Email : sales@scilabexport.com
Phone: +91-7082934803

Product Name :

Microscience Work Station, Biology, Physics and Chemistry

Product Code :

SLE/CH/154



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Phone: +91-7082934803

Description :

Microscience Work Station, Biology, Physics and Chemistry (Product Code: SLE/CH/154) is a Microscience workstation that brings biology, chemistry and physics practicals together in one kit and encompasses a large proportion of the Year 10 (Key Stages 3 & 4) practical curriculum. It is designed for individual use or for small groups, which lets a science department give every student hands-on practical time instead of watching a single teacher demonstration.Manufactured by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India, it is apractical STEM science kit in India for secondary-school laboratories that need one systemacross three subjects.

Specifications

Parameter	Detail
Type	Microscience kit / work station
Subjects covered	Biology, Chemistry and Physics
Curriculum coverage	A large proportion of the Year 10 (Key Stages 3 & 4) practical curriculum
Mode of use	Individual use or small groups
Worksheets	Curriculum-based worksheets written for students; can be linked to AQA, IB, OCR, Edexcel, WJEC, SEB, IEB and CIE schemes
Workbooks and guides	Available to complement the work station; must be ordered separately

Topics that may be covered with this work station include:

- Materials and their properties – separating mixtures
- Acids and bases
- Materials and their properties – useful products from oil
- Materials and their properties – rates of reaction
- Materials and their properties – the periodic table
- Materials and their properties – useful products from air
- Materials and their properties – energy transfer in reactions
- Materials and their properties – useful products from ores and rocks
- Patterns of behaviour – metal
- Chemical equilibrium
- Organic chemistry
- Miscellaneous experiments – many more can be performed

Typical Use

A typical lesson starts with the teacher issuing one work station per student or per small group, together with the worksheet for the day's topic – for example separating a mixture, comparing rates of reaction or following an acid–base change. Students work through the steps on the sheet, record their observations and answer the questions, while the teacher moves between groups. Because the same kit serves several topics, a department can run a sequence of practicals across the term without setting up different apparatus for each one.

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