

# **Bring Textiles to the forefront of Design and Technology**

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# Learning Objectives

- To provide information/knowledge about how to update your textile curriculum content.
- To provide exemplar activities to update your textile curriculum.
- To provide different approaches, activities and strategies to deliver a 21<sup>st</sup> century textiles curriculum.

# Modernising Textiles

- **Structure**
  - Designing
  - Making: making to prototype stage or a high quality finished product.
  - Designing and making starting from an identified need
  - Design and society
- **Content** – knowledge, skills (including creativity) and understanding.
- **Materials and components.**
- **New Teaching Tools** – approaches, activities and strategies for teaching textiles.

# Content consider....

- Different lengths of time per units/modules
- Relevant content
- Modern fabrics and manufacturing techniques.
- Client/customer focus
- Modern textile/fashion designers
- Historical influences on design
- Cultural influences on design
- Developing Creativity skills

# Electronic Components

- E Textiles  
....Electronic components e.g. voice recording devices to use in products e.g. a room guard, an avatar doll/figure.



Rapid Electronics: [www.rapidonline.com](http://www.rapidonline.com)

# **Project Ideas**

# Possible Starting Points

- Start with a:
  - real need discovered by the student
  - prepared mood board
  - product specification.
  - culture to explore/research.
  - customer/client profile.
  - fixed cost for the final product.
  - bag of fabrics and components .

# Designers in Society

- Building projects around designers.
- Designers in residence local textile artists working in or visiting school.
- Designing products for specific customers /clients. Use client customer profile cards.
- Designing, for recycling-cradle to cradle designing.



# Emmeline Child

## Eco Fashion Designer

### STEM Ambassador

[www.stemnet.org](http://www.stemnet.org)





**Examples of  
products produced**





**The Gallery at  
The University of Northampton**

# Cultural Issues

- Building units around a cultural focus e.g. design stimulus from another country.
- Focus on an historical era 60's 70's etc.





**A cultural focus to  
designing fabric**





# Manufacturing a Laminate Fabric

Lamifix matt or glossy can be heat set onto a fabric which can then be joined to another fabric layer with bondaweb.

Lamifix

£4.00 metre

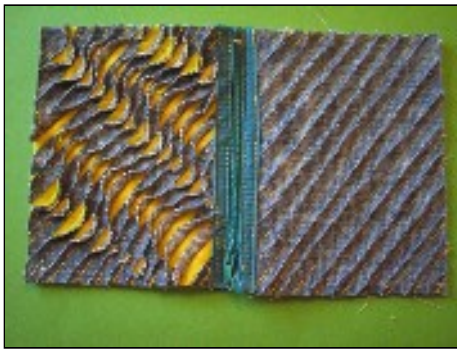
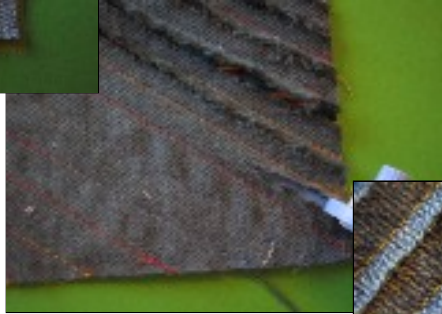
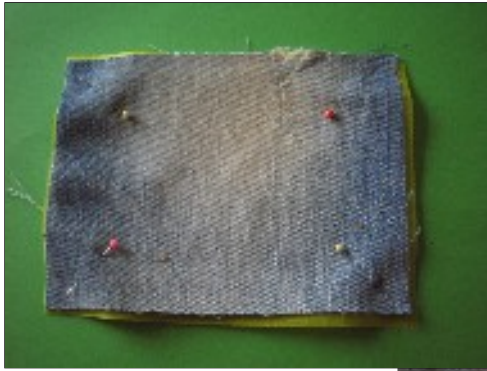
[www.nid-noi.com](http://www.nid-noi.com)



# The humbug bag



# Recycling denim-humbug bag





# Embellisher Project.

Students were required to produce products using an embellishing machine to encourage people to purchase the Janome embellisher machine

The products were displayed in the local sewing machine shop window.



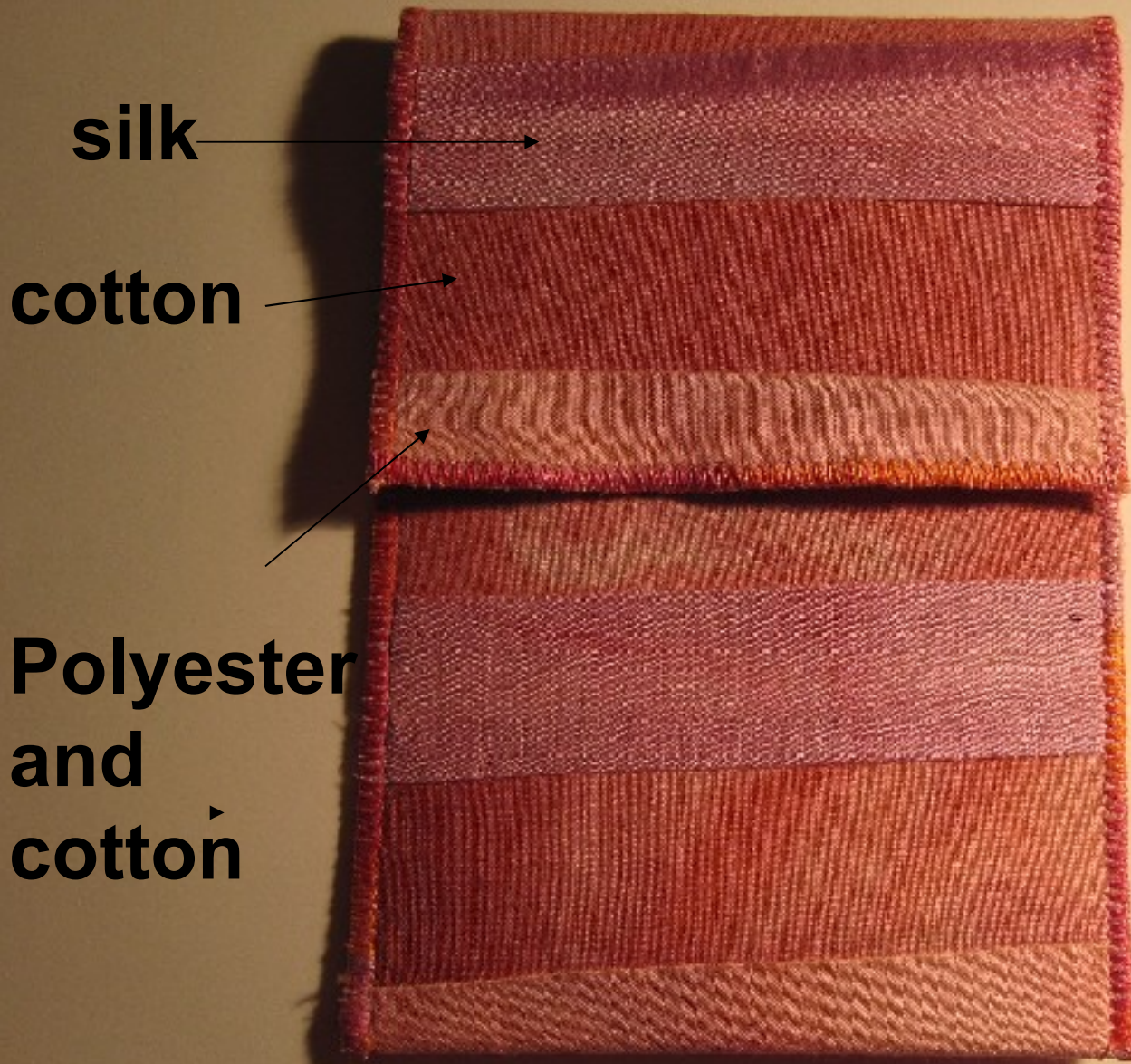
# Recycling sweet wrappers and crisp packets.....











**silk**

**cotton**

**Polyester  
and  
cotton**

**Simple  
container  
created  
from dyed  
fabrics.**



# To dye for .....

**Maths or  
textiles???**

Measuring  
dyes to  
produce  
accurate  
recipes for  
creating  
specific  
colours.





# New Teaching Tools



**Flip Mino**



**Visualizer**

# Use of Role play

- A Dragons Den style pitch to evaluate designed products or concept models.
- Thinking hats consider design ideas, concept models or final completed products.

# **CREST Award Scheme**

## **British Science Association**

[\*\*www.britishscienceassociation.org.uk\*\*](http://www.britishscienceassociation.org.uk)

### **Who to contact....**

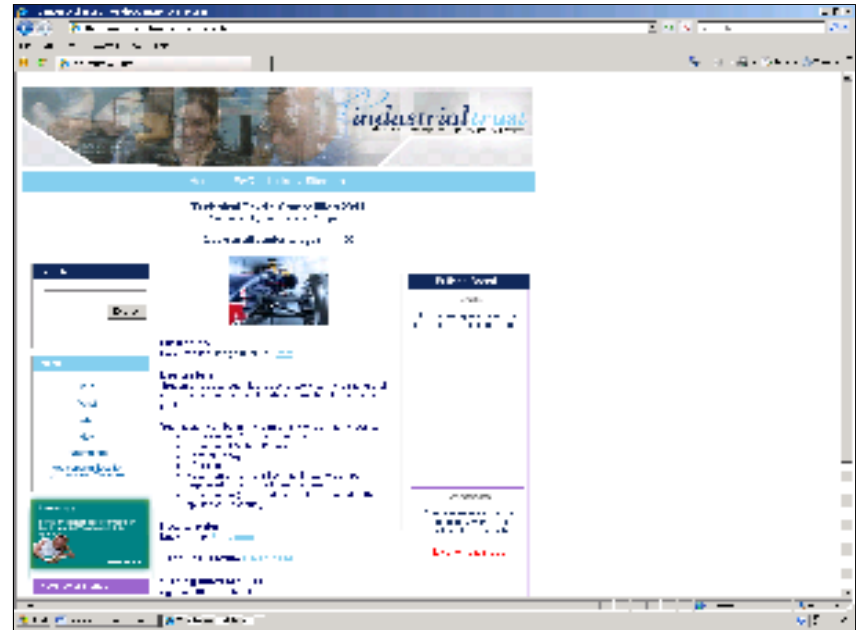
- CREST Local Co-ordinator Hampshire
- Real design scenario experiences

NB. There is a cost for these awards.



# Competitions

- Using resources prepared to support the competitions for your own projects.
  - Textile Institute
  - STEM Challenges
- Big Bang Regional and National Fairs enter projects.



# Excellent Resource Suppliers

Nova Trimming Ltd

15 Abbey Gate,

Leicester

LE4 0AA

Tel. no. 01162531144

Nova Trimming Ltd

370-371 Summer Lane

Birmingham

B19 3QA

Tel. no. 01212331494

# Did you know ...

- Rose Sinclair
  - New Books:KS4 and KS5 due...Autumn 2011
- New 'modernised' projects available from:  
The Design and Technology Association.
  - Container Project
  - To Dye for...
  - Engineering Elegance