



**Purchasing and Contracts Branch**  
2201 East Market Street  
Long Beach, California 90805-5556

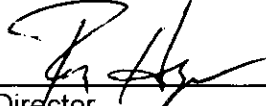
## Request for Bids (RFB)

# 05-1718

# PLTW Engineering Supplies

(Price Agreement)

RELEASED ON: 7/3/2017

  
\_\_\_\_\_  
Director

6/30/17  
\_\_\_\_\_  
Date



## SECTION A - INSTRUCTIONS

### 1. INTRODUCTION

The Long Beach Unified School District (District) is seeking sealed bids from qualified vendors (Bidder), to provide PLTW Engineering Supplies. The intent of this RFB process is to select a Bidder and establish a one (1) year contract with an option to extend for up to two (2) additional one year periods based on satisfactory service/performance.

#### a) District Contact

The District contact (Contact) for this RFB is the sole point of contact for this procurement. All communication shall be in writing and submitted to the Contact as designated below. Bidders are not permitted to communicate with other District staff or officials about this RFB, except during pre-bid meetings and/or interviews, unless otherwise directed by the Contact. Direct written questions and/or correspondence related to this RFB to:

**Contact:** Emmeline Mojica - Purchasing Agent

**E-Mail:** [Emojica@lbschools.net](mailto:Emojica@lbschools.net)

Bidders interested in participating in this RFB should immediately provide Contact with a telephone number and an e-mail address for dissemination of addenda and/or supplemental information, as applicable. Failure to do so may result in late notifications and/or incomplete bids.

#### b) Deadline for Submitting Questions

Any questions regarding this RFB must be submitted, via email, to the Contact referenced above, no later than 7/13/2017 at noon. All submittals must reference the RFB number and title. Questions submitted by the deadline will receive an email response from the District no later than 7/18/2017.

#### c) Quantities

Quantities for each item are based on estimated usage and the District's best estimate of future purchases throughout the term of the bid. Bidders are advised that actual orders may vary from stated quantities.

### 2. FORMAT AND SUBMISSION

Bids must be submitted on the provided bid forms in conformance with this RFB. Bids must be submitted in a sealed envelope with the bid number, bidder's name and address appearing on the face thereof. Bidders must complete and return the following:

- Company Information Form
- Piggyback Clause Form
- Request for Taxpayer Identification Number and Certification Form (Form W-9)
- Bid Form
- Addenda in chronological order (if applicable)
- If bidding other than items specified herein, provide Manufacturer's Specification sheets



Additionally, bids must be submitted to and addressed as follows:

**LBUSD Purchasing & Contracts Branch  
Attn: Emmeline Mojica - Purchasing Agent  
RFB 05-1718 - PLTW Engineering Supplies  
2201 E. Market Street  
Long Beach, California 90805**

The deadline for submitting a sealed bid is **7/25/2017 at 11:00 AM**. Any bid received after this time will be returned unopened (Government Code Section 53068). It is the Bidder's responsibility to ensure that their bid arrives before the deadline. Postmarks will not be accepted in lieu of actual receipt. **Faxed or e-mailed bids will not be accepted.**

### **3. CONTRACT TERM**

The initial contract period will be 08/2017 through 07/2018. The contract may be extended for up to two (2) additional one (1) year periods upon mutual consent of both parties. The District requires that all pricing contained in the bid remain firm for the initial term. The District will consider fully documented requests for price increases, to be submitted at least thirty (30) days prior to contract renewal. The District may, at its sole option, accept any changes or cancel from the contract those items concerned.

### **4. DELIVERY TERMS**

The awarded Bidder shall deliver the requested products to the District within fourteen (14) business days of receipt of purchase order. All items must be delivered, ready for use, F.O.B. Long Beach Unified School District Warehouse, 2201 E. Market Street, or location as specified in purchase order. Additionally, Bidder shall:

- Include a detailed and accurate packing slip with each delivery. Purchase order number must appear on all packages, packing slips, and invoices.

### **5. EQUIVALENT BRANDS**

All items referenced in this bid are "or equal" and are not meant to be restrictive. Bidders desiring to quote other brands must indicate make/brand, and model name/number proposed with each item. The specified brands must be furnished unless clearly indicated by bidder.

If bidding **other than specified**, samples **MUST** be submitted upon request within five (5) business days. Failure to supply samples may be cause for bid rejection. All samples submitted must indicate bid number, bid item number, vendor name; brand and model/mfg. number on **outside of each package**. Deliver package of samples to 2201 E. Market St., Long Beach, CA 90805. Bidder is responsible for all cost of samples and freight, including return service.

### **6. AWARD**

#### **a) Method**

After the public bid opening, where the apparent low bid is identified, bids will be reviewed to ascertain that they are in compliance with the RFB requirements. Bidders may be deemed non-responsive for failure to comply with the requirements set forth herein.

Evaluation of responsive Bidders will be based on, but not limited to such factors as ability to deliver products in a timely manner, appropriateness and quality of materials, and pricing.

Items in this bid will be awarded individually. The District reserves the right to cancel or withdraw any item(s) before award and proceed with an award on the remaining items.

In the event there are two or more identical lowest bids, the District will award to the local vendor (if any). If there is no local vendor, award will be determined in compliance with Public Contract Code 20117.

**b) Award Notification**

A Notification of Intent to Award will be issued to all participating Bidders identifying the lowest responsible/responsive Bidder.

Bids are subject to acceptance within sixty (60) days of closing date, and all bids shall remain irrevocably in effect for sixty (60) days after the bid closing date.

**c) Commencement of Services**

A written purchase order results in a binding contract without further action by either party. A Purchase Order will be issued once:

- Board authority is granted
- Insurance requirements have been met, if applicable
- Verification of current vendor W-9 Tax Form

**d) Reservations**

The District reserves the right to:

- Reject any and all bids, or any part of any bid
- Accept any part of the bids, at prices quoted, to the best advantage of the District, unless Bidder by indicating on bid positively limits his bid to "all or none"
- Waive any informality or minor irregularity in any bid

**7. CLARIFICATION AND INTERPRETATION**

The words "must" or "will" or "shall" in this RFB indicate mandatory requirements. Taking exception to any mandatory requirement may be grounds for rejection of the bid.

The District wants to avoid any misunderstanding where it is assumed that a feature is included in the bid and turns out to be an optional, extra cost feature. Any features that are optional, extra cost items shall be clearly referenced as such in all correspondence, including RFB questions and the written Bid Form.



## SECTION B - GENERAL TERMS AND CONDITIONS

1. The detailed requirements of the Bid Proposal specifications shall supersede any conflicting provisions of these General Conditions.
2. Hereinafter the word "District" means the Board of Education or its authorized representative. The general specifications are for reference only. The District reserves the right to waive any minor variations from specifications and to evaluate the bid based on the determination of what is in the District's best interest and the ability of the items to perform the task for which they are being purchased. The District will make its determination based on specifications set forth in this bid and their applicability to the end-user's needs.
3. **ADDENDA:** The District reserves the right to modify and issue addenda to this RFB. A signed copy of all addenda shall be submitted as part of the bid. Failure to include the addenda may result in a non-responsive submittal. Addenda shall become a part of this RFB and any Agreement, which may result from this solicitation.
4. **AFFIRMATIVE ACTION:** The Long Beach Unified School District is an Affirmative Action/Equal Employment Opportunity Employer and in accordance with applicable state and federal law, does not discriminate in any employment practice on the basis of age (40 and over), ancestry, color, marital status, medical condition (cancer related), national origin, political or union affiliation, physical or mental disability, race, religion, sexual orientation or sex. This policy of affording equal employment opportunities to all persons is in keeping with provisions of Title VII and Title IX amendments of the United States Code, which protect persons against discrimination.
5. **ASSIGNMENT:** No contract awarded under this proposal shall be assigned except with the District's written approval.
6. **ASSIGNMENT BY BIDDER:** Assignment by Bidder to purchasing body rights under Federal law arising from purchase pursuant to bid: In submitting a bid to public purchasing body, the Bidder offers and agrees that if the bid is accepted, it will assign to the purchasing body all rights, title, and interest in and to all causes of action it may have under Section 4 of the Clayton Act (15 U.S.C. Sec. 15) or under the Cartwright Act (Chapter 2 commencing with Section 16700) or Part 2 of Division 7 of the Business Professions Code, arising from purchasing body pursuant to the bid. Such assignment shall be made and become effective at the time the purchasing body tenders final payment to the Bidder. The preceding provisions of this section shall be included in full in any specification for the public purchase and shall be included in full in the bid agreement or general provisions incorporated into the bid agreement.
7. **BID PREPARATION AND SUBMISSION:**
  - a. Bids received later than the time and date specified herein will not be considered and will be returned unopened to the Bidder (Government Code Section 53068).
  - b. All prices and other notations must be typewritten or legibly written in ink. Changes or corrections must be initialed in ink by the person signing the bid.
  - c. Bidders shall bid separately on each item, showing unit price and other required information. The unit price shall prevail.
  - d. Bidder shall quote no less than lowest net price, best delivery date, maximum discount terms for prompt payment of at least thirty (30) days, and list manufacturer and model # of the item offered.
  - e. Unless otherwise stated, bid specifications call for equipment and supplies that are new and unused, of current manufacture.
8. **CANCELLATION:** District may, at any time, with or without reason, terminate the Bid Award and compensate Bidder only for goods/services satisfactorily rendered to the date of termination. Written notice by District shall be sufficient to stop further performance of services by Bidder. Notice shall be deemed given when received by the Bidder or no later than three days after the day of mailing, whichever is sooner.
9. **CONTRACT DOCUMENTS:** The complete purchase agreement includes the following documents: The advertisement for bids (when required), the bid and purchase order conditions, the specifications and drawings, the bid of the supplier and its acceptance by the District, the purchase order, performance guarantee, executed agreement, and all amendments thereto. Any of these documents shall be interpreted to include all provisions of the other documents as though fully set out therein.
10. **DEFAULT BY BIDDER:** The District shall hold the Bidder responsible for any damage which may be sustained because of the failure or neglect of the Bidder to comply with any term or condition listed herein or in the purchase order, it being specifically provided and agreed that time shall be of the essence of the contract delivery requirements.

If the Bidder fails or neglects to furnish or deliver any of the materials, supplies or services listed herein at the prices named and at the time and places herein stated or otherwise fails or neglects to comply with the specifications and other terms of the contract, the District may, upon written notice to the Bidder, cancel the contract in its entirety or cancel or rescind any or all items affected by such default, and may, whether or not the contract is canceled in whole or in part, purchase the materials, supplies or services elsewhere without notice to the Bidder. The prices paid by the



District at the time such purchases are made shall be considered the prevailing market prices. Any extra cost incurred by such default may be collected by the District from the Bidder and the surety on the performance bond, if any.

11. **DELIVERY:** No equipment shall be accepted unassembled; all equipment shall be assembled prior to (or within three business days) after delivery; and no charges for transportation, handling, containers, packing, etc., will be allowed unless otherwise specified in the bid. All articles shall be subject to inspection and acceptance or rejection by the District.
12. **FORCE MAJEURE CLAUSE:** The parties to the contract shall be excused from performance there under during the time and to the extent that they are prevented from obtaining, delivering or performing by act of God, fire, strike, loss or shortage of transportation facilities, lockout, or commandeering of materials, products, plants or facilities by the government, when satisfactory evidence thereof is presented to the other party, provided that it is established that the non-performance is not due to the fault or neglect of the party not performing.
13. **PAYMENT:**

Payment will be made only to the firm name written on the bid. All cash discount (prompt payment terms) shall be taken and computed from the date of acceptance of material or the date of receipt of the invoice, whichever is later.
14. **PERMITS AND LICENSES:** Licenses must be legally held in the name as submitted on bid documents. The Bidder and all of his employees or agents shall secure and maintain in force such licenses and permits as are required by law, in connection with the furnishing of materials, articles or services herein listed.
15. **PRICING:** Unit prices shown on the bid shall be the price per unit of sale as stated herein. For any given item, the quantity multiplied by the unit price shall establish the extended price; the unit price shall govern in the bid evaluation and contract administration.
16. **PROMPT PAYMENT TERMS:** Cash discounts shall be considered in determining low bid if discount offered is for (30) day payment period or longer. Cash discounts for less than thirty (30) days shall not be considered in determining low bid.
17. **PROPERTY OF THE DISTRICT:** All bids and materials submitted become the property of the District and may be used by the District in any way it deems appropriate. In addition, bids received will be subject to the California Public Records Act.
18. **SAFETY AND LEGAL REQUIREMENTS:**
  - a. All materials, equipment or supplies referred to in the bid shall be in full compliance with the safety orders and regulations of the Division of Industrial Safety of the State of California, product labeling and regulations of the California Department of Consumer Affairs, and the minimum standards of the O.S.H.A., and all other laws and ordinances applicable thereto.
  - b. All electrical, radio and electronic equipment, materials, supplies and accessories called for in the specifications must bear the seal of approval of the Underwriters Lab., Inc., and/or the Electrical Testing Laboratories of the City of Los Angeles. Where seals of approval are not visibly identifiable, a signed statement of such approval shall be furnished to the District, if so requested.
  - c. Motor-driven or shock-hazard machinery and appliances must have a 3-wire cord (grounded) and 3-prong plug. If the item is "double-insulated" and so certified by U.L., grounding is not necessary.
  - d. When applicable, will be required to submit Material Safety Data sheets (MSDS) for the items awarded.
19. **TRADE-INS & ALTERNATIVE BID:** The District may offer to purchase certain items conditioned on the agreement of the Bidder to purchase designated equipment and remove same from the District, and stating in the bid the amount that may be deducted from the bid price for furnishing the new material, as provided in § 39523 and § 81454 of the Education Code. Condition of the equipment to be turned in is to be "as is". Equipment may be inspected if desired. Bidder may either offer an exchange allowance or an alternative quotation on the same item without trade-in.

Unless otherwise stated, bid specifications call for equipment and supplies that are new and unused, of current manufacture.
20. **WARRANTY:** Period shall begin on the date that the article is placed into service by the user. Each Bidder shall state in writing the warranty on parts and labor as applicable. Additionally, Bidder shall warrant all products to be free from defects in both materials and workmanship, and will guarantee replacement and/or full refund of the purchase price. Warranty period shall begin on the date that the article is placed into service by the user.
21. **WITHDRAWAL OR CHANGE OF BID:** Bids may be withdrawn only by letter or in person prior to the stated closing time. No change(s) or addition(s) or correction(s) or withdrawal of bids will be permitted after the stated closing time. Bids may only be withdrawn after closing with consent of the District.



### COMPANY INFORMATION FORM

To: Board of Education of the Long Beach Unified School District

In compliance with the Request for Bids, the undersigned, acting for the firm named, hereby proposes and agrees, if this bid be accepted, to furnish the items and/or services at the prices quoted opposite each item, within the times indicated, and in accordance with the instructions, general conditions, and specifications set forth in these bid documents.

Company Name: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

Telephone: (     ) \_\_\_\_\_

E-mail: \_\_\_\_\_

Tax ID Number: \_\_\_\_\_

**NON-COLLUSION STATEMENT:** Bidder hereby certifies that this bid is genuine and not collusive or made in the interest or behalf of any person not herein named, and that the Bidder has not directly or indirectly, induced or solicited any other Bidder to put in sham bid, or any other person, firm, or corporation to refrain from bidding, and the Bidder has not in any manner sought by collusion to secure for himself an advantage over any other Bidder.

**OBJECTION TO TERMS:** If the Bidder has any objections to the terms of this RFB, these objections must be clearly addressed, in writing, on the a cover letter which shall accompany the bid and shall specifically reference the particular section number, paragraph, and page number of the objection.

\_\_\_\_\_  
Principal Name

\_\_\_\_\_  
Title

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date



## PIGGYBACK CLAUSE

Company Name: \_\_\_\_\_

For the term of the agreement and any mutually agreed extensions pursuant to this request for bids, **at the option of the vendor**, other school districts, community college districts, any public corporation or agency, including any county, city, town or public corporation or agency within the State of California, may purchase the identical item(s) at the same price and upon the same terms and conditions pursuant to sections 20118 of the Public Contract Code.

The Long Beach Unified School District waives its right to require such other districts and offices to draw their warrants in the favor of the District as provided in said Code sections.

**Please initial one of the following:**

Piggyback option granted \_\_\_\_\_

Piggyback option **not** granted \_\_\_\_\_

***Acceptance or rejection of this clause will not affect the outcome of this bid.***

Exclusions:

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# Request for Taxpayer Identification Number and Certification (Form W-9)

Form <b>W-9</b> (Rev. December 2014) Department of the Treasury Internal Revenue Service	<b>Request for Taxpayer          Identification Number and Certification</b>	<b>Give Form to the          requester. Do not          send to the IRS.</b>
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Print or type See Specific instructions on page 2.	<table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:10%; border: none;">1</td> <td style="border: none;">Name (as shown on your income tax return). Name is required on this line; do not leave this line blank.</td> </tr> <tr> <td style="border: none;">2</td> <td style="border: none;">Business name/disregarded entity name, if different from above</td> </tr> <tr> <td style="border: none;">3</td> <td style="border: none;"> <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%; border: none;">           Check appropriate box for federal tax classification; check only <b>one</b> of the following seven boxes:  <input type="checkbox"/> Individual/sole proprietor or single-member LLC  <input type="checkbox"/> Limited liability company. 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7	List account number(s) here (optional)																	

<b>Part I</b>	<b>Taxpayer Identification Number (TIN)</b>																							
Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see <i>How to get a TIN</i> on page 3.		<table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:100%; border: none;">Social security number</td> </tr> <tr> <td style="border: none;"> <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:25%; border: 1px solid black;"> </td> <td style="width:25%; border: 1px solid black;"> </td> <td style="width:25%; border: 1px solid black;"> </td> <td style="width:25%; border: 1px solid black;"> </td> </tr> <tr> <td style="border: none;">-</td> <td style="border: none;">-</td> <td style="border: none;">-</td> <td style="border: none;">-</td> </tr> </table> </td> </tr> <tr> <td style="border: none;">or</td> <td style="border: none;">Employer identification number</td> </tr> <tr> <td style="border: none;"> <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:25%; border: 1px solid black;"> </td> <td style="width:25%; border: 1px solid black;"> </td> <td style="width:25%; border: 1px solid black;"> </td> <td style="width:25%; border: 1px solid black;"> </td> </tr> <tr> <td style="border: none;">-</td> <td style="border: none;">-</td> <td style="border: none;">-</td> <td style="border: none;">-</td> </tr> </table> </td> <td style="border: none;"></td> </tr> </table>	Social security number	<table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:25%; border: 1px solid black;"> </td> <td style="width:25%; border: 1px solid black;"> </td> <td style="width:25%; border: 1px solid black;"> </td> <td style="width:25%; border: 1px solid black;"> </td> </tr> <tr> <td style="border: none;">-</td> <td style="border: none;">-</td> <td style="border: none;">-</td> <td style="border: none;">-</td> </tr> </table>					-	-	-	-	or	Employer identification number	<table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:25%; border: 1px solid black;"> </td> <td style="width:25%; border: 1px solid black;"> </td> <td style="width:25%; border: 1px solid black;"> </td> <td style="width:25%; border: 1px solid black;"> </td> </tr> <tr> <td style="border: none;">-</td> <td style="border: none;">-</td> <td style="border: none;">-</td> <td style="border: none;">-</td> </tr> </table>					-	-	-	-	
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<b>Note.</b> If the account is in more than one name, see the instructions for line 1 and the chart on page 4 for guidelines on whose number to enter.																								

<b>Part II</b>	<b>Certification</b>		
Under penalties of perjury, I certify that:			
<ol style="list-style-type: none"> <li>1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and</li> <li>2. I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and</li> <li>3. I am a U.S. citizen or other U.S. person (defined below); and</li> <li>4. The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.</li> </ol>			
<b>Certification instructions.</b> You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions on page 3.			
<b>Sign Here</b>	<table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:70%; border: none;">Signature of U.S. person ▶</td> <td style="width:30%; border: none;">Date ▶</td> </tr> </table>	Signature of U.S. person ▶	Date ▶
Signature of U.S. person ▶	Date ▶		

**General Instructions**

Section references are to the Internal Revenue Code unless otherwise noted.

**Future developments.** Information about developments affecting Form W-9 (such as legislation enacted after we release it) is at [www.irs.gov/fw9](http://www.irs.gov/fw9).

**Purpose of Form**

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following:

- Form 1099-INT (interest earned or paid)
- Form 1099-DIV (dividends, including those from stocks or mutual funds)
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1099-S (proceeds from real estate transactions)
- Form 1099-K (merchant card and third party network transactions)

- Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
- Form 1099-C (canceled debt)
- Form 1099-A (acquisition or abandonment of secured property)

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.

*If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See What is backup withholding? on page 2.*

By signing the filled-out form, you:

1. Certify that the TIN you are giving is correct (or you are waiting for a number to be issued),
2. Certify that you are not subject to backup withholding, or
3. Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income, and
4. Certify that FATCA code(s) entered on this form (if any) indicating that you are exempt from the FATCA reporting, is correct. See *What is FATCA reporting?* on page 2 for further information.

**BID FORM**  
**COMPANY NAME** \_\_\_\_\_

Item #	Qty	UOM	Description	PLTW Item #	Unit Price	Extn Price
1	16	each	16 oz Hickory Hammer	470150-014		
2	12	each	Adjustable Wrench, 8", 1.25 in max opening	44PWP128E		
3	4	each	Alti Trak Altitude Tracker	S41861		
4	30	each	APC Slow Flyer Propeller, 8x3.8SF	44PWLX1681		
5	1	each	Back Saw, 14", 12-14 teeth per inch	44PWG108		
6	8	each	Bastard-Cut Mill File, 8"	NC1194835		
7	1	each	Box Fan, 20" Square, 3-speed	95021		
8	2	kit	Carolina Visual Perception Kit	694527		
9	35	each	Combination Square, 12" w/grooved markings	44PWG127		
10	341	each	Dial Calipers, 6" steel, graduated to .001	44PW4090		
11	2	each	Estes Industries ALPHA III E2x Rocket	S13198		
12	8	each	File Handle	102973		
13	40	each	Glue Gun, Lo-Temp Full Size, 110V	44PW4570		
14	12	each	Hack Saw	102204		
15	1	each	Hex key set, folding	100097		
16	1	each	Hydraulic Bottle jack	180621		
17	10	each	Locking Pliers	106956		
18	20	each	Logitech Webcam C270	44PWEE2002		
19	16	each	Miter Box, Clamping	44PWEE2545		
20	160	each	Needle Nose Pliers, 5"	44PW4200		
21	14	each	Ohaus Compact Scale 2000 g x 1g	44PWG111		
22	2	each	Paper Cutters, 12" cut length	44PWP136		
23	1	each	Plate Steel Perforated Tube, 1", 14 gauge	B000BD6BWC		
24	18	each	Precision Screwdriver Set, 6-piece	44PWP132		
25	1	each	Propeller Adapter with set screw, 4mm	B000BP2JXU		
26	10	each	PVC 90 deg. Elbow, 1" diameter	44PWEE2077		
27	10	each	PVC Coupling, 1" diameter	44PWEE2076		
28	5	each	PVC pipe, 1" diameter 2' length	44PWEE2074		
29	10	each	PVC plug, 1" diameter	44PWEE2075		
30	2	each	Rocket Builder's Makring Guide	S13191		
31	1	each	Rocket Engine Test Bracket, for size A,B,C, D	ME-6617		
32	1	each	Ruler, clear Plastic, 12"/31cm metric/english	S90532C		
33	22	pack	Safety Spectacles, 12 pack	S01822		
34	1	each	Scissors, 7", plastic handle, pointed tip	388234		
35	12	each	Screwdriver Set, 12 piece, slot and Phillips tips	44PWP122		
36	10	each	Slow Flyer Propeller, 8x6SF	44PWLXNG55		
37	30	each	Spring Clamps, 3" jaw opening	44PWTG117		
38	2	each	Storage cabinet, Steel	NC1194839		
39	110	each	Storage Organizer, (small VEX parts) (NC0918479-DNU)	44PWG101		
40	6	each	Support Stand with Rod	WLS78305-C		
41	20	each	Tape measure, steel, 25' with thumb lock	44PWEE2062		
42	1	each	Threaded rod, 5/16" 18-36"	202183562		
43	12	pack	Trigger Bar clamp, medium, 12" 2 pack	44PWEE2546		
44	24	pack	Trigger Bar clamp, medium, 6" 2 pack	44PWEE2547		
45	40	each	Utility Knife, metal, with 5x replacment blades	44PW33001		
46	2	each	Vernier AE Vernier Bundle	PLTW-AE		

**BID FORM**  
**COMPANY NAME \_\_\_\_\_**

Item #	Qty	UOM	Description	PLTW Item #	Unit Price	Extn Price
47	10	each	Vernier Basic Turbine Building Parts	KW-BTPART		
48	20	kit	VEX AE Kit	270-1789		
49	12	set	Wrench Set, 9 piece, SAE	44PW4140		
50	1	each	Architectural Scale, 12" triangle w/6 div.	44PW4065		
51	1	each	Auto Level, Nikon #AX2S, 20x magnification	44PW6035		
52	1	each	Brass bottom pan, 8" for soil sieve	04886C		
53	1	each	Brass Cover, 8" for sieve pan	04886A		
54	1	each	Civil Engineering Scale, Triangular, white plastic	44PW4070		
55	1	each	Level Rod, Fiberglass, 13' length graduated	44PW6045		
56	1	each	Ohaus Triple Pro Balance, 2601 g capacity	WLS1761-72		
57	1	each	Rod Level, seco	wPWP13		
58	1	each	Rubber Mallet, 16oz	470094-184		
59	1	each	Sieve, Soil Testing, #4, 8" dia	S12881		
60	1	each	Sieve, Soil Testing, #40, 8" dia	048815R		
61	1	each	1/4" ball end	NC1192843		
62	2	each	1/8" End Mill	NC1192845		
63	2	each	3/8" End Mill	NC1192847		
64	3	each	Air compressor Hose, 25' length	44PW4690		
65	1	each	Air Compressor, Portable, 5 gal. tank	349204		
66	1	each	Band Saw, Bench top, 9" Throat, 115V 1/5HP	205503634		
67	1	each	BenchMill 6000 CND Milling Machine	PLTW-CIM-6000		
68	1	each	Benchtop Tablesaw, 10" cutting blade	142286		
69	6	pk	Connector Socket 22-26 AWG, Tin Crimp 100pk	A25970-ND		
70	18	each	Cordless Drill, 14 volt or higher	44PWEE2051		
71	4	each	Drill Press Vise, 4" capacity	44PW4625		
72	2	each	Drill Press, bench top	490712		
73	4	each	Edge Finder	NC1192851		
74	2	each	End Mill Tool, Square, 0.25" diam. 1.5" length	NC1192846		
75	10	set	Engraver Tool Set	44PWEE2120		
76	1	each	Height Offset Sensor	636-7044		
77	25	each	Hex Driver, 3/32"	NC1192850		
78	25	each	Hex Driver, 5/64"	NC1192849		
79	4	set	Hex key Set, 10 piece Metric	44PWEE2110		
80	11	each	Hook Up Wire 22 Guage, Solid, Black, 25'	44PW912E		
81	11	each	Hook Up Wire 22 Guage, Solid, White, 25'	44PW913E		
82	14	each	HSS Drill Bits, 1/16"-1/2" by 64ths w/case 14pc	44PWEE2052		
83	1	each	Lynxmotion Base Rotate, Heavy duty base	RB-Lyn-886-DNU		
84	25	kit	Lynxmotion PLTW Robotic Arm Kit	RB-Lyn-814		
85	10	pack	Male Headers, 20 x .025" posts, 10pack	609-3288-ND		
86	80	each	Multipurpose Wire Stripper	44PWEE1741		
87	3	each	Pliers, Curved Jaw Slip Joint, channel lock	44PWEE2111		
88	61	each	RSR Solderless Breadboard Model MB801	44PWP516		
89	1	each	SEA-02: Extension cables, 12"	SEA-02		
90	10	each	Slip Joint pliers	106984		
91	5	each	Socket Set, 3/8" Drive SAE/Metric 18-piece	44PWEE2056		
92	60	each	Stopwatch, handheld	470014-582		

**BID FORM**  
**COMPANY NAME \_\_\_\_\_**

Item #	Qty	UOM	Description	PLTW Item #	Unit Price	Extn Price
93	3	pack	Syringes, 10 cc/mm, 10 pack, standard tip	44PW1201		
94	62	kit	VEX POE Kit	270-1921		
95	8	set	Wrench Set, 10 piece, Metric	44PWEE2109		
96	1	pack	.05" Lead Free De-Soldering Braid Rosin, 5pk	EB1087-ND		
97	1	each	2 Amp Multi-Output Power Supply	44PW622E		
98	1	each	48-pin IC Dip Socket	19ICM48		
99	1	pack	Battery Holder, 4xAA capacity, 10 pack	44PWEE1752		
100	1	each	Desolder Pump with Tip	44PW609E		
101	60	each	Digital Multimeter Super Economy Plus DMM	44PW117EA		
102	1	pack	Fuse, 5x20mm fast-acting, 1.25 amp, 10pk	F2375-ND		
103	1	pack	Green LED -5mm, 1.9V, 100 pack	754-1265-ND		
104	1	each	Lighted Magnifier, 4x Magnification	44PWP612		
105	1	each	Lighted Magnifier, Lens Free	S68536		
106	10	each	Parallax Student DE Bundle w/Arduino	32331-PLTW		
107	1	kit	PLTW Digital Electronics Integrated Circuits Kit	IC Kit-ND		
108	1	each	PLTW myDAQ Digital MiniSystem	DMS-1		
109	1	pack	Red LED -5 mm, 2 V, 500 pack	754-1264-ND		
110	1	kit	Resistor/Capacitor kit	44PW2005N		
111	1	each	RSR Helping Hand with Magnifier	44PW2596		
112	10	each	RSR High Performance 25 Watt 3-Wire Iron	44PWP114		
113	10	each	RSR Soldering Iron Stand	44PW2590		
114	50	each	RSR Solderless Breadboard Model MB106	44PW2555		
115	1	each	USB A to USB B micro cable, 1.64'	44PWP611		
116	1	kit	VEX DE Kit	270-1922		
117	1	pack	Yellow LED -5 mm, 2.1 v, 100 pack	754-1284-ND		
118	1	each	Vernier EDD Vernier Bundle	PLTW-EDD		
119	10	each	Vernier LabQuest Mini	LQ-MINI		
120	1	each	10 uL Fixed-Volume Micropipet	470149-114		
121	1	each	20 ul Fixed-Volume Micropipet	470148-962		
122	1	each	32 Qt. Clear Bin with Lid	470092-066		
123	1	each	5 ul Fixed-Volume Micropipet	470148-804		
124	1	each	50 ul Fixed-Volume Micropipet	470148-976		
125	8	each	6 Gallon Bucket	470033-362		
126	1	each	American Weigh 100g OIML Calibration Weight	100WGT		
127	1	each	American Weigh AWS-201 Precision Pocket	AWS-201		
128	1	pack	Beakers, 100 mL, 12 pack	S15431		
129	1	pack	Beakers, 1000 mL, 6 pack	S15436		
130	1	pack	Beakers, 250 mL, 12 pack	S15433		
131	1	each	Buret Clamps, 1-3/8" opening	WL4901		
132	1	pack	Carolina Beakers, Standard Grade 400 mL 6/pk	731010		
133	1	each	Clamp Light, 75 watt	205139241		
134	1	each	Digital CoreScope 2, Binocular Microscope	S21548		
135	1	each	EdvoCycler, Thermal Cycler, 25x0.2mL Tube	WLS541		
136	1	each	Edvotek M12 Dual Electrophoresis Apparatus	504		
137	1	each	Edvotek Micropipet, Digital 0.5-10 ul	589		
138	1	each	Edvotek Micropipet, Digital 100-1000 ul	592-1		

**BID FORM**  
**COMPANY NAME** \_\_\_\_\_

Item #	Qty	UOM	Description	PLTW Item #	Unit Price	Extn Price
139	1	each	Edvotek Micropipet, Digital 20-200 ul	591-1		
140	1	each	Edvotek Micropipet, Digital 2-20 ul	589-1		
141	1	pack	Erlenmeyer Flask, Narrow Neck, 250 mL, 12 pk	S00144		
142	1	pack	Erlenmeyer Flask, 125 mL, 12 pack	WLS1736-11		
143	1	pack	Erlenmeyer Flasks, 50 mL, 12 pack	WLS1736-09		
144	11	pack	Dowel Rod, Hardwood, 1/4"x36", pack of 50	506747		
145	11	pack	Dowel Rod, Hardwood, 1/8"x36", pack of 50	506743		
146	1	each	Floating Microtube Rack Polypropylene rack	S66814		
147	1	each	Glass Elbow with Tubing Bundle	NC0927129		
148	1	each	Graduated Cylinder, 10 mL, 0.2mL Graduations	WL5260B		
149	1	each	Graduated Cylinder, 1000 mL	S32816A		
150	43	each	Graduated Cylinder, 250 mL	S32814A		
151	1	each	Graduated Cylinder, 50 mL, Polypropylene	WL5260D		
152	1	each	Hot Plate Stir Plate, 7"x7" in surface, 100-120V	470013-372		
153	1	each	Individual Weight, 200g	S40268A		
154	1	each	Lab Incubator, 0.7 cu. Ft.	WLS43660		
155	1	pack	Labeled Wash Bottles, 6 pack	470145-108		
156	1	each	Magnetic Stir Bar, 1"	S68069		
157	1	each	Magnetic Stir Bar, 2"	S68071		
158	1	each	Magnetic Stir Bar, Teflon Coated, 1/2" (8mm)	WLS76507-40B		
159	1	each	Microcentrifuge, High Speed 9800xG	NC0882069		
160	1	pack	Microscope Slides with cavity/Well, 12 pack	WL8117C		
161	1	each	Microscope, binocular, mechanical stage, 100x	S13039		
162	1	each	Mortar & Pestle set, 100 mm, 100mL	WLS62250-D		
163	1	each	Natural Gas Burner, 800-1200 BTU	WLS12285		
164	1	pack	Petrifilm All-Purpose Spreader, pack 5	824100		
165	1	each	Pipet Pumps, 5 and 10 mL	WLB53502-233		
166	1	each	Red Spirit-Filled Thermometers, -20 to +150	WLS80035-10C		
167	1	each	Rubber Laboratory Apron, 27"x42"	WLS1752-36		
168	1	each	Rubber Stopper, # 6, 2 hole 1 pound	S24568		
169	1	each	Rubber Stoppers 6, 1 pound (approx 20 ct)	WLS73305-J		
170	1	pack	Stirring Rods, 12 Pack	470200-955		
171	1	each	Support Stands with Rods and Rings	470005-864		
172	1	each	Syringe, 60 mm, with tubing bundle	NC1062014		
173	2	kit	Tech card Build-it Kit	44PWG209-DNU		
174	1	each	Tetrasource 300 Power Supply	5010		
175	1	each	Veriner CO2 Gas Sensor	CO2-BTA		
176	1	each	Vernier ES Vernier Bundle	PLTS-ES		
177	1	pack	VWR Corks, 10 pack	23420-504		
178	1	pack	VWR Four-Way Microtube Racks, 5 pack	82010-750		
179	1	each	Wire Gauze Squares w/Ceramic Cener	WLS85335-B		
180	80	each	Aluminum Ruler, 12"	44PW4050		
181	6	kit	Automata Box Kit, Custom, 20 student pack	SQ850PLTW		
182	11	each	Automoblox PLTW kit -2 T9, 1 M9, 1 S9, 1 C9	ABXPLTW5-PLTW		
183	4	each	Gauge block, Steel	44PWP809		
184	1	each	Graduated Cylinder, 500 mL 1-5/8+ opening	S32815A		

**BID FORM**  
**COMPANY NAME \_\_\_\_\_**

Item #	Qty	UOM	Description	PLTW Item #	Unit Price	Extn Price
185	3	pack	Interlocking Cubes, 500 pack	44PWEE2686		
186	6	pack	Opaque Extruded Acrylic Ball 1/2", 50 pack	44PW1261		
187	10	pack	Wooden cubes/blocks, 3/4", 500 pack	SQ0750PLTW-DNU		
188	7	pack	Steel balls, 1/2", 100 pack	44PW1260		
189	1	pack	1.75" S-Hook, pack of 10	470092-183		
190	10	kit	365 Piece Resistor Kit 1/4 Watt	44PW909E		
191	36	set	Alligator Leads Set of 10 Leads	44PW2240		
192	20	each	Clamp Light	180022		
193	80	each	Mini push button switch	44PWP920		
194	20	each	RSR Variable DC Power Supply 18v 0-2A	44PW922E		
195	40	each	Solderless Breadboard with 300 tie points	44PWEE1754		
196	3	each	Syringes, 20 cc/mm, 10 pack standard tip	NC0918538-DNU		
197	3	each	Syringes, 35 cc/mm, 10 pack, standard tip	44PW1203		
198	1	each	Thermodynamics Heat Box	ThermHeatBox		
199	4	each	Vernier POE Vernier Bundle	PLTW-POE		
200	20	each	Vernier Stainless Steel Temperature Probe	TMP-BTA		
201	3	pack	Wood Round Balls, 1/2" diameter, 100 pk	44PWEE2597		
202	2	pack	Pipe Cleaners, 12", 100/pack	47014-652		
203	24	each	Floodlight Bulb, 100 W	470093-193		
204	20	kit	PLTW CSP Breadboard Kit	44PLTWCSC		
205	6	each	Fishing Line, 30 lb, 25 yd	470153-274		
206	4	pack	Syringe, Plastic, 10cc, 10 pack	NC0434289-DNU		
207	4	kit	The Machine 250 2-1/4" Button Machine Kit	KIT-MACH250-225		
208	2	kit	VEX Gateway Kit	270-1920		
209	2	each	Graph Paper, 1x1, pad/50	470093-970		
210	4	each	Balsa wood sheets, 1/8"x3"x36", 20 pack	382668		
211	4	each	Balsa wood sheets, 3/32"x3"x36", 20 pack	382666		
212	8	each	Balsa wood Sheets, 20 pk, 3/16x3/8x24"	S12888		
213	8	kit	Catapult construction kit	S12889		
214	80	each	Estes Industries 12 in parachute	S13194		
215	28	each	Estes Industries BT50 Body Tube, 3 pack	S13197		
216	16	each	Estes Industrice NC50 Nose Cone, 5 pack	S13196		
217	4	each	Estes Launch Lugs, 20 pack	S13192		
218	40	each	Estes Regular Engine Mount Kit	S13195		
219	40	each	Estes Shock Cords and Mount Pack	S13193		
220	2	each	Extruded Polystyrene Insulated Sheating 1/2"x4'x8'	LS128		
221	2	each	Fiberglass Bidirectional tape, 2"	2X50-FGT		
222	8	each	Foam insulation, close cell, 2"x24"x96"	LS124		
223	4	each	Furring strip, 1"x2"x8'	LS129		
224	40	each	Glass 12" Reinforcement Tape, Uninderctional S2, 1'	SU300		
225	4	each	L-bracket w/screws, 2"	LS132		
226	3	set	Mini Pump Set	300		
227	4	pack	Model Rocket Engine, A8-3, Estes 24 pack x 3.12g	S41871A		
228	2	pack	Model rocket Engine, B6-4 Estes 24 pack x 6.24g	S41867A		
229	2	pack	Model rocket Engines, Type C6-5, 24 pack	WL1780E-20A		
230	2	each	Plastic sheeting, 3.5-4 mil thickness, 10'x25'	LS126		

**BID FORM**  
**COMPANY NAME \_\_\_\_\_**

Item #	Qty	UOM	Description	PLTW Item #	Unit Price	Extn Price
231	2	pack	Powder-free Disposable Nitrile gloves, Large 100pk	WLS40289-D		
232	2	pack	Powder-free Disposable Nitrile gloves, med 100pk	470222-548		
233	8	pack	Recovery Wadding, 75 pack	470163-216		
234	8	pack	Rocket Igniter, 6 pack	470163-218		
235	2	each	Slow Hardener, .44 pint can	206-A		
236	2	pack	220 Ohm Resistor, 100 pack	220QBK-ND		
237	3	pack	Optoisolator, 2.5 KV, 4n25 Transistor w/base 100/pk	160-1300-5-ND		
238	5	each	Vinyl Tubing, clear, 1/8" inside diameter	NC1193241		
239	7	each	Hook Up Wire, 100', 22 gauge, Solid Core, Black	44PW1132E		
240	3	each	Hook Up Wire, 100', 22 gauge, Solid Core, Blue	44PW1125E		
241	7	each	Hook Up Wire, 100', 22 gauge, Solid Core, Red	44PW1100E		
242	7	each	Hook Up Wire, 100', 22 gauge, Solid Core, Yellow	44PW1135E		
243	2	each	Solder 1/2 lb Spool 60/40 Tin/Lead .031"	44PWG727		
244	1	kit	VEX Random Number Generator Kit	270-2338		
245	1	each	Acetone, Lab Grade, 500 mL	470300-070		
246	1	each	Agarose Powder, DNA Electrophoresis Grade, 125g	605-125g		
247	1	each	Algae, Ankistrodesmus falcatus	S22117ND		
248	1	each	Aluminum Potassium Sulfate Dodecahydrate	S25152		
249	1	each	Bioremediation by Oil-eating Bacteria Kit	956		
250	1	each	Cellulase, 25 g (Refrigerate upon arrival)	470300-676		
251	1	each	Charcoal, Activated, 500 g	S25243		
252	1	each	Chlamydomonas reinhardtii Algae, Wild Type +	WL20036		
253	1	each	Chlorella, Algae	WL20106		
254	1	each	Citric Acid Monohydrate, 500 g	470300-742		
255	1	each	Chlamydomonas reinhardtii Algae, Wild Type +	WL20036		
256	1	each	Chlorella, Algae	WL20106		
257	1	each	Citric Acid Monohydrate, 500 g	470300-742		
258	1	each	Construction and Cloning of a DNA Recombinant	301		
259	1	each	Cosmarium Algae	470176-678		
260	1	each	D(+) Maltose Monohydrate, Powder, 100 g	470301-704		
261	1	each	D-Fructose, Laboratory, Powder 500 g	470300974		
262	1	each	D-Galactose, 100g	S25334		
263	1	each	D-Glucose Monohydrate, 500 mL	470301-154		
264	1	each	D-Lactose Monohydrate, Lab Grade, 500g	S25375A		
265	1	each	Denatured Ethyl Alcohol, 95%, 500ml (aka Ethanol)	S25310		
266	1	each	Dextrose, 500g	470301-140		
267	1	pack	Disposable Petri Dishes, Sterile, 20 pack	WLS26028-30		
268	1	each	Disposable Serological Pipets, 10mL, .1mL	89130-888		
269	1	pack	Disposable Transfer Pipets, Narrow Stem, 500 pack	14670-345		
270	1	each	Duckweed. Living, Unit of 100-150	S07493ND		
271	1	pack	E. Coli/Coliform Count Plates, PK/25	470193-306		
272	1	pack	Edvotek Pipet Tips, 0.5-10 uL, 1000 pack	635-B		
273	1	pack	Edvotek Pipet Tips, 100-1000 uL, 1000 pack	637-B		
274	1	pack	Edvotek Pipet Tips, 2-200 uL, 1000 pack	636-B		
275	1	pack	Glass Cover Slips, 18mm x 18 mm, 100 pack	WL8124A		
276	1	pack	GMO Investigator Kit with Pre-amplified PCR Pack	1662503EDU		

**BID FORM**  
**COMPANY NAME** \_\_\_\_\_

Item #	Qty	UOM	Description	PLTW Item #	Unit Price	Extn Price
277	1	pack	Graduated Disposable Transfer Pipets, 1 mL 500pack	S01760		
279	1	each	Hydrochloric Acid, 0.1M, 1 liter	470301-224		
280	1	each	Isopropyl Alcohol, 70%, 500 mL	470301-456		
281	1	each	Isopropyl Alcohol, 99%, 3.8 L	470301-464		
282	1	kit	Lamotte Ammonia Water test Kit	NC1191416		
283	30	pack	Balsa wood strips 3/32x3/32x36", 50 pack	388778		
284	10	pack	Glass Fuse, 500 mA, 250 V, 5mmx20mm, 5pack	283-2844-ND		
285	10	pack	LED Blue - 5mm, 100 pack	C503B-BAN		
286	10	pack	LED Orange Clear - 3 m, 2.05V, 100 Pack	160-1944-ND		
287	10	pack	LED Red - 3mm, 1.65 V, 100 pack	754-1590-ND		
288	5	each	Glass drying Rack, 90 piece	470007-670		
289	5	each	Glycine Powder Solid, 1006	S25696		
290	3	each	Vortex Mixer	S14178		
291	5	pack	A Biohazard Bag, 100/pack	WLS2493-A		
292	2	kit	Launch 3.3 Refill Kit - variation of Traits	220-4523		
293	2	kit	Launch 3.4 Refill Kit - Programming Patterns	220-4509		
294	8	kit	Launch 4.4 Refill Kit-Input/Output: Human Brain	220-4504		
295	1	kit	Launch 5.3 Refill Kit-Infection: Detection	220-4525		
296	190	pack	Launch Logs 3.1 through 5.4 - 5 pack	220-4593		
297	480	each	Lo-Temp Glue Stick, 1/2"dx4"l	44PW1335		
298	5	kit	Launch 3.3 Full Kit - Variation Traits	220-4503		
299	5	kit	Launch 3.4 Full Kit - Programming Patterns	220-4509		
300	5	kit	Launch 5.3 Full Kit - Infection: Detection	220-4505		
301	6	set	Computer Science for Innovators/Makers Card Set	CSIMCards		
302	6	kit	Design and Modeling Refill Kit	220-5500		
303	5	set	Gateway App Creators Game Set	CSACGame		
304	120	each	Headphones, basic	44PWG206		
305	12	kit	Micro:bit custom PLTW Kit, 10 student pk	44PLTWCRBT		