



Educational Laboratory Furniture

// OUR APPROACH

// 'DEMONSTRATE'

// 'INVESTIGATE'

// 'INNOVATE'

// SERVICE OPTIONS

// STORAGE OPTIONS

// FUME CUPBOARDS

// 'TURNKEY' INSTALLATIONS

The Concept

Marson has been serving the educational field for over 100 years. Our approach to laboratory furniture is to offer a quality product of the highest standard that will provide a durable teaching environment for many years to come.

Our schools range offers the choice of our semi-mobile 'Demonstrate' and fixed 'Investigate' laboratory furniture solutions, both of which can be fully adapted to suit the particular requirements of the user and the classroom space.

We also offer a range of laboratory furniture ideally suited for use in Tertiary education. Our 'Innovate' range builds on our experience in industrial furniture and can be configured to suit any teaching or research based application.

These furniture systems are complemented by a full range of storage options, laboratory sinks, water and gas taps, and are available in a range of colour themes enabling you to choose your perfect working environment.



Our Approach

At Marson we realise the importance of your new laboratory. By adopting a hands-on approach to your project, we can guide you through every step of the process, from inception to final hand-over.

Upon receipt of your initial enquiry, your experienced project manager will perform a no-obligation site visit to discuss your requirements further, explaining the merits of the different laboratory furniture systems we have to offer. Following our site visit, we submit a detailed quotation and CAD layout plan fully illustrating our proposal for your new laboratory. This ensures you know exactly what you will be receiving for a fixed lump sum price.

On embarking on your project, your project manager will continue to develop your scheme, finalising the design and finishes for your laboratory. At Marson we understand the importance of both deadline and cost. Your project will be given an agreed start and end date to ensure that there are no disruptive delays. Any changes to the specification or scope of the project during the design period will be costed as a clear set of additional or omitted costs to ensure complete financial transparency.

On the successful completion of your laboratory, your project manager will perform a detailed hand-over walk through of your new facility, to ensure that you are 100% satisfied with the end result.

We also offer full 'Turn-Key' solutions, including flooring, plumbing, electrical installation, ceilings, lighting, builders work and decorations... all the services to turn your ideas into reality.

For a summary of our latest projects and installations, please check our website:
www.wemarson.co.uk/educationprojects





Key Features

- 1 Loose laboratory grade pupil benches to promote flexibility.
- 2 The range provides a comprehensive range of storage solutions.
- 3 Service outlets are grouped to the perimeter benches and areas of the laboratory designated for practical work.
- 4 Gas and electrical services are provided by angled trunking boxes and bench mounted gas outlets.
- 5 Pupil benches set out for group work.
- 6 An optional ceiling pod can be provided to supply services to a centrally located mobile teacher bench, providing the ultimate degree of flexibility.
- 7 Pupil practical area providing serviced workspace and laboratory storage.



‘Demonstrate’ range of Laboratory furniture

Our ‘Demonstrate’ range of educational laboratory furniture is ideally suited for the teaching environment with a low demand for gas, electrical and water services to the pupil benches. This system provides a flexible teaching environment, with loose laboratory grade pupil benches facing forward to an enlarged fixed teacher bench which contains gas, electrical and water services for teacher demonstrations. For pupil practical work, a combination of perimeter wall benches and/or a rear pupil practical area can be adopted. These perimeter wall benches contain bench mounted service outlets and sinks as well as providing areas for under bench and wall mounted storage units.

As an option which further enhances flexibility, we can also provide floor mounted service turret units, thus allowing services to be provided to the pupils by configuring the loose pupil benches around these units.

The ultimate flexible development to this range is a mobile teacher bench which can be wheeled into the centre of the classroom and serviced with gas, electrical and data supplied from a ceiling mounted service pod. This optional arrangement provides a flexible and interactive environment for teacher practical demonstrations.

The advantage of the ‘Demonstrate’ range of furniture is that costly service provision is kept to a minimum and mainly grouped to the perimeter walls where it is the most economic to supply. This range also allows a great degree of flexibility within the class room, as loose tables can be cleared away to provide a clear floor area or positioned into larger islands benches for group work.

Your project manager will be happy to discuss the various options of our ‘Demonstrate’ range of laboratory furniture and how it can be best utilised within the constraints of your classroom space.





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Key Features

- 1 Fixed pupil bench, showing provision of bench mounted services.
- 2 Fixed pupil bench, showing under bench storage zone.
- 3 Enlarged teacher demonstration bench.
- 4 Safety station grouping all laboratory safety features into a single unit.

‘Investigate’ range of Laboratory furniture

Our ‘Investigate’ range of educational laboratory furniture is designed for the teaching environment with a high demand for gas, electrical and water services to the pupil benches. The pupil benches are fixed and provided with bench mounted service outlets and sinks, allowing practical work to be carried out by the pupils as individuals or in small groups while observing the teacher demonstration at the front of the classroom.

The fixed pupil benches are cleverly designed with the supporting storage unit providing both a top service void allowing for all service runs and a storage zone below. This

storage zone can be specified with either adjustable shelving or pull-out tray units, providing a useful additional area for laboratory storage. The pupil side of the bench has a knee-hole void for the seated pupils or for storage of laboratory stools when the classroom is not in use.

The ‘Investigate’ range of furniture also features an oversized teacher demonstration bench located at the front of the classroom, with service provision and storage for teacher equipment. The advantage of this range of furniture is that it provides a fully serviced laboratory environment, while also allowing extensive additional areas of laboratory storage.

Increasingly popular is the inclusion of an optional ‘safety station’. These are located by the classroom entrance and group all laboratory safety features into a single unit, including a wash hand basin with lever action tap, emergency eye wash (as either a mains plumbed trigger operated unit or a disposable eyewash pack), fire extinguisher and fire blanket. The specification of these items can be tailored to your particular requirements.



‘Innovate’ range of Laboratory furniture

Our ‘Innovate’ range of Tertiary educational laboratory furniture is designed for college and university applications. Marson’s are a UK leader in the provision of laboratory furniture to the pharmaceutical and research industry. This range of furniture is built upon our unparalleled experience in providing laboratory furniture solutions to industry. The byword of our approach to the ‘Innovate’ range is flexibility.

This flexibility allows us to use a wide variety of designs, materials, tailor-made storage solutions and service supplies which our experienced project managers will develop through one-to-one discussions with the end users, to provide the

perfect solution to your laboratory requirements. Detailed plans and elevations of our proposals are an essential tool in providing your tailor-made laboratory.

Please contact us to arrange a site visit.

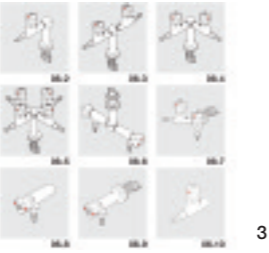
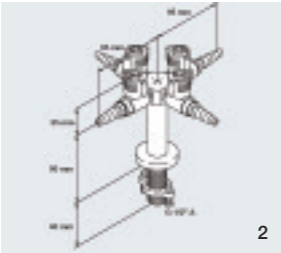
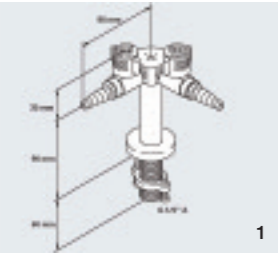
Work surface Options

We offer work surfaces in 16mm Trespa Athlon solid grade laminate. This surface provides an economical and chemical resistant solution to educational laboratories. In addition, optional epoxy, Corian or stainless steel work surfaces can be

specified to meet the most demanding of university applications. Your project manager will be happy to discuss the benefits of each surface and provide the perfect match for your particular requirements.

Gas Service outlet options

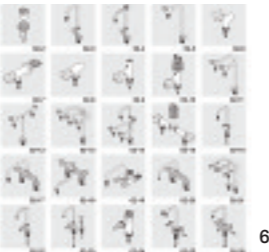
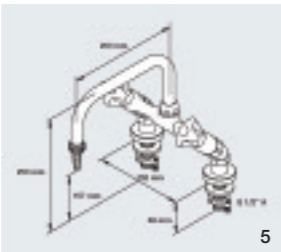
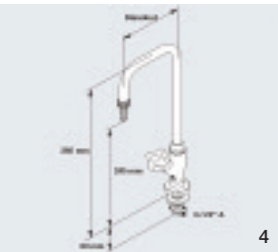
We offer the following standard range of robust fittings or we can supply a full range to suit your requirements:



- 1 Schools double bench mounted gas tap.
- 2 Schools quad bench mounted gas tap.
- 3 Full range available to suit your requirements.

Water Service outlet options

We offer the following standard range of robust fittings or we can supply a full range to match your requirements:



- 4 Schools single bench mounted water outlet (hot or cold).
- 5 Schools bench mounted mixer water outlet.
- 6 Full range available to suit your requirements.

Wash-up Sink options

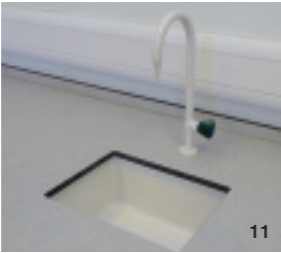
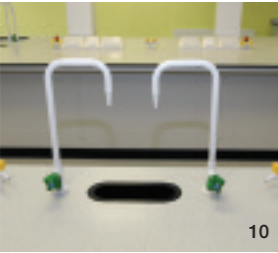
Chose from a range of stainless steel, epoxy and vitreous china sinks:



- 7 304 grade handwash or 316 grade reagent wash-up sinks, with optional drainer.
- 8 Solid cast epoxy wash up sink, with optional drainer.
- 9 Belfast type vitreous china sinks with optional routed drainer grooves.

Pupil Sink options

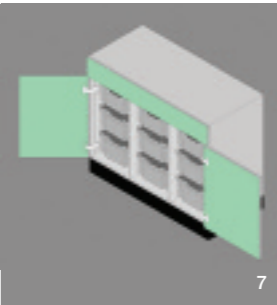
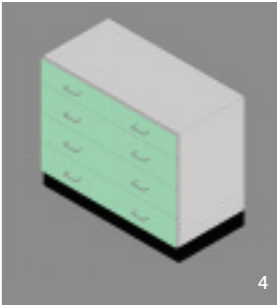
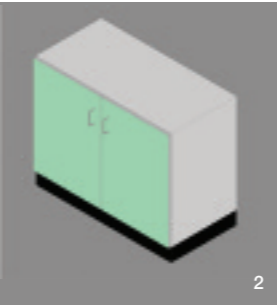
A range of smaller sinks which enables the pupils to have a localised source of water and waste without compromising bench space:



- 10 Large oval chemically resistant vulcathene drip cup.
- 11 Small Belfast type vitreous china sinks.

Under bench storage unit options

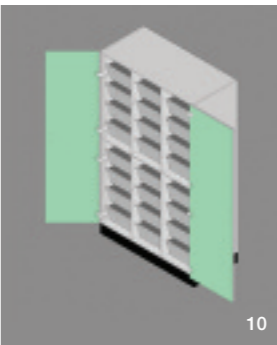
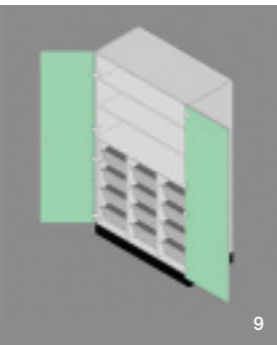
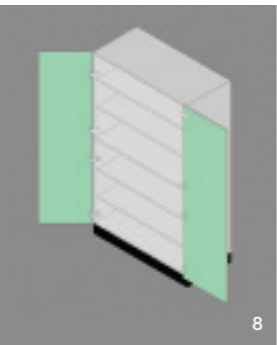
We provide a range of cupboard, drawer or tray unit under bench storage units:



- 1 Single cupboard unit with adjustable shelf, type S602A
- 2 Double cupboard unit with adjustable shelf, type S605
- 3 Single 4 drawer unit, type S603
- 4 Double 4 drawer unit, type S604
- 5 Single tray unit with shallow, medium or deep trays, type S610S
- 6 Double tray unit with shallow, medium or deep trays, type S610D
- 7 Triple tray unit with shallow, medium or deep trays, type S610T

Tall storage unit options

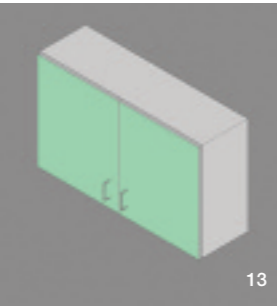
Choose from the following tall storage units:



- 8 Double Floor mounted tall cupboard unit, with 4 No. adjustable shelves, supplied with lockable doors, type TSU
- 9 Double Floor mounted tall cupboard unit, supplied with triple tray unit to bottom section and 2 No. adjustable shelves to top section, supplied with lockable doors, type LSU
- 10 Double Floor mounted tall cupboard unit, supplied with triple tray unit to bottom and top section, supplied with lockable doors, type LSUT

Wall mounted storage options

Choose from the following wall mounted storage options:



- 11 Wall mounted shelving fitted to adjustable spur system, with number of shelves to suit your requirements
- 12 Wall mounted display cupboard with toughened glass sliding doors, type S703
- 13 Wall mounted storage cupboard with pair of solid opening doors, type S704



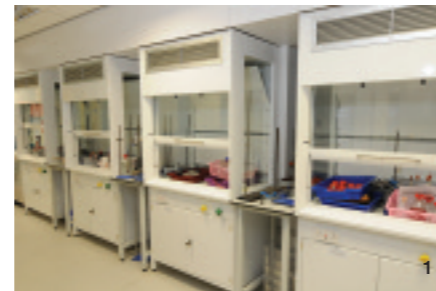
Educational fume cupboards – ducted

We offer both fixed and semi-mobile schools/ university grade ducted fume cupboards. The fume cupboards comply with the requirements and recommendations of Design Note 29, Building Bulletin 88 and CLEAPSS and are designed primarily for use in Schools and Colleges. We recommend a yearly check-up to be scheduled to ensure fume cupboard face velocities are achieved.

1 Fixed fume cupboard: The fume cupboard is fixed in position and is extracted to atmosphere by pvc ductwork and a remote fan unit, this ensuring all harmful fumes are extracted from the laboratory. Extraction of the work area enables a larger range of chemicals to be used in the fume cupboard and avoids the need for ongoing maintenance costs for replacement filters. Glazed side panels ensures increased visibility for demonstrations and is fitted as standard with a gas tap, water tap, drip cup, double electrical socket and control panel.

2 Semi-mobile fume cupboard: Constructed generally as the fixed ducted fume cupboard model but designed to be movable by up to 2 metres from its designed laboratory position via castors and specially extended flexible service connections.

In addition, we can supply a full industrial specification ducted fume cupboard for university use which can be specifically tailored to suit the service and construction requirements of the user. Your project manager will be happy to discuss your requirements and produce full detailed drawings.



Educational fume cupboards – re-circulating

By partnering with established industry leaders, Marson offer a range of air re-circulating fume cupboards. These are designed for front of class demonstrations as well as pupil experiments. Both type benefit from an activated carbon filter with a typical life span of 12 -18 months depending upon use.

3 Our Demonstration re-circulation fume cupboard benefits from both 360 degree visibility and full mobility (depending upon services required). It is available as a simple mobile demonstration unit or full serviced with gas , water and waste connections.

Our Filtration range of fume cupboards offer a more robust environment for A-level and university applications. These are also available as mobile units or full serviced with gas, water and waste connections.

Please ask your project manager for a brochure with further details of these types of fume cupboards.



‘Turnkey’ Installations

As well as Laboratory furniture installations, we can also offer a complete 'Turn-key' service, which can either transform an existing classroom into a fully functioning science laboratory or completely refurbish an existing science laboratory. This service provides our clients with a single point of contact for their project as we manage and programme all the various trades required to complete the installation.

Our service packages include full CDM and Health and Safety planning and supervision, site management, mechanical services installation, electrical services installation, building alterations, flooring, fume cupboards, air handling and extraction and decorations.

Our project managers will advise on the practicality of designs and compliance with current legislation.

Please feel free to contact us to discuss your requirements.





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