



Digital Technology & Business Department Newsletter

It's Half Term!

With the days getting brighter and the sun coming out occasionally, our students have been working hard in lessons. The GCSE exams have started with both the Year 11 Dig Tech and Business exams now taken place.

The postman has been busy making deliveries of our success postcards. The team nominate two students from each class. Congratulations if you have received a card.



PENGUINS

Fine down feathers cover most newly hatched chicks. (King penguin chicks hatch naked and grow down feathers within a few weeks.) Down feathers of different species may be white, grey, black, or brown.

Emperor Penguin
Emperor penguins are the largest of all different species of penguins. They live in the Antarctica their whole in temperatures sometimes below 60 life.

Chinstrap Penguin
Chinstrap penguins might be the most abundant penguin with over 7.5 million breeding pairs.

Macaroni Penguin
Macaroni penguins can dive up to 15-70 meters and can hold their breath for up to 60 life.

For most species of penguins, the average underwater dive lasts 6 minutes

Erin F

An infographic is a collection of imagery, data visualizations like pie charts and bar graphs, and minimal text that gives an easy-to-understand overview of a topic. In this case, Year 10 were creating infographics about Penguins.

Now that Year 10 Digital Technology have submitted their Controlled Assessment, we have been looking at the different methods of Digital Communication. Our first method has been the use of infographics.

Emperor Penguins

The Emperor Penguin is one of the largest and heaviest penguin in the world. The male and female are similar size reaching 100cm in length and weighing from 22 to 45kg. They are scientifically known as Aptenodytes forsteri. The average lifespan for an emperor penguin is 15-20 years.

Although the diet of Emperor Penguins varies by location and may include fish, krill, or squid, the most important food source is fish, especially Antarctic silverfishes. Krill and glacial and hooked squid supplement their fish diet.

The Emperor Penguin usually resides on the North Eastern areas of Antarctica. There are estimated 600,000 Emperor Penguins left on the Earth. These Penguins are on the Endangered Species list.

Lewis P



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Many customers favourite ice cream was cookie dough so this is going to be the flavour to this cone.

33% of my customers liked the waffle cone with chocolate coating so this could be a good ice cream cone to sell.

Chocolate chips will be a topping for this ice cream

Semi skimmed milk is used

Chocolate ice cream is going to be one of the toppings for this.

33% of the customers had said they are willing to pay £2.75 for 2 scoops of ice cream

There is 582 calories in this ice cream

Kallum

The Year 10 Business class are busy preparing to give their presentations about their ice creams. The students have to give a 5 minute presentation about their business plan for launching their idea in June to Mr Blackwell and Ms Matthews.

Mood board

Ice cream 1

A rolled chocolate ice cream with chocolate chips added in it and chocolate sauce on top with a flake in it in a waffle cone with chocolate coating (sprinkles removed after feedback)

Ruby

Final design

I chose to use vanilla flavoured ice cream as it is liked by the majority of the people that completed my questionnaire.

I've decided to add a free optional waffle to my ice cream for students or younger people to attract more people to buy this ice cream.

I chose cows milk for my ice cream as everyone in my questionnaire said that they preferred it over any other types of ice cream, there will also be a discount for younger people and students for each scoop as well because of my customers are students.

I have chosen to use a pain cone as the people in my questionnaire preferred it over a tub and it's cheaper the most favourite type of cone so it will be more budget than the other types of cones.

I have chosen to add an optional strawberry sauce to my ice cream as it is the most liked sauce in my questionnaire using this sauce would attract the most amount of customers to buy this ice cream.

Giulio

Year 9 have been busy creating a self-marking quiz in Excel. In a more engaging use of complex formula such COUNTIFS and using conditional formatting, the students have created quizzes on a variety of topics.



George

celebrity quiz - Excel

Home Insert Page Layout Formulas Data Review View Help

Function Library

1 B C D E

2  

3 =IF(E4="Margot Robbie","Correct","") =IF(E4="Katy Perry","Correct","")

4 Margot Robbie Katy Perry



Laila

disney quiz - Excel

Home Insert Page Layout Formulas Data Review View Help

Function Library

1 B C

2  

3 =IF(B3="lady and the tramp","correct","") =IF(C3="cinderella","correct","")



4 lady and the tramp cinderella

Kenzie

Home Data Review View Help

Function Library

1 B C D

2  

3 =IF(B4="Trent Alexander Arnold","Correct","") =IF(D4="Mo Salah","Correct","")

4 Trent Alexander Arnold Mo Salah

Jack

THE (SUPER) HARD DINOSAUR QUIZ

"Tyrant Lizard King"  **Correct!** Tyrannosaurus Rex

"Fast Plunderer from Mongolia"  **Correct!** Velociraptor Mongoliensis

"Shark Toothed Lizard from Sahara"  **Correct!** Carcharodontosaurus Saharicus

As we finish our quizzes, the students are going to add some cell protection as well as a macro button that will reset the quiz.



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Year 8 have been focused on creating and using a database in Microsoft Access. They have set up the tables and created queries and reports.

Hannah

Field:	First Name	Did you stream last week?	Do you have a games console?
Table:	Generic Data	Generic Data	Generic Data
Show:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Criteria:		True	True
or:			

Liam

Field Name	Data Type
Customer ID	AutoNumber
First Name	Short Text
Surname	Short Text
Town	Short Text
Phone Number	Short Text
Date of Birth	Date/Time
Do you have a smart phone?	Yes/No
Do you have a laptop or PC?	Yes/No
Do you have a games console?	Yes/No
Do you have a social media acc	Yes/No

Phuthan

Field:	Phone Number	Do You Own A Gar
Table:	Generic Data	Generic Data
Sort:		
Show:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Criteria:	Like "*"6"	True
or:		

Year 7 have continued working on their Music Festival with their focus creating a website for their festival. The students are making their websites in Notepad++ using HTML. As a result the students are now familiar with a variety of tags such as <p>, <h1> and .

Wellington

```
<html>
<head>
<title>this is my first webpage</title>
</head>
<body>
<h1><center></center><b>first<b> webpage. There's more to come
hello world this is my first webpage. there's more to come
</body>
```

Jaidan

```
<html>
<head>
<title> This is my first webpage </title>
</head>
<body>
<h1><center><font size="7">Hello world.</center></h1></font> This <u>is</u> my <b>first</b> webpage. There's more to come
<hr>
<p>I am learning how to use the horizontal rule, headline, paragraph and line break tags.
Writing HTML isn't as hard as it appears</p>
<p>Here's a list of times I like in school:<br>
<font size="5" color="66FF99">art</font>
<font size="5" color="00CCCC">drama</font>
<font size="5" color="006699">history</font>
<font size="5" color="6633CC">science</font>
<font size="6" color="CC00CC">reading</font>
```