CBSE Composite Skill Lab: Equipment List

Tick the sectors you'll teach (CBSE recommends at least 3, one from each form of work). Still choosing? Start with our guidelines post: cretile.com/blog/cbse-composite-skill-lab-requirements. CBSE's lists are **suggestive** and sized for a **class of 40**: shared tools mostly in sets of 2–4, personal items (gloves, aprons, caps) one per student in a session. Adjust quantities for your largest class.

School _____ Largest class size _____ Date _____

Agriculture · Living things

Based on CBSE Annexure 1

	Item	Type	Qty needed
	Planting and gardening		
☐	Hand hoes	Buy once	
☐	Hand rakes	Buy once	
☐	Trowels	Buy once	
☐	Shovel / spade	Buy once	
☐	Sickle	Buy once	
☐	Weeding hook (khurpi)	Buy once	
☐	Secateurs	Buy once	
☐	Scissors	Buy once	
☐	Pots and plastic pans	Buy once	
☐	Watering cans	Buy once	
☐	Seeds (e.g. maize, spinach)	Restock yearly	
☐	Nursery bags	Restock yearly	
☐	Cocopeat	Restock yearly	
☐	Gardening gloves	Restock yearly	
	Irrigation and hydroponics		
☐	Drip irrigation unit (main pipe, feeder line, emitters, connectors)	Buy once	
☐	Hydroponic tray	Buy once	
☐	Bucket	Buy once	
☐	PVC pipe	Restock yearly	
	Grafting and propagation		
☐	Budding / grafting knives	Buy once	
☐	Grafting tape	Restock yearly	
☐	Rooting hormone	Restock yearly	
	Compost and fertiliser		
☐	Organic compost	Restock yearly	
☐	Vermicompost	Restock yearly	
☐	Black jaggery (for organic fertiliser)	Restock yearly	
☐	Rice bran	Restock yearly	
☐	Gunny bags	Restock yearly	
	Measuring, testing and protection		
☐	Soil test kit	Buy once	

Agriculture · Living things

Based on CBSE Annexure 1

	Item	Type	Qty needed
☐	Air thermometer and hygrometer	Buy once	
☐	Weighing scale	Buy once	
☐	Measuring tape	Buy once	
☐	Beaker	Buy once	
☐	Spray pumps	Buy once	
	Safety and labelling		
☐	Masks	Restock yearly	
☐	Markers	Restock yearly	
☐	First-aid kit refills	Restock yearly	

Food Production · Living things

Based on CBSE Annexure 1

	Item	Type	Qty needed
	Cooking (not in Cretile's kit: buy locally)		
☐	Single-burner stove (ISI)	Buy once	
☐	Gas lighter	Buy once	
☐	Pressure cooker	Buy once	
☐	Frying pan	Buy once	
☐	Mixer-grinder (ISI)	Buy once	
	Preparation		
☐	Knives	Buy once	
☐	Grater	Buy once	
☐	Peeler	Buy once	
☐	Chikki slicer	Buy once	
☐	Whisk	Buy once	
☐	Sieves	Buy once	
☐	Polpat and belan	Buy once	
☐	Cooking spoons	Buy once	
☐	Tongs	Buy once	
☐	Pot lifter	Buy once	
☐	Food ingredients (bought for each session)	Restock yearly	
	Measuring, storage and serving		
☐	Digital kitchen balance	Buy once	
☐	Measuring cups and spoons	Buy once	
☐	Containers (glass, food-grade plastic, steel)	Buy once	
☐	Plates and bowls	Buy once	
☐	Aluminium foil	Restock yearly	
	Hygiene, cleaning and safety		
☐	Bucket	Buy once	
☐	Dustbin	Buy once	
☐	Dust pan	Buy once	
☐	Cloth aprons	Restock yearly	
☐	Head caps	Restock yearly	

Food Production · Living things

Based on CBSE Annexure 1

	Item	Type	Qty needed
☐	Plastic gloves	Restock yearly	
☐	Dish towels	Restock yearly	
☐	First-aid kit refills (including burn cream)	Restock yearly	

Coding & Robotics · Machines and materials

CBSE: Electronics & Mechatronics

	Item	Type	Qty needed
	Programming, sensing and output		
☐	Microcontroller boards (Arduino UNO-compatible) with expansion shields	Buy once	
☐	ESP32 board (Wi-Fi)	Buy once	
☐	Breadboards	Buy once	
☐	Sensors: temperature/humidity, infrared obstacle, ultrasonic, motion (PIR), gas, soil moisture	Buy once	
☐	DC motors	Buy once	
☐	Servo motors	Buy once	
☐	Water pump	Buy once	
☐	Relay modules	Buy once	
☐	Displays (OLED/LCD, 7-segment)	Buy once	
☐	Buzzers and lights	Buy once	
	Circuit parts		
☐	Jumper wires (M–M, M–F, F–F)	Restock yearly	
☐	LEDs	Restock yearly	
☐	Resistor kit	Restock yearly	
☐	Capacitors	Restock yearly	
☐	Diodes	Restock yearly	
☐	Transistors	Restock yearly	
☐	Potentiometers	Restock yearly	
☐	Toggle switches	Restock yearly	
☐	Berg strips	Restock yearly	
☐	Solderable circuit boards	Restock yearly	
☐	Hook-up wire	Restock yearly	
☐	Coin cells	Restock yearly	
	Soldering and testing		
☐	Digital multimeters	Buy once	
☐	Voltage tester pen	Buy once	
☐	Soldering iron and stand	Buy once	
☐	Desoldering pump	Buy once	
☐	Helping hands	Buy once	
☐	Solder wire	Restock yearly	
☐	Flux	Restock yearly	
☐	Desoldering wick	Restock yearly	
	Building models		
☐	Construction kit for robots and models	Buy once	
☐	Hand-tool set	Buy once	

Coding & Robotics · Machines and materials

CBSE: Electronics & Mechatronics

	Item	Type	Qty needed
☐	Wire strippers	Buy once	
☐	Long-nose pliers	Buy once	
☐	Screwdriver sets	Buy once	
☐	Hand saw	Buy once	
☐	Hot glue gun	Buy once	
☐	Cardboard	Restock yearly	
☐	Chart paper	Restock yearly	
☐	Sandpaper	Restock yearly	
☐	Copper tape	Restock yearly	
☐	Safety masks	Restock yearly	
	Not on CBSE's list, but needed for projects		
☐	Battery packs and clips	Buy once	
☐	Ready-made connecting cables	Buy once	
☐	USB chargers	Buy once	

Retail · Working with people

Based on CBSE Annexure 1

	Item	Type	Qty needed
	Billing		
☐	Handheld barcode scanner	Buy once	
☐	Billing (POS) software with GST billing (needs a computer)	Buy once	
☐	Thermal receipt printer	Buy once	
	Store display, weighing and security		
☐	Double-sided display racks (gondolas)	Buy once	
☐	Storage shelves	Buy once	
☐	Signage boards	Buy once	
☐	Promotional display stand	Buy once	
☐	Dummy product packaging (about 50)	Buy once	
☐	Digital weighing machine (5–30 kg)	Buy once	
☐	CCTV demo camera	Buy once	

Finance · Working with people

CBSE: computers only

	Item	Type	Qty needed
	Money and banking activities (can share the Retail room)		
☐	Play money kits	Buy once	
☐	Finance flashcards	Buy once	
☐	Calculators	Buy once	

Healthcare · Working with people

CBSE list · not supplied by Cretile

	Item	Type	Qty needed
	Vital signs and measurement		
☐	Digital BP monitor	Buy once	

Healthcare · Working with people

CBSE list · not supplied by Cretile

	Item	Type	Qty needed
☐	Digital thermometers	Buy once	
☐	Pulse oximeter	Buy once	
☐	Glucometer	Buy once	
☐	Glucometer strips and lancets	Restock yearly	
☐	Wall-mounted height scale (stature meter)	Buy once	
☐	Weighing scale	Buy once	
	Examination and first aid		
☐	CPR mannequin	Buy once	
☐	Reflex hammer	Buy once	
☐	Hot water bag	Buy once	
☐	Scissors	Buy once	
☐	Towels	Buy once	
☐	Cotton	Restock yearly	
☐	First-aid kit refills	Restock yearly	
☐	Syringes (for demonstration)	Restock yearly	
	Infection control		
☐	Biomedical waste and sharps disposal containers	Buy once	
☐	Disposable protective gowns (PPE kits)	Restock yearly	
☐	Gloves	Restock yearly	
☐	Hand sanitiser	Restock yearly	
☐	Soap and handwash	Restock yearly	
☐	Disinfectant	Restock yearly	
☐	Trash bags	Restock yearly	
	Records and charts		
☐	Posters: handwashing, biomedical waste, BMI, blood sugar, SpO_2, BP, eye chart	Buy once	
☐	Patient record sheets	Restock yearly	

IT/ITeS (machines and materials): no new equipment if your computer lab has at least **20 working computers** (Core i3 11th gen or equivalent, 8 GB RAM, SSD, UPS, headphones with mic). Guidelines p.57.

Not in this list: furniture, storage and safety items for the whole room (work tables, stools, lockable cupboards, pegboards, fire extinguisher, sand buckets), computers, cooking appliances, and building and electrical work. CBSE's sizes for these are in our requirements guide: cretile.com/blog/cbse-composite-skill-lab-requirements

Want this list sized to your school? For Agriculture, Food Production, Coding & Robotics, IT/ITeS, Retail and Finance, Cretile supplies the tools and consumables, a printed teacher guide per sector, a Class 6–10 curriculum and 4 days of online teacher training. We'll connect you with the Cretile partner nearest you: **cretile.com/plan-your-lab**

Based on CBSE's *Guidelines for setting up Composite Skill Lab in Schools* (Annexure 1) and Circular Skill-13/2026 (20.03.2026). "Buy once" and "Restock yearly" are Cretile's planning suggestions. This is a planning aid, not an official CBSE document. Last checked: October 2026.