<table>
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| BSI Supplied &       | description & quantity       | • teaching tools are installed by BSI after completion of OC construction in the fall  
• requirements for installation in the next column are contractor supplied items to facilitate that installation  
Note: All details to be indicated by LA on plans and in specs as required for contractor work  
Note: Confirm item locations with SY/OC Planning Committee | contractor supplied and installed support  
requires mounting post:  
minimum 9' high;  
6” x 6” timber (or 8” round post)  
reject if twisted or not plumb (typ)  
chamfer/soften all edges (typ) |       |
| Installed Items       | Wind Vane                    | brass directional & copper arrow with added yellow & red paint over bronze, exterior Krylon paint over all copper parts  
(optional add-on:  
3 cup wind spinner) | contractor supplied and installed support  
requires mounting post:  
4' high;  
4"x 4" sq., or round post, or other location as determined |       |
|                       | Rain gauge (2)               | removable / on post support | contractor supplied and installed support  
requires mounting post:  
minimum 9’ high;  
6” x 6” timber (or 8” round post)  
reject if twisted or not plumb (typ)  
chamfer/soften all edges (typ) |       |
|                       | Thermometer set              | one thermometer for each side of pole - N,S,E,W - in order to provide different sun /shade orientations  
may be dispersed on several poles depending on site | contractor supplied and installed support  
requires mounting post:  
may also be on wind vane post, or  
one post of armature support  
minimum post height = 6’  
6” x 6” square timber  
chamfer/soften all edges (typ) |       |
|                       | Thermometer, large round     | low to ground on student planting bed, in shade or on north side, near soil thermometer in view window | BSI will locate on side of planting bed structure |       |
|                       | Sun dial                     | bronze with protective paint as needed  
Note: LA to locate mounting post on plan - locate in place with full unshaded mid-day sun if possible, provide access path or stable surface surround | contractor supplied and installed support  
requires mounting post:  
28” high;  
6” x 6” sq. post,  
or 8” round post.  
reject if twisted or not plumb (typ)  
chamfer/soften all edges (typ) |       |
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| ![Pulley + rope w/ eye, snap rings & hook](image) | Pulley + rope w/ eye, snap rings & hook | (2) pulley for 3/8” rope with clip, and hook (nylon + gal. steel) 20 feet of rope provided | contractor supplied and installed support  
BSI will install attaching to cross bars of armature  
provide two 2” x 8” horizontal bars held between 6” x 6” posts, (or 8” round poles) locate the bottom of horizontals at 6’-9” above ground |
| ![Metal ruler](image) | Metal ruler (with meter & feet)  
Yellow/black painted  
Aluminum | mounted to upright pole or table with SS sq. drive screws (shop drill recessed mounting holes for ss screws) | contractor supplied and installed support  
BSI will locate on side of a work table, on an armature post, or storage structure |
| ![Outdoor Classroom welcome sign](image) | Outdoor Classroom welcome sign | (1) 6” x 18” sign on aluminum blank with UV protection by BSI | contractor supplied and installed support  
mounts on fence near gate, or on a 2”x 8” horizontal as part of entrance gate, or armature structure near the entrance |
| ![White board](image) | White board | (1) 24” x 36” mount horizontal  
round all corners  
aluminum backing with protective surface | contractor supplied and installed support  
requires mounting posts: two 6” x 6” posts, 36” on center, min. 6’ high / or indicate intended location on fence, or wall / Locate to be visible from the main student gathering area |
| ![Site Map](image) | Site Map  
with areas; elements; and indicating selected plants and planted areas | **Note:** 24” x 36” site map sign provided by Landscape Architect (UV protected color print on aluminum backing)  
Note: layout map for logical spatial orientation with consideration of how it will be seen mounted on site | contractor supplied and installed support  
see notes above for mounting whiteboard, or locate on other LA designed support |
| ![Sample materials](image) | Sample materials (mounted to armature structure) | steel, galvanized steel, aluminum, copper, assorted metal fasteners, flush nails and screws | contractor supplied and installed support  
requires one mounting post minimum 6’ high  
6” x 6” square post may be one of the support posts for the armature  
chamfer/soften all edges (typ) |
| ![Soil thermometer](image) | Soil thermometer - installed in root view window | chart soil temperature, compare to air temp.  
http://www.learner.org/north/tm/tulips/SoilTempDigDeep.html | BSI will install in student planting bed within root view window |
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| ![Barometer](image1) | **Barometer** (middle school only) | 9” dia / outside mount on piece of MDO board by BSI | contractor supplied and installed support  
provide minimum 6’ high 6” x 6” sq. post could be one of the support posts for the armature |
| ![Flat rocks](image2) | **Flat rocks** (to lift up and explore insect and worm habitats)  
15-20 required  
disperse along side of pathways in soil | **Note:** Flat rocks to be supplied by contractor not BSI  
hand select small flat rocks that are easy and safe to pick up (size that is comfortable to lift up, not small enough to easily throw)  
8” - 15” across, 2” - 3” thick | **Note:** contractor supplied and installed items  
LA to locate on plan, describe in specs, field locate at finish  
Note: see “Earth’s materials” page for details on rock type variations |
| ![Storage bucket](image3) | **Storage bucket** lg. (+ small bucket) | plastic, 5 gallon - for sand, peat moss, experiments... + quart size | BSI will provide and place in locked storage |
| ![Water hose](image4) | **Water hose** standard type with nozzle | store in outdoor container (keep water key in same container) | BSI will provide and place in locked storage |
| ![Experiment trough](image5) | **Experiment trough** (cement mixing trough) 2’ x 3’ (1) | for soil & water experiments | BSI will provide and place in locked storage |
| ![Storage & experiment bins](image6) | **Storage & experiment bins** w/ lid  
UV stable (2) | waterproof storage for tools, thermometers, books, etc... | BSI will provide and place in locked storage |
| ![Heavy duty brass combo lock](image7) | **Heavy duty brass combo lock** for: gate (2)+ storage (1) | set with the common combination used for all BSI OCs | BSI to provide and install |
| ![Plant tags](image8) | **Plant tags** (set of 50) | blank aluminum to write on NOTE: plant ID by Landscape Architect as needed | BSI will provide and place in locked storage |
| ![Leaf cage](image9) | **Leaf cage** w/ yard stick w/ sign | cylindrical wire frame to hold leaves & plant compost / locate in shade area, with access on at least 3 sides / provide durable surface surround to prevent mud (flat stones, or gravel) | contractor supplied firm surface as needed around leaf cage  
BSI to provide cage & install  
LA to indicate location on plan with committee consultation |
| ![Tools - set of 6, student size](image10) | **Tools** - (set of 6, student size)  
shovel (2)  
leaf rake (2)  
gravel rake (2) | | BSI will provide and place in locked storage |
| ![Watering can](image11) | **Watering can** (1) given to school  
(others provided by school) | Collection of water from downspout or buckets | BSI will provide and place in locked storage |