



Cool School Update – June 2017

Dear Colleague,

Whether you’ve been with us as a Cool School for a while, or this is your first update, we hope you find the following Information about our resources helpful.

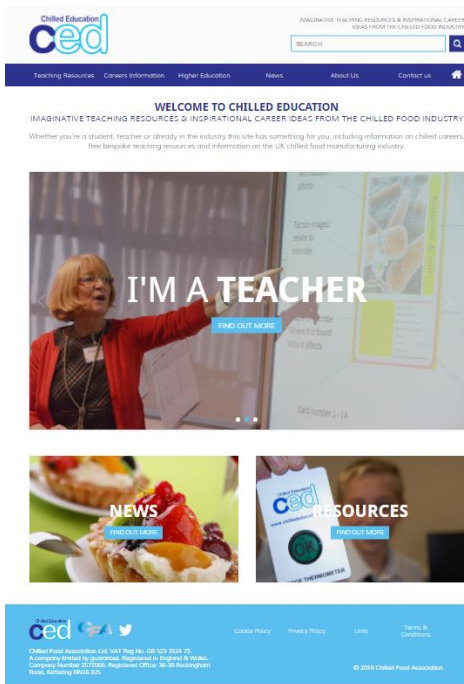
We’re continuing to develop new partnerships, and are now working with the Institute of Food Science and Technology to support their work on resources and lesson plans for food teachers.

This latest partnership is latest of many forged by Chilled Education. We have been working with colleagues in education and the food industry for almost six years. Our innovative resources are the result of our collaborative approach. Put simply, we could not succeed without your input.

We would love to hear your ideas for new teaching resources.

Kaarin Goodburn MBE, Director

New Website for Chilled Education – FREE Lesson Plans, Candid Career Interviews and more



Chilled food production is a dynamic industry that never rests on its laurels! In keeping with this, the Chilled Education website has undergone a major re-think and refresh. Site users found the content invaluable but had previously commented on its navigation.

CFA director Kaarin Goodburn explains: “Websites constantly evolve, so we wanted to take advantage of current thinking to address the needs of our site’s visitors. Our fresh new design’s simplified approach means everyone can quickly find the information most relevant to them. From FREE lesson plans for teachers to inspirational career paths for students, the CED website has everything we need to encourage and inspire more young people into professional roles our industry.”

These exciting ideas can be explored at chillededucation.org

Designing Micro Trumps – new free lesson plan for primary pupils

The size, shape and sheer variety of microorganisms often makes them unfathomable to young minds. But tangible resources such as MicroTrump, offer a fun solution.

CEd has taken its popular MicroTrump game and made it accessible to primary pupils. Bablake Junior School in Coventry and Myton School in Warwick have been testing the game, which includes pupils designing their own microorganisms. It's getting top marks!

Science Teacher Sam Holyman has been developing resources with CEd said: *"Students were keen to share their own stories about microorganisms and were very excited to look at the cards. Their enthusiasm for science was infectious! I hope that the resources will encourage more primary school students to think about microorganisms and consider a career in microbiology". And Helen Shorter added: "The children loved learning about different microorganisms. I'm sure they will be washing their hands much more thoroughly in the future!"*



The free lesson plan can be downloaded from [Chilled Education's website](#) and you can also buy [MicroTrump](#).

Microbiology + Biochemistry = Food!

The partnership between CEd and the Association for Science Education (ASE) is now entering its third year. A total of [six free lesson](#) plans match the KS 2-4 science curriculum and include extensive teacher notes, PowerPoint presentations, and homework suggestions. The resources have been developed by CEd with Science Teachers Sam Holyman from Bablake School in Coventry and Kat Stuart from Myton School near Warwick. Sam describes one of the plans: *"Food offers an engaging way into science and allows us to cover a variety of teaching points. Microbes can be used to make food and drink and in this lesson students set up a microscope and look at bacteria from a yoghurt drink. They then use mathematical skills to record magnification and represent numbers in standard form."*

Our free lessons plans and resources have also been tested in the classroom. We're delighted that the science teachers gave us a positive report, saying:

"Making science relevant by linking underlying principles to everyday applications is something that we have been thinking about as a department, so we were happy to trial the set of lessons. We chose lessons that would fit with our current teaching topics so the lessons were trialled across a range of ages and abilities and by different teachers. All in all, the resources are well developed and engaging and provide a good starting point for teachers to adapt to the needs of their students."

Stock up on the Coolest Resources!

We've got tailor-made FREE lesson plans and hands-on resources to support you in delivering your science, design and technology topics at Key Stages 1 – 4.

All available from chillededucation.org



Thermometers

Chilled food is kept fresh and at peak quality in the fridge.

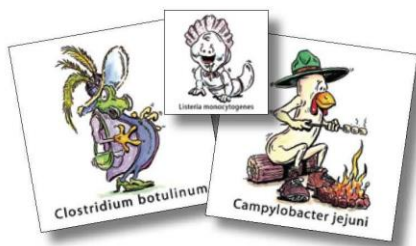
But fridges have to be the correct temperature (0-5°C). Our **fridge thermometers** glow green when all is well. Great for lessons, they allow students to take the learning out of the classroom – and even improve aspects of food safety at home.

1 – 3 FREE! Bundle of 50 - £25 (+ VAT)

Glo-Germ Hand Washing Training Kits and Posters

These teach the correct way to get hands thoroughly clean, a prerequisite in the food industry and important at home and in the classroom. UV gel shows how hands can be a source of contamination and cross contamination fomite.

£45 (+ VAT)



Nanobugs Temporary Tattoos

Cartoon microbes such as *Campylobacter*, *Norovirus* and *Salmonella* depict important foodborne pathogens.

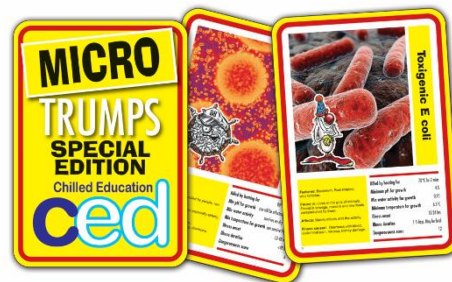
Sample of 10 assorted tattoos FREE!

2 or more packs of 10 - £2 (+ VAT)

MicroTrumps

Students use cards depicting microorganisms including *Clostridium botulinum* and *Lactobacillus acidophilus* to trump each other in categories such as 'dangerousness' and minimum temperature and pH for growth. Each card has general and technical information alongside and electron micrograph and fun cartoon of each organism.

£5 (+ VAT) per set. 10 sets for £40 (+ VAT)



Good to meet you!

We've been out and about meeting teachers and students at Big Bang Fairs and the ASE Annual conference.

It's a great way to talk to you about our resources but we also enjoy sharing our experiences of working in the chilled food industry. Our career path interview leaflets are always popular and give insider insights. They can also be [downloaded](#) from the CEed site. You'll read about CEed Ambassadors such as [Ella Connolly](#) and [Sue Evans](#) as well as recent graduate [Lewis Chadley](#) who were all at the ASE conference earlier this year.



Ella also took a CEed pop up to the Big Bang Fair at Leicester Grammar School. The busiest yet she said!



Since this was CEed's second visit to the ASE's Annual Conference in Reading many of the teachers were already familiar with the resources. Teacher trainer Sarah is using the fridge thermometers in her work with primary science teachers. She had just two words to sum up her reaction: "*love them*"!

Dates for your diary

Look out for us at:

- Big Bang Fair East Midlands, at the Roundhouse in Derby on Thursday 29 June 2017
- ASE Annual Conference, Liverpool University, 3 – 6 January 2018

Come along and say hello and please bring your ideas with you! We're always interested to hear your thoughts on new resources and lesson plans. We're already thinking about using food to teach physics, how about thermodynamics as a hot topic or using chocolate to look at rheology? Interested? Come and tell us!