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The Hollins Technology College Partnership Projects

*"2nd Most Improved School
in the Country"TM (DFES 2006)*





Food Technology

What are we offering and who is it suitable for?

We are offering a specialist, well resourced food technology room with opportunities to complete a design and make project. The QCA's programmes of study Units 5B Bread and 5D Biscuits and the learning outcomes from these units can be met from the delivery here at The Hollins Technology College.

What will they learn?

Pupils will expand their designing skills to develop an original bread product. They will understand about yeast and its growth requirements, developing close links with the science curriculum.

How long does the course last ?

This course is fairly flexible and has been run both in 2 lessons of 2 hours and 1 single 2 hour lesson. However, this can be structured to your needs.

How many can you cater for?

For health and safety reasons our maximum class size is 20. We understand that you often teach class sizes of 30, in which case we would offer the same lesson to two groups of 15.

Have you got any pictures of previous examples?





KS 2 Science (Bright Sparks)

What are we offering and who is it suitable for?

This is fully interactive lesson delivered by a specialist teacher, aimed primarily at Year 6 pupils in preparation for their SATS. Pupils will make and learn to use simple circuits. This is one of the few technologies where we can send a teacher and equipment to your school.

What will they learn?

It covers everything Year 6 will need to know about electricity at Key Stage 2 to prepare them for their SATS.

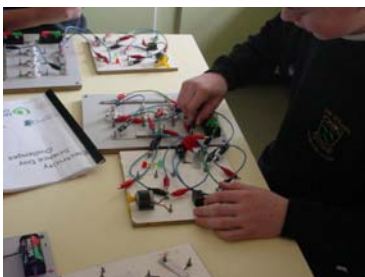
How long does the course last ?

This course has been designed to be delivered over a half day or one full day. However, we are flexible if you have a different timescale in mind.

How many can you cater for?

Approximately one full Year 6 class with a maximum of 30 children.

Have you got any pictures of previous examples?





Resistant Materials

The Mighty Mechanism Project

What are we offering and who is it suitable for?

We offer an exciting design and make project relating to "movement & mechanisms" suitably tailored for Year 5 pupils of all abilities. Mighty Mechanisms Project has been designed to meet with all of the QCA's programme of study in Unit 5C Moving Toys.

What will they learn?

The pupils will learn the basics of "design for purpose" and how to safely use machinery and hand tools to produce practical pieces that they will assemble into a working product.

How long does the course last ?

It's flexible, but around 4/5 two hour sessions (therefore over 4/5 weeks) ensures everyone leaves with a complete article.

How many can you cater for?

For Health and Safety reasons, no more than 20.

Have you got any pictures of previous examples?

Yes, have a look at the two photos below.





Textiles Technology

What are we offering and who is it suitable for?

We are offering a specialist, well resourced classroom,. The learning outcomes for the QCA's Slipper project (Unit 6B) has been re-designed to ensure all the learning objectives are met yet pupils still complete an individual sewn product.

We have ten sewing machines that we can offer schools so that they can undertake some stitching in their own school environment.

What will they learn?

To use the equipment safely while embarking on creating a usable product, either a QCA project or one that would meet the QCA requirements.

How long does the course last ?

This is flexible and largely dependent on the project chosen. It could be a single two hour session or two one hour sessions or it could be negotiated once a project was finalised.

How many can you cater for?

For health and safety reasons our maximum class size is 20. We realise that primary classes are often in excess of 30, bearing this in mind we could offer the same lesson to two groups of 15.

Have you got any pictures of previous examples?





Graphic Products

What are we offering and who is it suitable for?

We offer a fun and exciting design and make project relating to pop-up cards. This project is catered for all levels and abilities. This project has taken the learning outcomes from the QCA programme of study for Unit 4B- Storybooks and adapted them to make them more relevant to your Year 5 and 6's

What will they learn?

The pupils will have the ability to learn various pop-up mechanisms. They will experiment and use various hand skills and rendering techniques to create a fun and creative pop-up card.

How long does the course last ?

It's flexible , but around 6 hours in total to ensure everyone leaves with a pop-up card. However the project may be shorter if necessary.

How many can you cater for?

No more than 20.

Have you got any pictures of previous examples?

Unfortunately not yet. As it's a new project we are waiting for the new arrivals to produce some wonderful pop-up cards.

However, below are some images which illustrate the various types of pop-up cards that can be created.





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Engineering at Work Day

As part of our Year 9 Engineering at Work Day in March each year. Liverpool University come to school and give a fun, interactive and exciting demonstration on liquid nitrogen.

Pupils love to see how flowers and eggs are instantly frozen intact, yet crumble when touched and get to see liquid nitrogen form droplets running across the floor and disappearing into thin air.

This is a great science and technology learning experience for your Year 5's and 6's.



This years Engineering at Work Day takes place on Wednesday 18th March with the session beginning at 11am lasting until 12noon. We have places for 150 pupils please contact us to reserve places for your pupils.





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Further Information

Here at The Hollins Technology College we consider our work with primary schools to be of fundamental importance. We have an excellent track record in this field as we believe supporting the work of our partners allows pupils to gain not just academic support but confidence and insight in to what secondary schools have to offer.

When working with primary schools our aim is to be as flexible as possible. We appreciate the difficulties in delivering the primary Design Technology curriculum and would like to offer our expertise and resources to help you meet your pupils' learning needs.

All our technology subjects are taught by specialist teachers using the most appropriate equipment available to schools.

Should you wish to discuss support that the projects in this booklet do not cover then please contact Ivan Catlow (Assistant Headteacher).

