

## Equipment and Technical Guide for: AY20, AY21, AY22, AY23, AY24 & AY25

| Category  | Item   | Quantity | Required? |
|-----------|--|----------|-----------|
| tool      | 10 ml. graduated cylinder                                | 1S       | yes       |
| tool      | Set of screwdrivers assorted size and type               | 1C       | yes       |
| tool      | 3/8" Socket set with ratchet                             | !c       | yes       |
| tool      | 10 ml. pipette   | 1S       | yes       |
| tool      | 1000ml. flask  | 1S       | yes       |
| tool      | 10ml test tube   | 10S      | yes       |
| tool      | 20 ml test tube  | 10S      | yes       |
| tool      | 200 ml. beaker   | 1S       | yes       |
| tool      | 250 ml. graduated cylinder                               | 1S       | yes       |
| tool      | 5 ml. pipette  | 1S       | yes       |
| tool      | 5 ml. pipette pump                                       | 1S       | yes       |
| tool      | 50 ml. beaker  | 1S       | yes       |
| tool      | Assorted flower pots                                     | 1S       | yes       |
| equipment | Computer with the latest available software and hardware | 1:4S     | yes       |
| tool      | Disks, blank   | 1S       | yes       |
| tool      | Ear plugs  | 1S       | yes       |
| equipment | Dissecting microscope                                    | 1:2S     | yes       |
| equipment | Electric microscope                                      | 1:2S     | yes       |
| equipment | Greenhouse   | 1C       | no        |
| equipment | Germicidal cabinet for safety glass storage              | 1C       | yes       |
| equipment | Hand held GPS  | 1:4S     | yes       |
| tool      | Hand lenses  | 1S       | yes       |
| equipment | Incubator  | 1C       | yes       |
| tool      | Lab jacket   | 1S       | yes       |
| tool      | Light bank   | 1C       | yes       |
| tool      | Magnet   | 1S       | yes       |
| tool      | Magnifying lenses  | 1S       | yes       |
| tool      | Medicine dropper   | 1S       | yes       |
| tool      | Meter stick  | 1S       | yes       |
| tool      | Metric ruler   | 1S       | yes       |
| tool      | Microscope slides  | 10S      | yes       |
| tool      | Mortar and pestle  | 1S       | yes       |
| tool      | Petri dish   | 5S       | yes       |
| equipment | Raised Plant Beds  | 1:4S     | no        |
| equipment | Refrigerator   | 1C       | yes       |
| tool      | Safety glasses/goggles                                   | 1S       | yes       |
| tool      | Safety goggles   | 1S       | yes       |
| tool      | Scale or balance   | 1:2S     | yes       |
| tool      | Scalpel  | 1S       | yes       |
| tool      | Scissors   | 1S       | yes       |
| tool      | Set of assorted markers                                  | 1S       | yes       |
| tool      | Slide cover slips  | 10S      | yes       |
| equipment | Small animal cages                                       | 1C       | no        |
| tool      | Soil Tube  | 1C       | yes       |
| tool      | Sponges  | 1S       | yes       |
| tool      | Stirring rods  | 3S       | yes       |
| tool      | Stopwatch  | 1S       | yes       |
| equipment | Stove/oven   | 1C       | yes       |
| tool      | Test tube rack   | 1S       | yes       |
| tool      | Test tube thermometer                                    | 1S       | yes       |
| tool      | Tweezers or forceps                                      | 1S       | yes       |

Category -

## Equipment and Technical Guide for: AU02 Exploring Agriculture Science

- **equipment** - is a non-expendable, tangible item. It is usually more feasible to repair it rather than replace it with an entirely new unit. It has a unit cost of over \$100.
- **tool** - is an expendable, tangible item. It is usually more feasible to replace it with an entirely new unit rather than repair it. It has a unit cost of less than \$100.
- **curriculum** - is additional curriculum materials.
- **software** - is computer software that is required or can enhance the instruction.
- **training** - is coursework or other professional development for the teacher.
- **subscription** - is for curriculum or supplemental material for a specified period of time.
- **supplemental** - is instructional resources that provide more information about or extend the content of a subject.
- **licensure/certification** - is examinations, license and certification fees for the students.
- **other** - is additional instructional resources.

**Quantity** - is the number of items needed for the (C) CTE classroom/lab, for the (B) school building, for the (L) LEA, or the number needed based on the number of (S) students in the classroom/lab.

In some cases the number is based on the (W) workstations in the classroom/lab. A classroom may be divided into several kitchen workstations or hospital bed workstations. In these cases the number of items is what is needed to equip one workstation. The number of workstations is based on the anticipated number of students taking that course at one time.

Quantity Examples:

- 1S = one of these items for each student in the classroom/lab
- 1S, 1C = one of these items for each student in the classroom/lab and an additional one in the classroom for the teacher
- 1:4S = one item for every four students in the classroom/lab
- 1B = one of these items per school building.
- 1L = one of these items per LEA (school district).
- 2C = two of these items per CTE classroom/lab.
- 3W-kitchen = three of these items per kitchen workstation in the classroom/lab.

**Required?**

- **yes** = This is required to teach the course.
- **no** = This is not required to teach the course.