

Good things need time....

WELCOME

On behalf of the entire team here at Scorpio Technology, welcome to your first Newsletter for 2018. We hope you had a good break and are ready for a great year.

The Summer holidays was a busy time at Scorpio. We have now moved into larger premises with office space and warehousing facilities.

New address:

Unit 1 / 31 Dalgety Street
Oakleigh Vic 3166

Contact details remain the same.

What's new?

Our new premises were formerly occupied by **Education Matters**. We have purchased some of their stock to include the areas of *PHYSICS* and even *PRIMARY SCHOOL SCIENCE (Biology, Physics) & TECHNOLOGY*. These will be added to our catalogues over the course of the year.

We have a broad selection of kits and items including **K'NEX**, **Clip Circuits**, **Snap Circuits** and **KidzLabs** kits. These are great for Design and Technology especially if you are looking for reusable and no-soldering projects

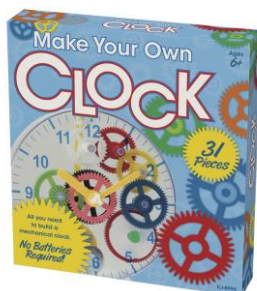
Note: These new items are in addition to our current range and will not replace it.

For the Primary sector we are now stocking the "**Make Your Own Clock**" kit.

Product Description:

This is a stimulating, educational working clock that is easy to assemble.

- Clock operates mechanically using a spring



and gears. No batteries are required.

- Learn how clocks are made, how gear wheels work and how the swinging pendulum keeps accuracy.
- Full instructions included, 31 pieces
- Diameter: 19.5cm



Suitable for Ages 6+
Code: KJ8996,
Price: \$14.95 (incl. GST)

Website - Our website has even more catalogues. These include more of your Design & Technology, STE(A)M needs and Whiteboard supplies. So please check our website regularly for updates. More products will be posted throughout the year.

In the meantime, please feel free to contact us about any of our stock – if we can procure and supply your needs, we will do so.

D & T EVENTS 2018

Scorpio plans to participate in many teacher conferences around Australia. We hope that you come past to have a chat and to check out our great range. The next event is:

Saturday 17th March

DATTA VIC: Build Your Own Infrared, Remote-Controlled STEAM Model workshop. (Scorpio kits will be used).
Presenter: Pat McMahon

Diamond Valley College
165-179 Main Hurstbridge Rd, Diamond Creek
<http://www.datta.vic.edu.au/content/build-your-own-infrared-remote-controlled-steam-model-pl1811>



SCORPIO TECHNOLOGY Vic Pty Ltd
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Making time

Over 30 years have passed since Scorpio Technology was approached by a woodwork teacher to source clock movements and hands.

Clock making at that stage mainly used plans made by the teacher. Students had little opportunity for creativity, innovation, problem solving, communication or teamwork.

Modern clocks have changed. The trend is for a clocks to make a statement of style, flare and fashion. They have become a piece of art that suits the users personality or area where it will be displayed.

Clock making in the classroom really has stood the test of time.

The design process



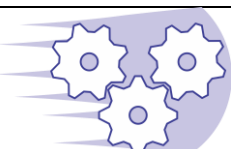
As with any Design and Technology project a great design brief is important so that the student can focus on the needs of the end user.

The exciting part of clock making is the planning stage. This is when the clock comes to life. This stage

determines the outcome. We suggest that the student made rough sketches which then can be refined until the final design is ready.

DESIGN CONSIDERATIONS

LOCATION	<ul style="list-style-type: none"> Determine where the clock will be used e.g. bedroom, living room, office, kitchen Choose an area where it will be seen from most places in the room.
MATERIALS	<ul style="list-style-type: none"> Timber Plastic Metal Glass Ceramics Textiles Reused, repurposed Sustainable Combination of materials
DESIGN & STYLE	<ul style="list-style-type: none"> Period styles e.g. Art Deco, Memphis, Modern, Shaker, Pop-Art inspired, Industrial, Retro, Minimalistic Style types e.g. elegant, rustic, freeform, geometric, sculptured, fun or whimsical. Personalised - hobby or interest Traditional e.g. Grandfather, Carriage, Mantel, Pendulum, Classic Insert clock, pendulum style, individual movement and clock hands
DESIGN FACTORS	<ul style="list-style-type: none"> Colour Free standing or wall mounted Safety Shape Size and dimensions Surface finish e.g. distressed Texture Will it complement the surroundings? With or without numerals
TOOLS AND EQUIPMENT	<p>The equipment to be used or is available may impact the design.</p> <ul style="list-style-type: none"> Woodworking tools 3D printers Laser cutters Computer Aided Design (CAD) and or Manufacture (CAM) Blow moulders



SKILLS

- Does the student have the skill level appropriate design they have chosen?

RESEARCH FOR INSPIRATION

There is a huge selection of clocks available on the market. This makes it easy to find examples of clock styles and material use.

ART DECO

Art Deco inspired items has made a resurgence. This style can be achieved by



using different wood types. Most Art Deco clocks use an insert clock rather than separate movement and hands.

This Deco-Desktop clock is handmade with a trio of African woods by John and Mark Schlabaugh (Iowa, USA)

INLAID TIMBER

By combining different kinds of timbers and/or other materials and different finishing techniques an elegant clock can be created.



<http://www.artimondo.co.uk/wooden-wall-clock-with-an-exclusive-design-essential.html>

GLASS & ACRYLIC CLOCKS

Clocks made glass and acrylic use different skills and manufacturing methods. They often allow different styles.



This glass clock is made by Darryl's Glass - Studio & Gallery in Sandford, Victoria.

3D PRINTED AND LASER CUT

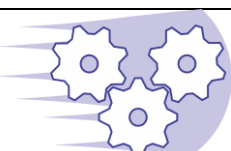
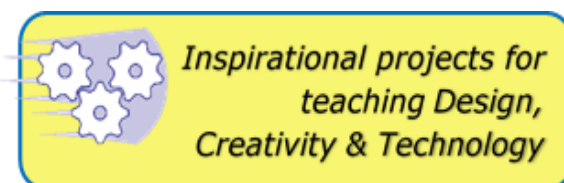
These technologies allow the student to experiment and innovate with colour, design and shape.

REFERENCES:

- <http://www.newworldencyclopedia.org/entry/Clock>
- <https://en.wikipedia.org/wiki/Clock>
- Bangkok Patana School – British International School in Thailand. Year 7 Art Deco Clock making resources
<https://sites.google.com/a/patana.ac.th/rism-ks3/clock-project-1>
- <https://www.purelywallclocks.com.au/>
- <https://www.ohclocks.com.au/>

“If you want to make good use of your time, you’ve got to know what’s most important and then give it all you’ve got.”

Lee Iacocca (US businessman & author)



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