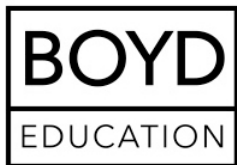


#ThinkDo Cards

Wider Impact of Designing & Making

By Paul & Julie Boyd

This resource will be updated and developed over time. If you have received this resource before it may be worth replacing your file with the more up to date version.



www.julieboyd.co.uk

paulboyd@mac.com
julie@julieboyd.co.uk

#ThinkDo Resources



- This resource supports the content of some of our courses. See more about our courses at <http://www.julieboyd.co.uk/workshops-2/calendar/>
- #ThinkDo cards are designed as structured retrieval activities and can be used as general classroom activities, homeworks, extension activities or as low stakes tests. They can also be used for display.
- The #ThinkDo cards are mapped against our 10 Key Learning Areas in D&T document which can be found at <http://www.julieboyd.co.uk/dt/dt-curriculum-planning/10-key-learning-areas/>. Over time our long-term goal is to produce at least one card that references learning from this document.
- The cards have an image and a series of questions designed to prompt learners to think more deeply about D&T, whether it be from the perspective of an exam, the non exam assessment, or simply to encourage a wider interest in design generally.
- The slides can be printed and used as A4 worksheets or they can be trimmed to the size of the cards. Changing the settings on the printer also means the size of the resource can be changed e.g. to print 4 cards onto an A4 page. The A4 slides could be laminated to create a reusable resources with learners writing around the card using dry erase markers.
- New #ThinkDo cards are produced all the time linked to a variety of KS3, 4 and 5 learning areas. Free Jpeg #ThinkDo cards are given away each week on our Facebook page (www.facebook.com/julieboydonline) and are also posted on our blog at <https://goo.gl/1lwCVi>.



#ThinkDo

Big Belly solar powered compactor bin

This solar powered bin compacts waste to reduce its size & sends a text to the council waste team when it is nearly full.

www.bigbelly.com

What is the impact of this product on:

The council waste team

The environment

People in the community

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#ThinkDo

Poster in Ikea pledging to use cotton that is socially and environmentally responsible.

Outline the different ways they might do this.

Why is this information displayed prominently in the store?

What departments and products might this sign be displayed near?

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#ThinkDo



This t.shirt has been made using GOTS certified organic cotton.

What do the letters GOTS stand for?

What does it mean if a product has this certification?

How does this certification add value to the product in the eye of the consumer?

Find out more www.global-standard.org

www.julieboyd.co.uk



#ThinkDo

What is Fairtrade?

Why does buying Fairtrade products support sustainable trade?

What is the Fairtrade Mark?

Find out more www.fairtrade.org.uk

www.julieboyd.co.uk



#ThinkDo

What issues might a consumer have with purchasing a coat made of real fur?

What might be an alternative fabric that could be used?

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#ThinkDo

A building brick set targeted at girls

Analyse a variety of toys & their packaging. Evaluate both for gender bias.

What elements of the packaging & design of the toy make it targeted at one gender?

Analyse a variety of non gender biased toys & their packaging. What design features & marketing strategies are used to make the products gender neutral?



#ThinkDo

What does the symbol on the label mean?

What products might you see it on?

Visit www.fsc.org to find out more

www.julieboyd.co.uk



#ThinkDo

Jollie Socks: for every pair sold a pair of hardy socks are donated to a homeless charity www.jolliegoods.com

Identify different 'winners' that benefit from the sale of these socks?

Investigate other companies & products that are designed to benefit others

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#ThinkDo

In what ways do issues relating to ethical trading influence consumers' attitudes to buying textile products?

Find out more about Monsoon's vision on ethical trading at www.monsoontrust.org

www.julieboyd.co.uk



#ThinkDo

Upcycled products from tyre inner tubes

What is upcycling?

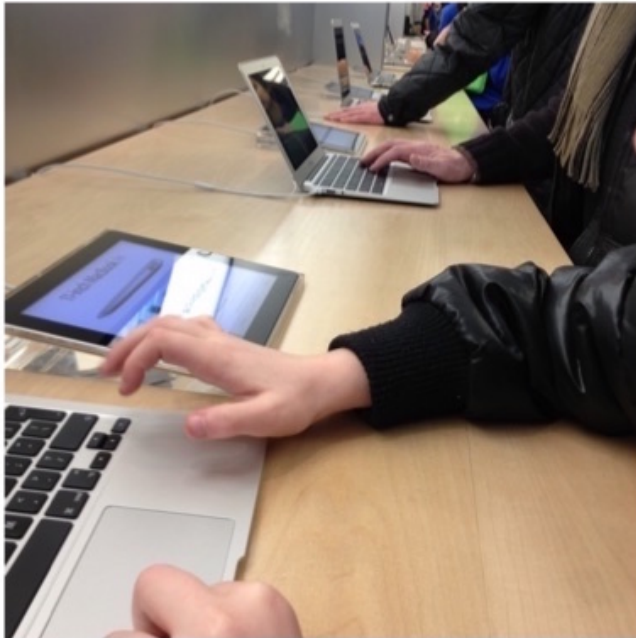
Paguro say they make products in a socially conscious way.
What does this mean?

What would you design?

Visit www.pagroupcycle.com to find out about their products, how they are made & the impact they have

www.julieboyd.co.uk





#ThinkDo

Explain what is meant by planned obsolescence in relation to these products

Why do manufacturer's design products with planned obsolescence in mind?

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#ThinkDo

Smart phones are a product that is constantly evolving.

Evaluate the impact of market pull & technology push on the development of smart phones.

Some products, such as smart phones, are designed with inbuilt planned obsolescence.

What does this mean?

What other product examples can you give that might be designed in the same way?

Discuss the advantages & disadvantages of planned obsolescence including the environmental impact.

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#ThinkDo

This packaging has been redesigned to reduce the amount of materials used. What are the benefits of this to: the consumer, the manufacturer, the environment?

How would you redesign the packaging for other products to reduce the amount of materials used?

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#ThinkDo

What does the Rainforest Alliance seal mean?

Where might you find it?

www.rainforest-alliance.org

www.julieboyd.co.uk



#ThinkDo

Recycled plastic bottles used to make the splash backtiles in the washrooms at the Museum of Science & Industry in Manchester.

Find out more about this type product, as well as other products made from recycled plastics, at <http://www.smile-plastics.com>

www.julieboyd.co.uk



#ThinkDo

Socks made from recycled fishing nets & organic cotton

What does the term 'sustainable' mean?

What other sustainable fabrics can you name?

Find out more at www.healthyseas.org

www.julieboyd.co.uk

#ThinkDo

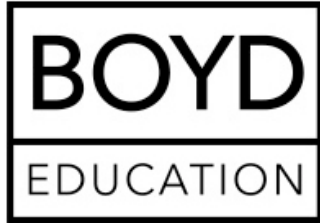


Name different types of energy sources used to power our everyday lives.

Compare the advantages and disadvantages of different sources of power.

How can products be designed to have less environmental impact by using less power.

Get Support for Your D&T Curriculum

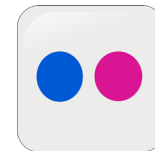


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www.julieboyd.co.uk

Visit this page on the website for all our **social media links**

<http://www.julieboyd.co.uk/about/social-media-links.html>



Subscribe to our D&T **newsletter** <https://goo.gl/CLBAmb>

Find out about our **courses** for teachers including bursary funded & low cost courses <http://www.julieboyd.co.uk/CPD/calendar/>

Email julie@julieboyd.co.uk or paulboyd@mac.com