



*Sewing Machines
- An Educational Guide*

Teaching textiles

With the increasing popularity of design and textiles, it is important that schools are equipped with the latest technology to aid the education of pupils in this area.

A school sewing machine should be easy to operate, suitable for a range of pupils at different age levels and specific to the course requirements.

To make it easier to choose the right one, sewing machine specialist Brother introduces its wide range of machines and explains how they fit into the curriculum.

To find your local sewing machine dealer, go to www.brothersewing.eu

All Brother machines come with a three year warranty.

For more information on Brother sewing machines please call 08444 999 444 or (+44 8444 999 444 from the Republic of Ireland) between 08.45am to 5.30pm or visit www.brothersewing.eu

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As an early introduction to sewing, this range of machines is great for teaching simple sewing techniques like experimenting with built-in stitch types and varying width controls.

All Innov-is models include a start-stop button and variable speed controls on the body of the machine so pupils don't have to worry about working the foot pedal.

This range of machines is ideal for key stage three textile pupils.

Innov-is 10

The Innov-is 10 sewing machine is designed for teaching sewing at a very basic level.

The 'jog dial' makes it very simple for pupils to select stitches quickly, and needle threading is made easier thanks to the built-in needle threader.

The 16 built-in stitches, including zigzag and appliqué, mean a wide variety of projects can be completed and the back-lit LCD screen with digital stitch length and width controls makes this machine incredibly simple to learn.



Innov-is 750

The Innov-is 750 is a dedicated embroidery machine ideal for giving pupils the chance to customise their class projects.

It features 136 embroidery patterns to choose from, with six different styles of lettering, as well as an automatic thread cutter and needle threader.

The machine is also compatible with Brother's PE Design Next software to give tech-savvy pupils the chance to create a project from scratch on a range of different PC graphic formats that can easily be transferred to the sewing machine via the USB port.



Innov-is 30

The Innov-is 30 sewing machine is a good tool for teaching pupils at an early stage in textiles how different stitches can be made.

The electronic 'jog dial' provides finger tip control to choose from 70 stitch patterns, including seven buttonholes.

The LCD screen and electronically controlled functions also enable pupils to control stitch size in a more precise and simple way.



Innov-is 50

The Innov-is 50 sewing machine is ideal for more creative beginner projects that require a wider variety of stitches.

The machine includes 135 built-in stitches, including 10 buttonhole styles, all of which can be selected easily on the key pad.

To allow pupils more control over their projects, they are also able to create personalised stitch patterns by combining up to 30 different stitches.



Textile, fashion & quilting

Key stage 3-4
& Advanced
11-16yrs +

As pupils become familiar with the basic sewing techniques, they need a machine that can grow with their abilities.

Ease of use and automatic features are essential for pupils to create quality projects they will be proud of in the allocated class time.

Each of these machines also include built-in lettering so pupils can include decorative letters, names and labels on individual projects.

This range of machines is ideal for key stage three to four textile pupils as well as advanced fashion and textile students.

Innov-is 350 SE

The Innov-is 350 SE is a special edition computerised sewing machine that can be used to create intricate projects quickly and simply.

Featuring 294 utility and decorative stitches, including 3 styles of lettering and 10 button hole designs.

The Innov-is 350SE is ideally suited for textile and fashion students who need a great all round machine, one that will handle everything from simple sewing tasks through to intricate quilting and art pieces.



Innov-is QC 1000

The QC 1000 is the ideal machine for teaching quilting to more advanced pupils.

The new pivot function gives pupils precise control when turning corners and the Continuous Automatic Pressure Sensor (ICAPS) continually detects a fabric's thickness and adjusts foot pressure for precise stitching throughout a project.

It also features 517 built-in stitches, 1000-stitches-per-minute sewing speed and automatic thread cutter, needle threader and bobbin winder.



Innov-is 600

The Innov-is 600 is a computerised sewing machine for advanced quilters with features that maximise efficiency.

The easy-to-use back-lit LCD screen, twin needle sewing and automatic thread trimming features make this machine easy to control and develop pattern ideas.

It also features 429 built-in stitches, ten styles of one-step automatic buttonhole and a seven-point feed dog.



Creative embroidery & fashion

Key stage 3-4
& Advanced
11-16yrs +

Each of these embroidery and fashion machines include built-in lettering and embroidery fonts so pupils can personalise their work.

Innov-is 4000

The Innov-is 4000 is a dedicated sewing and embroidery machine that can be used to create intricate projects.

The machine has a high speed of 1000 stitches-per-minute and a large work area allowing pupils to create bigger projects in a short space of time.

It also features over 1200 stitch types, 282 built-in embroidery designs and automatic thread cutter, needle threader and bobbin winder.



Innov-is 1250

The Innov-is 1250 machine is perfectly suited for fashion and textile students creating advanced projects.

The large sewing area and built-in knee lift mean pupils have full control over the fabric at all times.

It also features a USB port to quickly and easily transfer additional embroidery designs via USB stick whilst the back-lit LCD screen allows pupils to customise the layout of a project.



Innov-is I

The Brother Innovis-I is the ideal machine for teaching a wide range of textiles to more advanced pupils.

The four in one sewing, embroidery, quilting and craft machine features a large working space for big projects, 441 embroidery patterns and over 1800 built-in stitches.

The Print and Stitch capabilities also mean that pupils can design their own image to iron onto fabric and embroider directly over for more personalised projects.



Innov-is 1500

The Innov-is 1500 allows pupils to create fast and accurate embroidery projects.

The machine features a large embroidery area enabling pupils to create bigger, more intricate projects as well as an import/export option so patterns can be downloaded via a PC for advanced design work.

It also features a 1000 stitch-per-minute sewing speed for efficient project making as well as 900 built-in stitches with three styles of lettering and 72 built-in embroidery designs.



Multi needle embroidery

Advanced
16yrs+

Brother has launched two machines to help future-proof the textile subject area and develop high level skills in pupils at an advanced stage of learning.

Not only do the machines save time, allowing teachers to demonstrate work easily to the whole class, they can be linked to the school's wider enterprise activities.

PR-1000

As pupils advance, the 10 needle PR-1000 is the ideal machine for mass project work and fashion subjects.

A thread stand with LED guide-lights helps users to thread the correct colours onto the right spools. Once the pattern has been loaded, each of the machine's 10 thread spools is illuminated by an LED, telling you which colour threads to put where.

An impressive array of optional accessories can be fitted to the new PR 1000 – including jumbo, extra wide cap, round, quilt and border frames – making it adaptable to a wide range of uses. Needles can be anchored at independent speed limits and there's also an auto/manual colour sequence function.

The PR 1000 comes complete with attachable support table, which helps to support extra large projects, such as blankets or jackets.

The machine is supplied with 110 built-in designs and 28 fonts, and is also compatible with Brother's new embroidery design software, PE Design Next, giving users even more potential for creativity.



PR-650

The six needle PR-650 is engineered to deliver professional results in a compact, easy-to-use package.

The features are designed to allow pupils to embroider onto a wide variety of items with logos, school names, monograms and much more – ideal for school Enterprise projects.

With the new optional cylinder frame, it's easier than ever to add embroidery to shirt sleeves and trousers, plus the optional flat frame makes framing simple when using thicker fabrics.

It also features a high definition LCD touch screen, capacity for six needle embroidery and a large work area.



Design software

GCSE &
Advanced
14-16yrs+

Brother also offers a range of additional software that meets with GCSE specifications for textiles and CAD/CAM.

Purchasing the software in bulk also enables whole groups to be taught CAD/CAM skills in embroidery.

PE Design Lite

The PE Design Lite software is specifically designed to personalise embroidery projects at a beginner level.

The machine features 35 built-in font styles to add lettering to projects and its easy to use preview and stitch simulator allows pupils to play around with designs on screen before moving onto the sewing machine.

The PE Design Lite software also includes a scanning feature where pupils can scan in hand drawn images and turn them into embroidery data.

It is compatible with all Brother embroidery machines and supports larger embroidery designs.



PE Design Next software

Ideal for GCSE and advanced students, the PE Design Next software converts existing PC images to stitch data automatically and means students can personalise their work with different styles of lettering. The software can also be used to develop CAD/CAM skills in embroidery.

The all-in-one toolbar allows all of the features to be available instantly meaning pupils can change thread colours, fonts and add motifs quickly and easily.

It also enables pupils to convert photographs into embroidery data, preview patterns on screen before they begin to stitch and automatically change size and position on screen using the wizard before they commit anything to fabric.



Accessories

Brother also has a range of accessories to lend a helping hand to pupils whilst creating their unique projects.

Quilting foot

Ideal for darning, quilting or free-motion stitching. The foot raises and lowers with the needle to allow fabric to be moved while stitching.

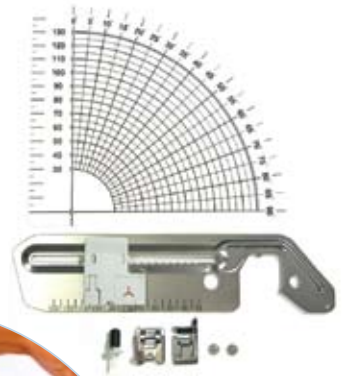


Circular Attachment Kit

This kit allows pupils to create precise circles with radii ranging from 30mm to 130mm. It is an excellent tool for creating circles with straight, zigzag, embellishing and other decorative stitch types.

The kit also includes a template so students can match the first stitch to the last for perfect circles every time.

The kit is compatible with Innov-is I, Innov-is 1500 and 4000 series, QC 1000, and Innov-is 10, 30 and 50 series.



Bobbin work kit

The bobbin work kit allows pupils to add impressive stitching to their projects.

It can be used to create reverse "upside down" sewing with speciality threads that will not fit through the eye of the needle to create raised 3D stitches.

The kit includes an adjustable bobbin case and a bobbin cover for speciality threads and ribbons. It also includes a disk with 20 design templates.

