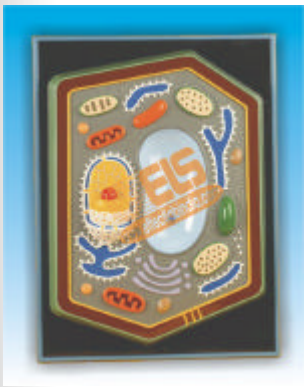
Botanical Models

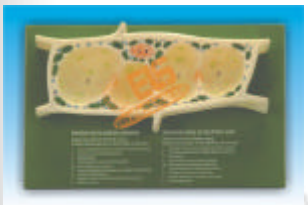


PLANT CELL Typical Structure (ELB.107.401)
Enlarged, showing the typical structure, in one piece mounted on board with Keycard.

PLANT CELL Typical Structure (ELB.107.402)
Enlarged, showing the typical structure, in one piece mounted on base with Keycard.

PLANT CELL Ultra Structure (ELB.107.403)
A highly enlarged model, as seen under electron microscope, a portion of wall is removed to show ectoplast, endoplast, tonoplast, vacuoles, nuclear structure, plastids, mitochondria etc., mounted on board, with key card.

PLANT CELL Ultra Structure (ELB.107.404)
A highly enlarged model, as seen under electron microscope, a portion of wall is removed to show ectoplast, endoplast, tonoplast, vacuoles, nuclear structure, plastids, mitochondria etc., mounted on base, with key card.



PLANT CELL Electron Structure (ELB.107.405)
Enlarged approx. 300 times, showing microscopic structure. In one piece mounted on base with key-card.

TYPICAL FLOWER (ELB.107.406)
Very beautifully designed large size model of a typical flower, all parts detachable, ovary with a single ovule inside, on base, with key card.

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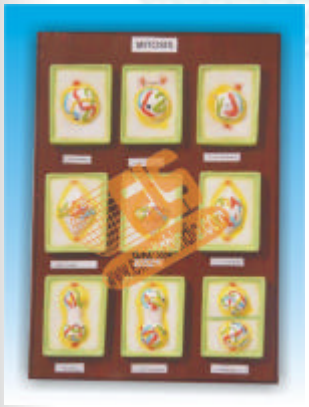
TYPICAL FLOWER Prunus (ELB.107.407)
Approx. 9 times enlarged showing all detachable parts, mounted on base with Keycard.

TYPICAL FLOWER L.S. (ELB.107.408)
All details are depicted for easy identification of students mounted on board with Keycard.



PLANT MITOSIS CELL DIVISION (ELB.107.409)
These models are highly coloured using bright vivid colours so that they can be clearly seen from a distance by the entire class. A set of 10 models showing all the stages of karyokinesis and cytokinesis from metabolic cell to the formation of two daughter nuclei. All stages are mounted on a board, with key card.

PLANT MITOSIS CELL DIVISION (ELB.107.410)
These models are highly coloured using bright vivid colours so that they can be clearly seen from a distance by the entire class. A set of 10 models showing all the stages of karyokinesis and cytokinesis from metabolic cell to the formation of two daughter nuclei. All stages are individual and labelled with key card.

PLANT CELL DIVISION MEIOSIS (ELB.107.411)
set of 15 newly designed models according to the recent concept of chromosome changes from the resting nucleus to the formation of 4 daughter cells, complete set mounted on board, with Keycard.

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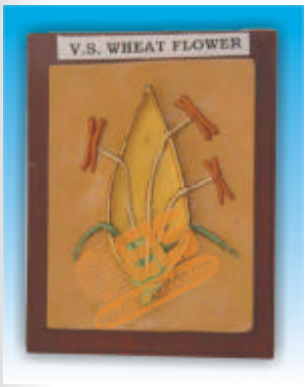


V.S. WHEAT FLOWER (ELB.107.412)
Made of Fibre Glass. Various details shown include :- Flower Petal, Anther, Ovary, Lodicule, Stigma. Mounted on a wooden board.

SPIROGYRA CEL (ELB.107.413)
A detailed instructive model mounted on board, with keycard.

OPEN COLLATERAL CONDUCTING BUNDLE OF A DICOTYLE (ELB.107.414)
Plane enlarged approx. 550 times. in one piece, on base, with key card.

FERTILISATION OF ANGIOSPERMS (ELB.107.415)
Polygynous type, enlarged 300 times, on board with keycard,

ROOT TIP ANATOMY (ELB.107.416)
This model demonstrates the general arrangement of tissues. Root tip is cut transversely, longitudinally, radially and tangentially at different planes from root cap maturation region to make the structural details very clear and the formation of various tissues easily understandable, mounted on stand, with key card.

MONOCOT ROOT T.S. (ELB.107.417)
Showing complete internal details of the root of smilax in transverse section, mounted on board, with key card.

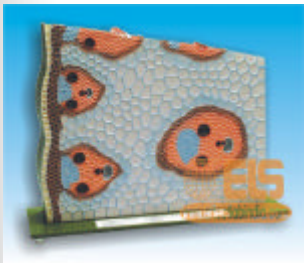
DICOT ROOT T.S. (ELB.107.418)
Showing complete internal anatomy of the young dicotyledonus root, mounted on board, with key card.

ROOT TIP OF FERN (ELB.107.419)
The model shows the pointed growth resulting from an apical cell with the cells which branch out spirally from point of vegetation. Root shown in longitudnal and transverse sections, detachable, with crown of the root removable.

DICOT ROOT TIP T.S. (ELB.107.420)
Showing all internal details as in the transverse section mounted on board. With Keycard.

DICOT ROOT TIP (ELB.107.421)
This three part coloured model shows structure in cross and longitudinal section, it includes a mature region, a region of maturation and growth of the root tip with root cap. Mounted on board a three dimensional model with Keycard.

L.S. OF ROOT APEX (ELB.107.422)
Showing epiblems, cortex, endodermis, pericycyle, phloem etc. with root cap, mounted on board with Keycard.



MONOCOT STEM ANATOMY T.S & L.S COMBINED (ELB.107.423)
This model exhibits the various tissues and the scattered, closed and collateral vascular bundles in transverse and longitudinal sections in maize. The large pitted vessels, spiral and annular vessels show the cell wall thickenings in L.S. Useful model for teaching anatomy of monocot stem. Mounted on base, with keycard.

MONOCOT STEM T.S & L.S COMBINED (ELB.107.424)
Showing section and all vascular bundles details, mounted on board with keycard.

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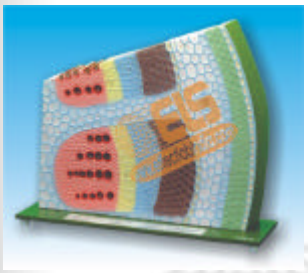
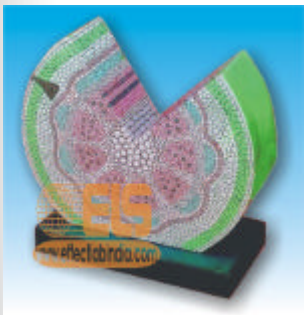
DICOT STEM ANATOMY T. S. & L. S. COMBINED (ELB.107.425)
This model shows the transverse and longitudinal section of a dicotyledonous stem in which case the cambium ring has been formed but no secondary growth has yet taken place. Useful model for study of epidermis, lentice, cork layer, cork cambium, cortical parenchyme, starch sheath, medullary rays, phloem, sieve plate, sieve tube, phloem parenchyma and inter fasicular cambium. xylem, pitted vessels, bordered pitted vessels, annular vessels, spiral vessels, pith etc. Mounted on base, with key card.



DICOT STEM T. S. & L. S. (ELB.107.426)
Showing secondary growth and other important. Mounted on base with Keycard.

DICOT STEM L.S. and T. S. (ELB.107.427)
Showing various tissues, vascular bundles in transverse section of a dicot stem of sunflower, Mounted on board with Keycard.



DICOT STEM HERBACEOUS (ELB.107.428)
Showing cellular structure both in cross and longitudinal section Mounted on base with Keycard.

DICOT PLANT STEM T.S. (ELB.107.429)
Cross section of the tissue structure of a garden bean's dicot stem (phaseolus vulgaris),magnified 250 times.

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MONOCOT STEM T. S. (Maize) (ELB.107.430)
Showing various tissues, vascular bundles in transverse section of a monocot stem of maize, on board, with key card.

MONOCOT STEM CORN (ELB.107.431)
Demonstrating the general monocot cells and tissue types in several aspects mounted on base with keycard.

LEAF ANATOMY (ELB.107.432)
A 3-dimensional model of leaf showing detailed structure of transverse section and longitudinal section. A large size model on stand, with key card.

ISOBILATERAL LEAF (ELB.107.433)
Showing the details of transverse section of leaf, mounted on board, with key card.

MONOCOT LEAF T.S. (ELB.107.434)
Showing details of internal structure of a typical monocot leaf, mounted on board, with key card.

DICOT LEAF T.S. (ELB.107.435)
Showing details of typical mesophytic leaf, mounted on board, with key card.

LEAF STOMATA (ELB.107.436)
Showing Stomata cells, mounted on board, with key card.

EPIGEAL GERMINATION BEAN (ELB.107.437)
Made of Fibre Glass. Various details shown include, Seed, First stage Germination, Second stage, Third stage and Fourth Stage. Mounted on a wooden board.

FERTILIZATION OF FLOWER (ELB.107.438)
Made of Fibre Glass. Various details shown include :- Stigma, Germinating Pollen Grain, Style, Pollen tube, Integuments and Embryo sac. Mounted on a wooden board.