

18.Engineering Geology Lab Equipment

SR No	DESCRIPTION OF EQUIPMENT (TECHNICAL DETAILS)
1	2
1	<p>Slake Durability Apparatus</p> <p>Item Description</p> <p>Slake Durability Apparatus</p> <p>Specifications</p> <ul style="list-style-type: none"> - determine the durability of rocks and the probable amount of deterioration of weak rocks over a period of time. - after simulated exposure to nature's continual wetting and drying cycles -consists of a base-mounted, motor-drive unit with two mesh drums are recommended. - drums rotate at a speed of 20 revolutions per minute '-Dimensions: 48" x 14" x 9.25" (1,219 x 355 x 235mm)
2	<p>Geological Hammer</p> <p>Manufacturer Information</p> <p>Specification</p> <p>Estwing Pointed-Tip Rock Pick, 6", 14 oz. Head; 11"L, Blue Grip</p> <p>Blue Grip</p> <p>Forged, one-piece solid steel. Nylon-vinyl grip.</p>

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3	<p>GPS eTrex 30</p> <p>Manufacturer Information</p> <p>Brand Name :Garmin</p> <p>Model Number :eTrex 30</p> <p>Country of Origin :Taiwan</p> <p>Item Description</p> <p>GPS eTrex 30</p> <p>Most Popularr Handheld GPS</p> <ul style="list-style-type: none"> • Worldwide basemap • 2.2" 65K color, sunlight-readable display • 3-axis compass and barometric altimeter • Wireless capability to share waypoints, routes and geocaches with other similar devices I . • GPS and GLONASS satellites for faster positioning
4	<p>Brunton Compass</p> <p>Manufacturer Information</p> <p>Item Description</p> <p>Brunton Compass</p> <p>Features</p> <ol style="list-style-type: none"> 1. Precision compass- Brunton Type Compass 2. Specialized instrument used widely in surveying field 3. With leatherette case

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5	<p>Sound Enclosure for LA Abrasion Machine with Sound Proof (with including Sieve No. 12)</p> <p>Los Angeles Abrasion Machine with Soundproof safety cabinet, ASTM /AASHTO/ EN, Specifications</p> <ul style="list-style-type: none"> - determination of the aggregates resistance to fragmentation, - an electronic control unit and a rolled steel drum having an inside diameter of 711 mm and internal length of 508 mm, - drum is rotated at a speed of 31-33 r.p.m, - machine confirms to ASTM, AASHTO and EN standards, - equipped with an automatic counter, when the preset revolution
6	<p>Hand Lens (10x) size (1.5" Focus) (0.75" Dia Lens)</p> <p>High quality 10X Triplet hand lens, highly corrected for spherical and chromatic aberration. The compound lens is formed from three separate lenses bonded together and provides very distinct images with no color distortion. Small leather case included.</p> <p>Lens diameter is 18mm (11/16"), which is slightly larger than the 10X Hastings Triplet.</p> <p>All metal construction with chrome finish.</p>

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7	<p>Brunton Compass</p> <ul style="list-style-type: none"> • Sapphire jewel bearing • 0-90° scale • 5% grade scale increments • +/-90° vertical angle measurement • +/-180° east/west magnetic declination adjustment • Precision aligned mirror with see-through window • Induction dampened, low center of gravity needle • Short and long azimuth and vertical angle sights • Horizontal and vertical axis bubble levels • Ball and socket tripod mountable
8	<p>30 Meters Measuring Tape</p> <p>-woven fiberglass measuring tape reads metric on one side and imperial on the other.</p>
9	<p>Estwing Geological Hammer</p> <p>Solid America Steel</p> <p>Square striking face</p> <p>Smooth face</p> <p>24 oz. head weight</p> <p>Blue Shock Reduction Grip</p> <p>Made in the U.S.A.</p>

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10	<p>Hardness Pick Set</p> <p>Mineralab Deluxe Hardness Pick Set & Mineral Identification Kit</p> <p>Use this set to test the hardness of minerals for accurate identification under Mohs' hardness scale ranging from 1 to 10. Kit includes four double-ended picks comprising eight points made of various metals and alloys with Mohs' hardness values numbering 2, 3, 4, 5, 6, 7, 8, and 9. Points are large enough to be resharpened. Kit also includes a grinding stone for sharpening; a glass plate with a hardness of 5.5 which, when scratched, quickly determines a hardness range; a streak plate for testing a mineral's streak color; a magnet for testing magnetic rocks such as magnetite and pyrrhotite; and complete instructions. All tools are packaged in an attractive, compact, mahogany-finished woodencase. 2-1/2" x 7" x 2".</p>

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11	<p>Rock and Minerals Sample Set</p> <p>Handle, test & study rock and mineral samples! The Rocks and Minerals Sample Set includes 15 rock specimens and 15 mineral specimens, each measuring about one inch in length.</p> <p>This set has two boxes of specimens: 15 rocks and 15 minerals.</p> <p>While specimens are numbered as a differentiation aid, no identification key is provided. Instead, this set is best for students working to identify the various rock and mineral samples through their course work.</p> <p>With this set, you get the following rock and mineral samples.</p> <p>Rocks</p> <p>Obsidian, Granite, Basalt, Scoria, Rhyolite, Shale, Calcareous Tufa, Sandstone, Conglomerate, Limestone, Slate, Marble, Quartzite, Gneiss, and Schist.</p> <p>Minerals</p>

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12	<p>Garmin GPS MAP 78S</p> <p>Unit dimensions, WxHxD: 6.6 x 15.2 x 3.0 cm</p> <p>Display size, WxH: (4.1 x 5.6 cm)</p> <p>Display resolution, WxH: 160 x 240 pixels</p> <p>Display type: transfective, TFT color 65-K</p> <p>Weight: 7.7 oz (218.3 g) with batteries</p> <p>Battery: 2 AA batteries (not included); NiMH or Lithium recommended</p> <p>Battery life: 20 hours</p> <p>Waterproof: yes (IPX7)</p> <p>Floats: yes</p> <p>High-sensitivity receiver: yes</p> <p>Interface: high-speed USB and NMEA 0183 compatible</p> <p>Basemap</p> <p>Ability to add maps</p>

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	<p>Barometric altimeter</p> <p>Geocaching-friendly</p> <p>Custom maps compatible</p> <p>Photo navigation (navigate to geotagged photos)</p> <p>Hunt / fish calendar</p> <p>Sun and moon information</p> <p>Tide tables</p> <p>Area calculation</p> <p>Custom POIs (ability to add additional points of interest)</p> <p>Unit-to-unit transfer (shares data wirelessly with similar units)</p> <p>Garmin Connect™ compatible (online community where you analyze, categorize and share data)</p> <p>Standard configuration includes:</p> <ul style="list-style-type: none">- Receiver GPSMAP 78s, pre-installed map of Vietnam- USB PC connection cable