

Section VII. Technical Specifications

Item	Specification	Statement of Compliance
		<p><i>[Bidders must state here either "Comply" or "Not Comply" against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. Statements of "Comply" or "Not Comply" must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer's un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found to be contradicted by the evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidder's statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the applicable laws and issuances.] Please state the brand and model being offered</i></p>
1	<p>Thermal Expansion Apparatus <i>Features:</i> Built-in Digital gauge: Measure the rod expansion with 0.01mm resolution.</p> <p>Built-in Thermistor: A 10k thermistor is connected directly to each tube and the temperature can be determined using a digital ohmmeter or temperature sensor.</p> <p>Heat with steam or water: The fluid used may be steam or water at any temperature.</p> <p>Three drop-in metal tubes: Each tube connects securely onto the rigid base. The other two can be simultaneously mounted on the base for convenient storage.</p> <p>Includes:</p> <ul style="list-style-type: none"> • Base with built-in dial gauge and thermistor; • Expansion tubes bras, copper and aluminum; 16mm dia. (80cm length) 	
2	<p>Super Pulley Force Table <i>Features:</i></p>	

	<p>Measure angles quickly and accurately with the built-in scale; screw in legs snap under the table for easy storage; draws vectors directly onto the laminated table top, then wipe them off when you're done; change a mass by one gram or an angle by one degree to see an immediate change into equilibrium position; ultra-low friction pulleys and the swivel function reduce.</p> <p>Includes:</p> <ul style="list-style-type: none"> • 1 unit 25cm diameter table with detachable legs; • 3 units adjustable super pulleys with clamps; • 1 pc spool of thread 	
3	<p>Discover Free Fall System <i>Features:</i></p> <ol style="list-style-type: none"> 4. Can be used to drop almost any small object by attaching a small steel washer with a small adhesive pad (both are included in the system). 5. Using an electric switch, timing started automatically, just as the object is dropped. 6. Time-of-flight pad stops timing when the object strikes it. <p>Includes:</p> <ul style="list-style-type: none"> • 1 unit drop box • 1 unit control cable • 1 unit control box • 1 unit AC adapter • 1 unit time-of-flight receptor pad • 1 unit timer switch • 10 pcs. release washers • 50 pcs. release labels for attracting washer to object • 1 pc. small nylon ball • 1 pc. large plastic ball • 1 pcs. golf ball • 1 pc. 5/8 steel ball 	
4	<p>Projectile Launcher Wireless System Software <i>Specification:</i> Range: 0.5, 1, 2 m Launch Angle: 0 to +90° and 0 to -45° Launcher Length: 18 cm</p> <p>Features: Eliminate cables between the computer and the projectile launcher. It connects to the computing device via Bluetooth or USB; it does not require an interface.</p> <p>Includes:</p>	

	<p>1 unit Wireless System Software <i>Specification:</i> Logging: Yes Battery: Rechargeable Lithium-Polymer Connectivity Direct USB or via Bluetooth 4.0. Battery & logging stored data points memory (logging) 1 not supported battery-connected (data collection mode) 2>16 hr (>8 hr with Aux Port, Battery-logging Mode) 3 not supported battery type: LiPo</p> <p>1 unit Mini Launcher 2 steel balls with loading rod 2-D collision accessory 1 unit 45cm stainless steel rod 1 unit aluminum table clamp</p>	
5	<p>Balistic Pendulum with Launcher <i>Features:</i> Repeatable: The three velocity settings on the projectile launcher produce consistent velocities.</p> <p>Accurate: The 0-80 angle measurement scale resolves to 0.50 leading to experimental results within 2.5% of predicted values.</p> <p>Removable Pendulum: Remove the pendulum to determine its mass and center of mass, let it swing freely for rotational inertia calculations, or mount it backwards for elastic collision experiments.</p> <p>Ball and Pendulum Masses: This set includes two 50g pendulum masses, as well as two steel and two plastic balls.</p>	
6	<p>Light, Color & Optics Kit <i>Includes:</i></p> <ul style="list-style-type: none"> • 1 pc. Aluminum track • 3 pcs. Optic mounts • 1 unit rechargeable light source • 1 pc AC adapter/charger • 1 unit refraction tank • 1 unit triangular prism • 1 pc phosphorescent plastic • 1 pc 50mm convex lens-10cm FL • 1 pc 50mm concave lens-20cm FL • 1 pc 50mm concave mirror-25cm FL • 1 pc 50mm convex mirror-25cm FL • 1 pc 50mm screen • 1 pc 50mm diffraction grating • 1 pc eyeglasses 	