

Cloughwood Academy

Home Learning Pack

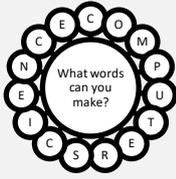
Contents

Quick Activities	2
(Computer Science, ICT & Creative iMedia – KS3)	2
idea.org.....	3
(Computer Science, ICT & Creative iMedia – KS3 & KS4).....	3
Mymaths.co.uk	4
(Maths – KS3 & KS4)	4
Duolingo.com.....	4
(French – KS3).....	4
Twinkl.co.uk.....	5
(All Subjects KS3 & KS4).....	5

Quick Activities

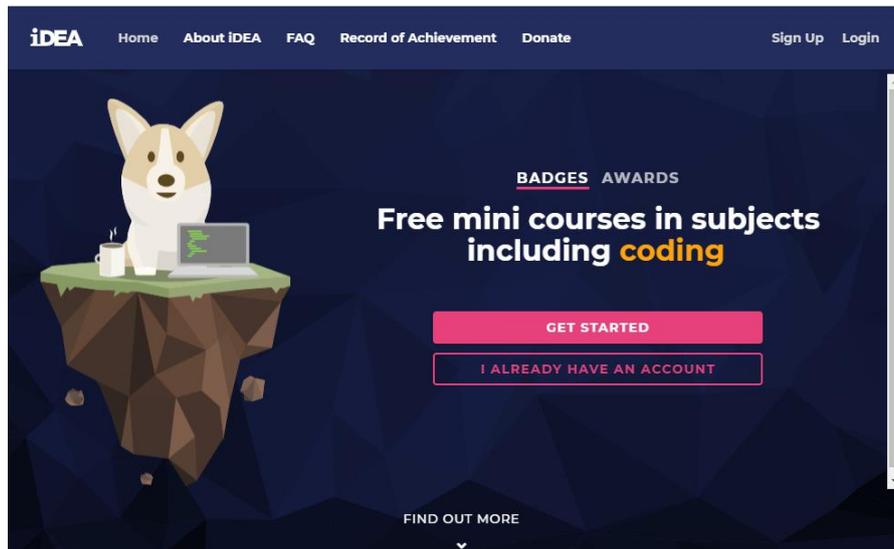
(Computer Science, ICT & Creative iMedia – KS3)

Please complete two pieces of work per week from this page

<p>Staying safe online</p> <p>Design a poster to appeal to Year 6 pupil about staying safe online. Give tips on how to stay safe and what to do if you need help. Think about, how to behave responsibly online, how to report problems, etc.</p> <p>Parent: Teacher:</p>	<p>Who am I?</p> <p>Make a fact page about a famous computer scientist. Tell us when they were born, where they were from and what they were famous for. You could choose your own or find out about; Charles Babbage, Steve Jobs, Grace Hopper, Alan Turing,</p> <p>Parent: Teacher:</p>	<p>Input and Output</p> <p>Draw a table with two columns, one labelled 'Input' and one labelled 'Output' (see below). Then complete the table listing all the input and output devices you can think of.</p> <table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <thead> <tr> <th style="padding: 2px;">Input</th> <th style="padding: 2px;">Output</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;">Keyboard</td> <td style="padding: 2px;">Monitor</td> </tr> </tbody> </table> <p>Parent: Teacher:</p>	Input	Output	Keyboard	Monitor																
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Keyboard	Monitor																					
<p>Software and Hardware</p> <p>Draw a table with two columns, one labelled 'Software' and one labelled 'Hardware' (see below). Then complete the table.</p> <table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <thead> <tr> <th style="padding: 2px;">Software</th> <th style="padding: 2px;">Hardware</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;">Excel</td> <td style="padding: 2px;">Mouse</td> </tr> </tbody> </table> <p>Parent: Teacher:</p>	Software	Hardware	Excel	Mouse	<p>Are you sensor-tive?</p> <p>Sensors are hardware devices that record environmental information and convert it into data. Examples are temperature sensors, light sensors and infra-red sensors. Write down a list of devices that contain sensors and explain how they work.</p> <p>Parent: Teacher:</p>	<p>How many words can you make?</p> <p>How many words can you make using the letters in COMPUTER SCIENCE?</p> <div style="text-align: center;">  </div> <p>Parent: Teacher:</p>																
Software	Hardware																					
Excel	Mouse																					
<p>What's your opinion?</p> <p>The media (newspapers, programs and the internet) often say that Gaming is bad for people, particularly children. In a few paragraphs, write down your opinion and give your reason. Think about, the advantages and disadvantages including; e-safety, socializing/anti-social behavior, and learning, (Keeping in touch during the virus!) etc.</p> <p>Parent: Teacher:</p>	<p>There are 10 kinds of people in the world; those who understand binary and those who don't!</p> <p>Draw the table below and complete it with numbers 1-15 in denary (decimal) and binary.</p> <table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <thead> <tr> <th style="padding: 2px;"></th> <th style="padding: 2px;">8</th> <th style="padding: 2px;">4</th> <th style="padding: 2px;">2</th> <th style="padding: 2px;">1</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;">1</td> <td style="padding: 2px;">0</td> <td style="padding: 2px;">0</td> <td style="padding: 2px;">0</td> <td style="padding: 2px;">1</td> </tr> <tr> <td style="padding: 2px;">2</td> <td style="padding: 2px;">0</td> <td style="padding: 2px;">0</td> <td style="padding: 2px;">1</td> <td style="padding: 2px;">0</td> </tr> <tr> <td style="padding: 2px;">3</td> <td style="padding: 2px;">0</td> <td style="padding: 2px;">0</td> <td style="padding: 2px;">1</td> <td style="padding: 2px;">1</td> </tr> </tbody> </table> <p>Parent: Teacher:</p>		8	4	2	1	1	0	0	0	1	2	0	0	1	0	3	0	0	1	1	<p>What's your game?</p> <p>You have been given the task by a local game design company to come up with a new idea for a game, suitable for 12 year olds. Write down your ideas including theme (i.e. sport, space), characters and rules. Your game could be anything from escaping a maze to constructing buildings against the clock.</p> <p>Parent: Teacher:</p>
	8	4	2	1																		
1	0	0	0	1																		
2	0	0	1	0																		
3	0	0	1	1																		
<p>Computer Science Alphabet</p> <p>Create an alphabetical list of words related to Computer Science, as shown below.</p> <p>Algorithm Binary Computer Disk Drive Electronic</p> <p>Parent: Teacher:</p>	<p>Back to the Future</p> <p>TV and movies have created ideas that were once fiction, but are now a reality. Some of these include mobile phones, touch screens, cruise control and biometric (finger print / iris / facial recognition) technology. Draw and label a picture of your own futuristic device (maybe a flying car, a robot pet or anything you like) the wackier the better!</p> <p>Parent: Teacher:</p>	<p>Thesaurus genius</p> <p>Film makers use trailers to try and entice viewers to the cinema. The trailers are full of powerful language describing their films. Write down a list of words that you could use for a superhero movie, then give alternative suggestions.</p> <p>For example; Superhero, protector, defender, guardian. Strength, courage, power, might, force</p> <p>Parent: Teacher:</p>																				

idea.org

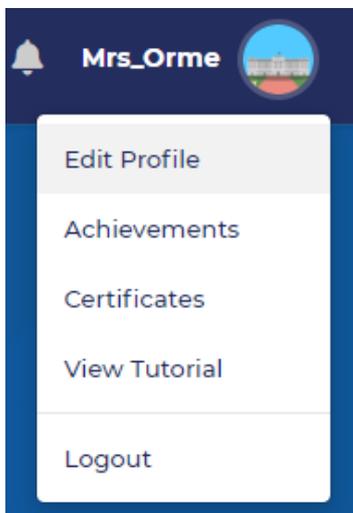
(Computer Science, ICT & Creative iMedia – KS3 & KS4)



Pupils are also asked to register on idea.org

This is a digital learning platform, where pupils can earn Badges and Awards. It is the online equivalent of the Duke of Edinburgh Award and successful pupils can also gain a Record of Achievement which can be shown to colleges and future employers.

Click on to the 'sign up' section and create a profile. Once you have made a profile click on your user name on the top right of the page and click 'Edit Profile'. At the bottom of the profile add the organiser Code: **CA2020KS3**



PROFILE

[SOCIAL SIGN-IN](#)
[CHANGE PASSWORD](#)

Nickname

Email Address

Date of Birth

Country
UK

Organiser Codes
CA2020KS3 [ADD](#)

[SAVE](#)

Adding the organiser code, enables me to view your progress.

If you have any difficulty with this please email me at: rorne@cloughwood.cheshire.sch.uk

Mymaths.co.uk

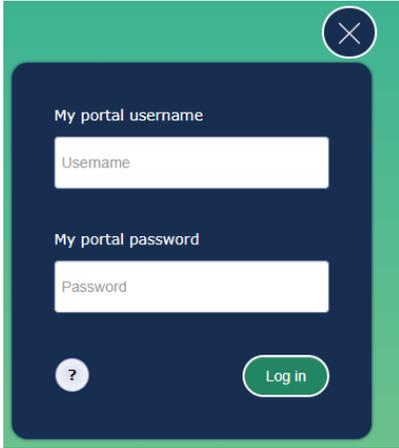
(Maths – KS3 & KS4)

Pupils need to go onto the website mymaths.co.uk

User: cloughwood

Password: square

On the right hand side of the page type in YOUR username (3 numbers) and password (3 letters).



A screenshot of the Mymaths.co.uk login interface. It features a dark blue background with a green border. At the top right is a close button (X). Below it, there are two input fields: 'My portal username' with a placeholder 'Username' and 'My portal password' with a placeholder 'Password'. At the bottom left is a question mark icon, and at the bottom right is a green 'Log in' button.

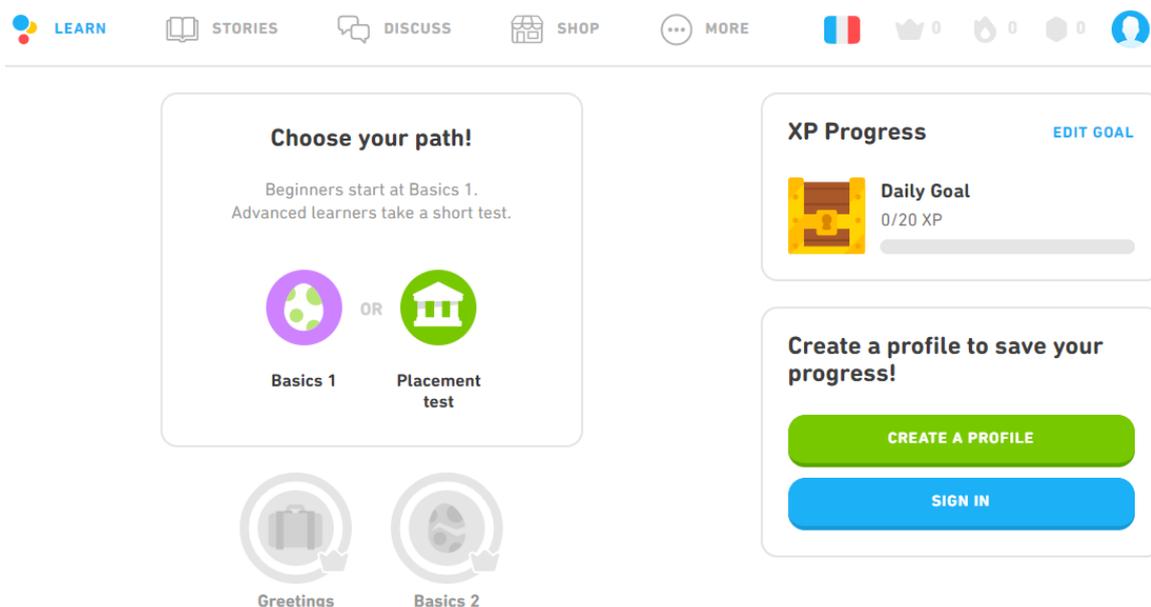
This can then be monitored by teaching staff.

Duolingo.com

(French – KS3)

Access Duolingo.com and select the activities for French.

A username and password is not needed for this website; however, pupils can create a profile if they have an email address – this will save any progress.



A screenshot of the Duolingo.com homepage for French. The top navigation bar includes 'LEARN', 'STORIES', 'DISCUSS', 'SHOP', and 'MORE'. On the right, there are icons for the French flag, a crown, a flame, and a profile icon. The main content area is divided into several sections: 'Choose your path!' with options for 'Basics 1' and 'Placement test'; 'XP Progress' showing a 'Daily Goal' of 0/20 XP; and 'Create a profile to save your progress!' with buttons for 'CREATE A PROFILE' and 'SIGN IN'. At the bottom, there are icons for 'Greetings' and 'Basics 2'.

Twinkl.co.uk

(All Subjects KS3 & KS4)

The screenshot shows the Twinkl.co.uk website homepage. At the top, there is a search bar with the text "Search 500,000+ resources" and a magnifying glass icon. To the right of the search bar are "Sign In" and "Join" buttons. The main content area is divided into three vertical columns:

- twinkl PARENTS (Teal background):**
 - Advice for Parents
 - Parents Hub
 - Homework Help
 - Parents Guide to Twinkl
 - Twinkl Kids TV
- twinkl (Pink background):**
 - Advice for Schools
 - EYFS Home Learning
 - KS1 Home Learning
 - KS2 Home Learning
 - KS3/4 Home Learning
 - BBC Education Videos
- twinkl Go! (Blue background):**
 - Resource Collections
 - Explore Interactives
 - Listen to Audio
 - Play Games
 - Watch Videos
 - Curated collections of online resources arranged by age group and subject area

At the bottom left, there is a "Recently Viewed and Downloaded" section with an upward arrow and "Packs suitable for" text. At the bottom right, there is a "Help" button with a question mark icon.

Twinkl.co.uk has produced a resource pack for pupils learning at home. You will need to create an account to access the resources, however, this is completely free.