Beam	
(4) 2x2 Beam	
(6) 2x4 Beam	
(6) 2x6 Beam	
(6) 2x8 Beam	
(4) 2x10 Beam	
(6) 2x12 Beam	
(4) 2x16 Beam	
(2) 2x20 Beam	
(4) 4x4 Plate	
(2) 4x12 Plate	
(4) 3x4 Tee Beam	
(4) 2x3 Right Angle Beam	
(4) 3x3 30 Degree Angle Beam	
(4) 3x3 45 Degree Angle Beam	
(4) 3x3 60 Degree Angle Beam	
(4) 3x5 Right Angle Beam	
(4) 4x4 Right Angle Offset Beam	
(2) Elastic Band Anchor Plate	
Connectors	
(240) 1x1 Connector Pin	
(60) 1x2 Connector Pin	
(20) 2x2 Connector Pin	
(12) 0.5x Standoff	
(12) 1x Standoff	
(14) 2x Standoff	
(6) 4x Standoff	
(6) 6x Standoff	



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(12) Mini Standoff Connector	
(8) End Standoff Connector	
(10) Large Chassis Corner Connector	
(18) Small Chassis Corner Connector	
(10) 2x Wide, 1x2 Corner Connector	
(12) 1x Wide, 1x1 Offset Corner Connector	
(4) 2x Wide, 2x1 Offset Corner Connector	
(4) 2x Wide, 2x1 Corner Connector	
(4) 2x Wide, 1x1 Offset Corner Connector	
(10) 2x Wide, 2x2 Corner Connector	
(8) 2x Wide, 1x2 Offset Corner Connector	
(4) 2x2 Lock Plate	
(4) 1x3 Center Lock Plate	
(4) Worm Bracket	
Pulleys & Belts	
(2) 10mm Pulley	
(2) 20mm Pulley	
(2) 30mm Pulley	
(2) 40mm Pulley	
(2) 30mm Rubber Belt	
(2) 40mm Rubber Belt	
(2) 50mm Rubber Belt	
(2) 60mm Rubber Belt	
(10) Rubber Band #64	
Shafts	
(6) 1x1 Idler Pin	
(6) 0x2 Idler Pin	
(2) 4x Pitch Shaft	
(4) 6x Pitch Shaft	
(2) 8x Pitch Shaft	
(2) 2x Pitch Plastic Shaft	
(2) 3x Pitch Plastic Shaft	
(2) 4x Pitch Plastic Shaft	
(2) 5x Pitch Plastic Shaft	
(2) 2x Pitch Plastic Motor Shaft	
(4) 3x Pitch Plastic Motor Shaft	
(2) 4x Pitch Plastic Motor Shaft	
(2) 2x Pitch Plastic Capped Shaft	
(4) 3x Pitch Plastic Capped Shaft	
(2) 4x Pitch Plastic Capped Shaft	
(2) 5x Pitch Plastic Capped Shaft	
(20) Washer	
(25) 0.25x Pitch Spacer	
(4) Shaft Bushing	
(30) Rubber Shaft Collar	



Gears	
(10) 12 Tooth Gear	
(10) 36 Tooth Gear	
(6) 60 Tooth Gear	
(2) 36 Tooth Crown Gear	
Wheels	
(4) Small Wheel Hub (44mm)	
(2) 100mm Travel Rubber Tire	
(4) 200mm Travel Rubber Tire	
Motors, Robot Control and Sensors	
(1) Robot Brain	
(1) VEX IQ Controller	
(2) Smart Radios	
(4) Smart Motor	
(1) Gyro Sensor	
(2) Bumper Switch	
(2) Touch LED	
(1) Distance Sensor	
(1) Color Sensor	
(2) Smart Cable Pack	
(1) USB Cable	
(1) Tether Cable	
Power	
(1) Robot Battery NiMH 2000mAh	
(1) Controller Battery Li-Ion 800mAh	
(1) Robot Battery Charger	
(1) Battery Charger Power Cord	
Storage	
(1) Storage Bin and Tray	

Vex IQ Competition Add-On Kit or equivalent to include:

Chain & Sprocket Kit	
(200) Chain Link	
(8) 8 Tooth Sprocket	
(8) 16 Tooth Sprocket	
(4) 24 Tooth Sprocket	
(4) 32 Tooth Sprocket	
(4) 40 Tooth Sprocket	



Tank Tread & Intake Kit	
(200) Tread / Attachment Link	
(4) 24 Tooth Sprocket	
(40) Traction Link	
(20) Short Intake Flap	
(20) Medium Intake Flap	
(20) Long Intake Flap	
Wheel Add-On Kit	
(6) Small Wheel Hub	
(4) Large Wheel Hub	
(4) 100mm Travel Rubber Tire	
(4) 160mm Travel Rubber Tire	
(4) 200mm Travel Rubber Tire	
(4) 250mm Travel Rubber Tire	
Additional Wheels & Motors	
(2) 200mm Travel Omni-Directional Wheel	
(2) Smart Motor	

Vex IQ Foundation Add-On Kit or equivalent to include:

Structure	
(4) 1x3 Beam	
(10) 1x4 Beam	
(10) 1x6 Beam	
(12) 1x8 Beam	
(10) 1x10 Beam	
(8) 1x12 Beam	
(8) 2x2 Beam	
(8) 2x4 Beam	
(8) 2x6 Beam	
(8) 2x8 Beam	
(6) 2x10 Beam	
(8) 2x12 Beam	
(8) 2x16 Beam	
(4) 2x20 Beam	
(4) 4x4 Plate	
(4) 4x6 Plate	
(4) 4x8 Plate	
(4) 4x12 Plate	
(8) 3x4 Tee Beam	
(8) 2x3 Right Angle Beam	
(8) 3x3 30 Degree Angle Beam	
(8) 3x3 45 Degree Angle Beam	
(8) 3x3 60 Degree Angle Beam	



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(8) 3x5 Right Angle Beam	
(8) 4x4 Offset Right Angle Beam	
Connectors	
(18) 1/2x Pitch Standoff	
(18) 1x Pitch Standoff	
(14) 2x Pitch Standoff	
(8) 4x Pitch Standoff	
(8) 6x Pitch Standoff	
(16) Large Chassis Corner Connector	
(18) Small Chassis Corner Connector	
(16) 2x Wide, 1x2 Corner Connector	
(10) 2x Wide, 2x1 Corner Connector	
(20) 2x Wide, 2x2 Corner Connector	
(12) 1x Wide, 1x1 Offset Corner Connector	
(8) 2x Wide, 2x1 Offset Corner Connector	
(10) 2x Wide, 1x1 Offset Corner Connector	
(20) 2x Wide, 1x2 Offset Corner Connector	
(8) Worm Bracket	
(8) 2x2 Shaft Lock Plate	
(8) 1x3 Shaft Lock Plate	
(18) Mini Standoff Connector	
(12) Straight Standoff Connector	
(12) End Standoff Connector	
(50) 1/2x Pitch Spacer	
Pins	
(240) 1x1 Connector Pin	
(60) 1x2 Connector Pin	
(20) 2x2 Connector Pin	
Shafts	
(40) Shaft Washer	
(4) 2x Pitch Shaft	
(6) 4x Pitch Shaft	
(6) 6x Pitch Shaft	
(4) 8x Pitch Shaft	
(6) 1x1 Idler Pin	
(6) 0x2 Idler Pin	
(2) 2x Pitch Plastic Shaft	
(2) 3x Pitch Plastic Shaft	
(2) 4x Pitch Plastic Shaft	
(2) 5x Pitch Plastic Shaft	
(2) 2x Pitch Plastic Motor Shaft	
(4) 3x Pitch Plastic Motor Shaft	
(2) 4x Pitch Plastic Motor Shaft	
(2) 2x Pitch Plastic Capped Shaft	



(4) 3x Pitch Plastic Capped Shaft	
(2) 4x Pitch Plastic Capped Shaft	
(2) 5x Pitch Plastic Capped Shaft	
(8) Shaft Bushing	
(60) Rubber Shaft Collar	
(4) Rubber Band Anchor	
Pulleys & Belts	
(2) 10mm Diameter Pulley	
(2) 20mm Diameter Pulley	
(2) 30mm Diameter Pulley	
(2) 40mm Diameter Pulley	
(2) Tire (100mm Travel)	
(2) 30mm Rubber Belt	
(2) 40mm Rubber Belt	
(2) 50mm Rubber Belt	
(2) 60mm Rubber Belt	
Turntable Accessories	
(3) Thrust Bearing Smooth Bushing	
(6) Thrust Bearing Housing	
(2) Large Thrust Bearing Smooth Bushing	
(4) Large Thrust Bearing Housing	
Storage	
(1) Storage Bin and Tray	