

Dear Parents,

We were **delighted with the attendance, commitment and positive attitude demonstrated by every Year 10 pupil who attended school last week. Attendance was 94%** which is absolutely fantastic in the circumstances. A massive 'Thank You' to all parents for your encouragement and support. They arrived somewhat bleary eyed, as getting up before midday was something of an anathema for the majority. However, without exception, the pupils 'enjoyed' the lessons describing them as 'sic' – praise indeed!



This week (Monday 29 June – Friday 3 July) every Year 10 pupil must arrive at 8.40am. This is 'Week Two' and all pupils will have lessons in their GCSE option subjects.

Year 11 parents, we have not forgotten you! Last Tuesday should have been the Leavers' Ball. The weather was glorious and your sons/daughters would have had a wonderful time. Please be assured we are actively considering an alternative date for *the* social event of the year. At this stage we are still waiting Government confirmation as to when large gatherings of people will be permitted. One 'rite of passage' **I can confirm is that Year 11 pupils will be able to collect their GCSE results 'in person' on Thursday 20 August.**



GCSE RESULTS DAY

THURSDAY 20th AUGUST 2020

However, we will have to stagger collection times. We will confirm all the arrangements once we have finalised our plans.

After eleven (!) weeks of home learning, we are well aware that the commitment of pupils (and parents) is beginning to wane. It is hard to maintain a sustained level of interest and engagement without a particular focus. Year 10 are now back in school and in the middle of their GCSE exams, while Year 9 have made a 'Flying Start' to their GCSE courses. These two year groups have a renewed sense of purpose and vigour. From **Monday, week beginning 6 July, we shall be issuing every pupil in Years 7 and 8 with a Personal Challenge.** They will have a change from doing their 'normal lessons', and instead will be reflecting on the last few months, recording all their successes and undertaking one or two new challenges. More details to follow. Just want to make you aware that we are responding to your comments and injecting some variety into our programme of learning.

Challenge Yourself!

Personal Challenge:

As always, if you need to contact me about any issue, please do not hesitate to get in touch. My email address is morris@broughtonhigh.co.uk.

Chris Morris, Headteacher

30 Days Wild – it's almost over!

If you have kept up with your efforts to 'Do something with Nature' every day during the month of June, you should have nearly a month's information recorded now. Please submit your final record to Mr Fox or Miss Winter by **Friday 3rd July**. You can upload a file or take a photograph of your record. If you have missed a day here and there - don't worry! Please let us see what you have done anyway. And of course, if you have photographs of any of your Nature activities, do send them in as well. You should send in only photographs that you are happy to have shared in upcoming Newsletters.



Miss Winter

A Vision for Life After Covid-19

Have you been wondering whether going completely 'back to normal' is actually a good idea? Is there anything you would like to see the world do **DIFFERENTLY** in the future? Maybe even something we have learned from the pandemic?

There is a great national competition for pupils and students **aged 14 and up**, in which you can explore this very issue. You have a chance to submit either a written **article**, short **video** or **image** that describes your vision for the world after the coronavirus crisis has passed. There are prizes of **£200, £100 or £50** in book tokens plus the chance for personal **mentoring** from the panel of some of the world's foremost thinkers and some fantastic **work experience** with either UCL or openDemocracy.

We will also have an internal competition here at Broughton, awarding prizes to the top three entries.

Get thinking and dreaming! But hurry, the competition closes on **Friday 10th July**, and entries are already being uploaded!

Find out more here, including how to upload <https://www.opendemocracy.net/en/world-after-covid/>

Don't forget to send your entry to Mrs. Whitlock or myself as well!

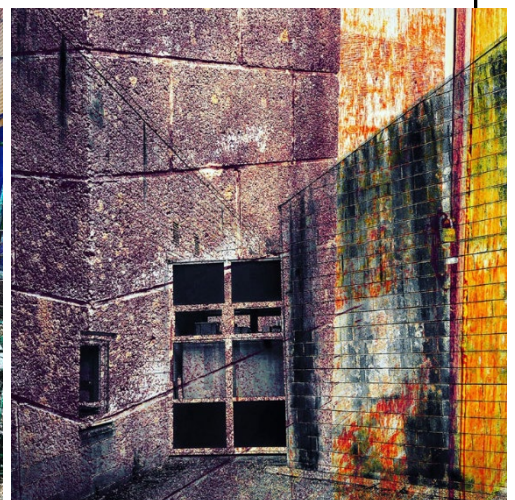
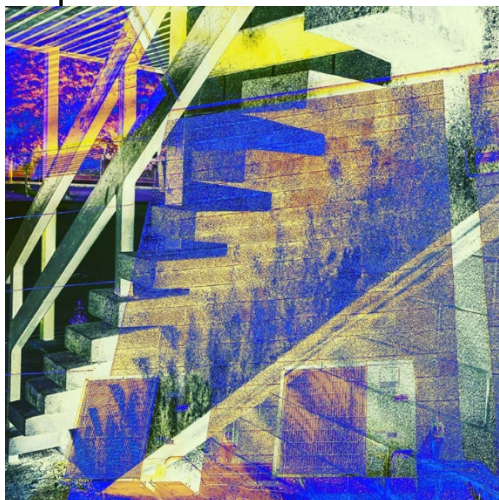
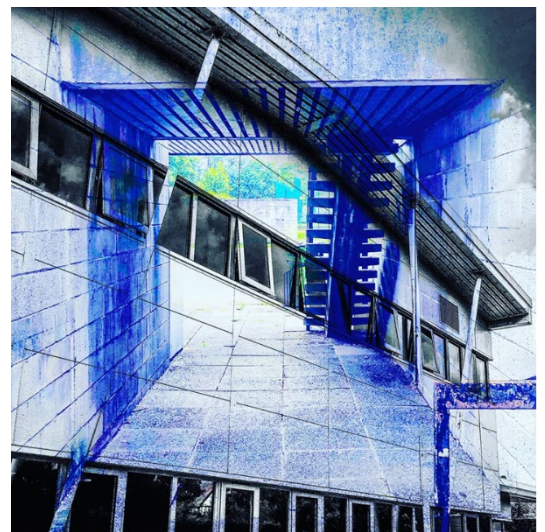
Miss Winter

Art Project - Broughton's Built Environment

One area of my work that I have been able to spend more time on during lockdown is developing some new art project ideas. Broughton's 'Built Environment' is a project that will fit into one of our Year 7 universal art themes: Man-Made.

When I was in school earlier this month I went on a Photoshoot around the school site looking for interesting shapes, forms, patterns and textures. As part of the project development, I created the semi-abstract images below by editing and layering two images together using Instagram and Photoshop Mix apps.

Can you recognize any of these bits of Broughton?



Ms Smith



Year 9 Food 'Flying Start' : Bake Boxes

Options
20

More examples of the excellent work that Year 9 GCSE Food pupils have been achieving. I look forward to reading through their work and seeing how much time and effort they are putting into completing all tasks set so far. This is great preparation for when pupils come back in Year 10; well done.

Mrs Newton

Frances Park

Bake Box Recipe: Chocolate Brownies

Ingredients included:

- 185g dark chocolate
- 185g unsalted butter
- 85g plain flour
- 40g coco powder
- 50g white chocolate
- 50g milk chocolate
- 3 large eggs
- 275g golden caster sugar



Recipe

1. Break up the 185g dark chocolate and chop up the 185g unsalted butter placing them both into a heat proof bowl. Fill a pan $\frac{1}{4}$ full with water and place over a gentle heat. Put the bowl over the pan so it sits on the rim and occasionally stir until the chocolate and butter have melted.
2. Once melted take the chocolate off the heat and whilst you are waiting for it to cool preheat the oven to 180/ 160 fan/ gas mark 4.
3. Line a square 20cm tin with baking paper.
4. Sieve the flour and coco powder into a bowl.
5. Crack the three eggs into the bowl and add the sugar. Whisk them with an electric mixer until they are thick and creamy like a milkshake. This can take 3-8 minutes.
6. Add the cooled chocolate mixture to the eggs and sugar and fold gently trying to keep as much air in as possible. You can fold as slowly as you need to doing a figure of eight.
7. Sieve the flour and the coco powder into the egg mix. Gentle fold it in using the same figure of eight action as before.
8. Chop the white and milk chocolate up into chunks and then mix into the mixture.
9. Pour the mixture into the prepared tin and put into the oven for 25 mins. Once 25 mins is up shake the tin and if the brownie wobbles then it isn't done so put it back in for another 5 mins.
10. Once out of the oven leave it to completely cool in the tin and then take out and chop into squares or triangles.

Kirstie Jackson



Katie McCombe

KATIE'S BAKERY

MY FINAL PRODUCT

I named my bake box company "Katie's Bakery" because I have made different items and I thought the name was simple and its also easy to remember. The background is brightly coloured and if it was in the shop kids would be interested in it as its aesthetically pleasing and looks interesting. I think people would be interested because in one box you can bake three different things.

This is what all the products looked like when they were just made. The cupcakes I decided to experiment and try different types using different ingredients - I learnt what went well and worked with the cakes and I also learnt what didn't work. Personally I believe I need to practice making the cakes look nice and I need to include icing and decoration.

The brownies tasted amazing and it had a perfect texture in it with no lumps or anything. The colour of the brownie is a light colour on top, but a nice delicious chocolaty looking colour on the inside. The taste of the brownie is just right, not too sweet.

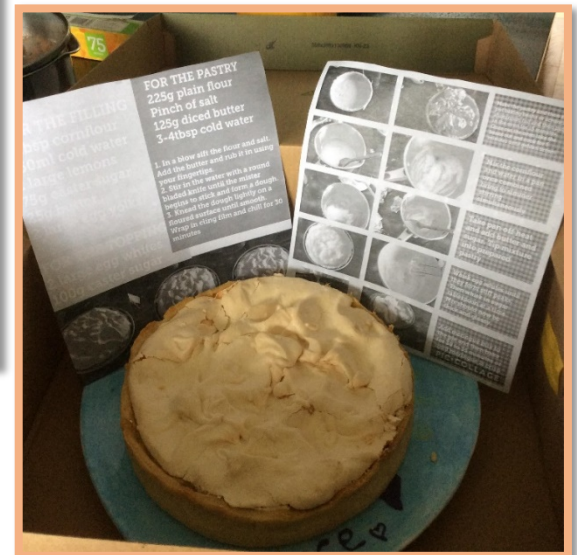
The millionaire shortbread went well but super compared to previous times I've made it. The caramel was just the perfect texture - not too hard and not too runny - There was good amount of chocolate on top compared to the caramel. In my opinion I don't think there was enough shortbread and when I ate it and held it, it fell apart. Next time I think I need to pat down the shortbread more to make it even more tightly packed, so it doesn't fall apart in my hands.

I have done a box with the ingredients in as well as a box with the product.

My final Product of the ingredients baked from the bake box. The Bake box included three different items; brownies, cupcakes (three different types) and magnificent millionaire shortbread. These products are items lots of people enjoy eating and would maybe like to bake themselves. The box will have a printout of the recipe in as well as the ingredients however, they are just on the PowerPoint.

I planned out the baking by baking all the items on different days of the week. I baked the cakes first as they last the longest (when they are kept in air tight container) then two days after I made chocolate brownies and kept them in a container and finally on Friday I made millionaire shortbread.

Grace Jemson



Grace Kellett

Summer picnic flapjacks

Ingredients:

- 250g jumbo porridge oats
- 125g butter
- 125g light brown sugar
- 2-3 tbsp golden syrup (depending on how gooey you want it)

- Method:
1. Heat oven to 200C/180C fan/gas 6
 2. Put 250g jumbo porridge oats, 125g golden syrup in a food processor and pulse until mixed but be careful not to overmix the oats otherwise they will lose texture.
 3. Lightly grease a 20x20 baking tin with butter and spoon the in the mixture. Press into the corners with the back of the spoon so the mixture is flat and score into 12 squares
 4. Bake for around 15 minutes until golden brown



Food Technology

Congratulations to the following pupils for achieving their Bronze Cooking Awards this week.



Bronze Award

Eleanor Hand

Moiz Juno

Emily Shaw



Keep cooking everyone.

Mrs Newton

Achievements during lockdown

Louisa Stanley (8N), usually has **piano lessons** in school and now, during lockdown, she has these lessons weekly via Skype.

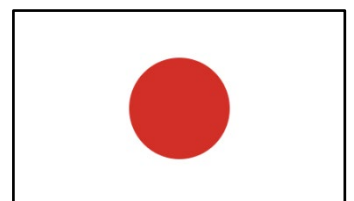


I was delighted to receive an email from Louisa, highlighting that she has been working hard during lockdown and has learnt to play a song on the piano called 'Für Elise'. Louisa send me a short video clip of her playing this piece and it is absolutely fantastic. Very well done.

Miss Maloney

Grace Bott (7C) has used the extra time she has had during lockdown to develop her language skills. Grace has started to **learn Japanese** – a language which has a reputation of being difficult to master!

I am extremely impressed that Grace has challenged herself to try something new. Good luck Grace, or should I say “がんばって”?



Mr Gaffney

Time line of atoms

Grace McKinnell, 9B

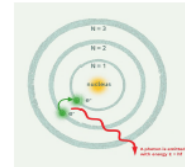
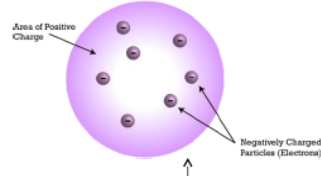
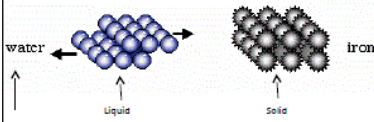
Democritus- He was a Greek Philosopher and he believed that everything in the universe is made up of atoms, in greek the word atom means indivisible.



JJ Thompson- He was a British physicist. Once he'd discovered the electron (negatively charged) he created a model of an atom called the 'plum pudding' model.



Niels Bohr- A Danish physicist. He figured out that the electrons orbited in specific patterns rather than them being scattered.



John Dalton- He was a chemist and thought that all matter was made of tiny particles called atoms, which he imagined as small solid balls. He also developed ideas of atomic mass.



Ernest Rutherford- He was a physicist and him and his team found out that the electrons weren't inside the atom but they were orbiting a small positive nucleus.

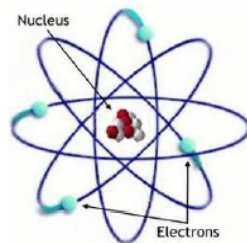


In 1932 he received a Nobel prize.

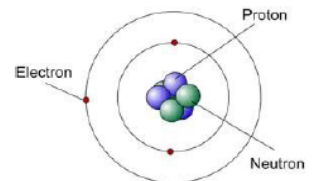
Sir James Chadwick- He was a British physicist and discovered neutron, it helped explain some of the missing mass in atoms.



Dalton's model of an atom.



Rutherford concluded by saying that inside the atom was mostly empty space.



James English, 9H

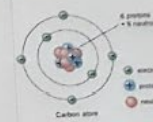
changing ideas about atoms

Democritus proposed that matter was made up of small, hard indivisible particles, which he called atoms from the greek word atomos which mean cannot be cut. He believed substances had different properties because the atom had different shapes.

JJ Thompson discovered the electron in 1897 and suggested a model of the atom called plum pudding model. To explain the two types of electricity, he suggested that the atom consisted of positive 'dough' with negative electrons stuck in it. It matched the evidence at the time.



Niels Bohr Nobel prize winner who worked out that electrons orbit in specific shells. They called it the Bohr model.



1932

1913

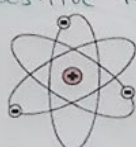
1897

1800

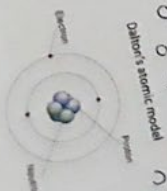
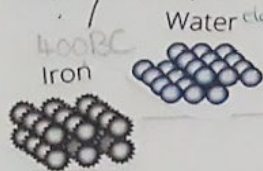
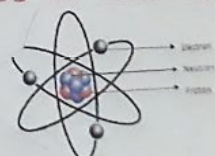
1909

John Dalton thought all matter is composed of indestructible atom and all the atoms of a particular element are identical to each other and different from the atoms of other element (a sample of gold only contains gold atoms etc). Also two or more kinds of atoms can join together in a chemical reaction to form a compound.

Between 1909 and 1911 Rutherford and his team had discovered that the electrons were not inside the atom but actually were orbiting a small positive nucleus.



In 1932 sir James Chadwick discovered the Neutron. This partly helped explain some of the missing mass in atoms.



Katie McCombe, 9H

Democritus 400 BCE
He was a great philosopher who proposed that matter was made up of small hard invisible particles. Democritus named these atoms after the Greek word atomos which means cannot be cut. He believed substances had different properties as the atoms were different shapes. Unfortunately, for Democritus he had no scientific evidence so he was ignored.

JJ Thompson
JJ Thompson discovered the electron. He then suggested that the model atom is called the plum pudding model. To explain his ideas, he said it consisted of positive 'dough' and negative electrons. He made a different model and his ideas matched with the evidence available at the time.

Niels Bohr
He is a Danish Nobel prize winner who worked out electrons orbit in specific shells.

Ernest Rutherford 1909
Between 1909 and 1911 Ernest and his team discovered the electrons were orbiting the nucleus and not inside it. Ernest Rutherford was awarded with a Nobel Prize for his work.

Sir James Chadwick
In 1932 he discovered the Neutron, this helped explain parts of an atom. He was awarded a Nobel Prize in 1935 for his work.

John Dalton 1800
He is known as the father of modern chemistry. John made the first scientific ideas about atoms. He created a model which included these ideas:
→ atoms can't be broken down into anything simpler
→ the atoms of a given element are identical to each other
→ the atoms of different elements are different from one another
→ during chemical reactions atoms rearrange to make different substances
John Dalton visualised things in a similar way to Democritus however he was listened to but Democritus Dalton developed ideas of atomic mass.

Changing Ideas About Atoms
Timeline
Science
Chemistry

THE BROUGHTON OBSERVER

Smallpox and its vaccine



These are some images to do with the smallpox outbreak and vaccine. The one on the left is Edward Jenner. The one in the center is a poster which was used to get people to want to be vaccinated. The picture on the right is what the disease would look like underneath a microscope.

Article by Lucy Mason

Smallpox was one of the worst disease's humans have ever seen. It caused 300 million people to die just in the 20th century alone. If you caught it, you had a 30% chance of dying. If you did survive then you would have nasty scars for life.

Smallpox dates to the Egyptians and spread around the world. By the 18th century it was killing millions of people every year.

The smallpox virus is an infectious disease which is caused by viruses. The viruses were variola major and variola minor. The first symptoms of the disease included vomiting and fever. Soon after this a rash appeared on your skin.

The rash eventually turned into fluid filled bumps. The virus could be spread between people who were in close contact with each other.

Edward Jenner developed the first 'vaccine' to try and prevent smallpox. He injected people with a similar but safer disease called cowpox.

Cowpox is a similar virus to smallpox. Cowpox can infect cows and humans. It produces nasty sores, but it is not fatal. In the 18th century many milkmaids caught cowpox because they were milking cows regularly. During this time the milkmaids were considered as very beautiful.

They were beautiful as they rarely caught smallpox, so they did not have scarred skin. Children had a lot lower death rate. Edward Jenner noticed that the milkmaids were immune to smallpox. He decided to test his theory. Jenner injected cowpox into an 8-year-old boy and then gave him smallpox. He did not get smallpox. By using cowpox, it reduced the spread of smallpox. They have similar pathogens means that the body would learn how to fight cowpox. This means it could also fight smallpox as it had already got the antibodies to fight it. This led to the development of modern vaccines. Edward Jenner is responsible for saving hundreds of millions of lives.

After doing worldwide vaccines of cowpox, smallpox was declared dead. In 1980 it was declared eradicated. This means nobody could now catch smallpox.

The world united to fight this threat that was killing many people. The lessons that were vital and learned was that the vaccine creates antibodies which will fight the disease. Now we need to find a vaccine for the coronavirus like we did with the smallpox 40 years ago.



Lucy Mason, 8N

TASK 11 – GUIDE TO SURVIVING LOCKDOWN!!!

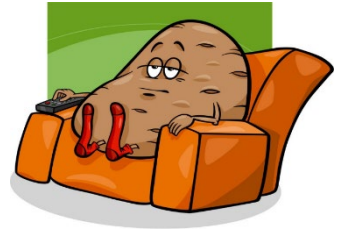
Who would have thought that 2020 was going to be such a memorable year? Sadly, not in the way that most of us would have hoped.

Yet here we are, twelve weeks in, and finding our own survival strategies. Read on for some top tips on how to make the most of lockdown.

How to stay fit and healthy during lockdown

Want to stay slim and trim during lockdown? Have a go at some of the following exercise routines.

- 1) Make your own homemade weights. Try filling two rucksacks with bricks and put them on either end of a broom held horizontally. You might want to check that it's okay with your mum first!
- 2) Hop on your bike and cycle around the Guild wheel - or half of it if you're not quite Bradley Wiggins!
- 3) What about trying the 'couch to 5k' to improve your fitness and stamina.



How to avoid lockdown boredom

Feel like you're living in Groundhog Day? Think about some exciting ways to cure your lockdown boredom.

- 1) Feel like you have nothing to do? Try filming some cool trick shots, or film some 'socially distance tik toks' with your mates.
- 2) If you have a dog, then you should teach them a few tricks. Give some of these a try! <https://www.youtube.com/watch?v=soY1HbsJDz8>
- 3) Try learning some new skills inside the house. Give yourself a challenge like one skill per day. Maybe try learning things like juggling and throwing playing cards.



How to earn money during lockdown

Feel like you want some cash in your back pocket? Maybe you fancy raiding the chocolate aisle at Asda? Here are some top tips on how to do it!

- 1) Offer to do some of those jobs that your family have been putting off for a while. Negotiate a fee at the start e.g. five pounds to paint each fence panel, one pound to vacuum downstairs, or three pounds for a lockdown haircut!
- 2) Offer to help your neighbour with their gardening or shopping.
- 3) Make a deal with your parents around schoolwork.
(One pound per piece of completed work!)



These are my top tips for surviving in lockdown..... GOOD LUCK!

Library News

We have had a couple of busy weeks re-organising so that we may safely re-open for some of our pupils and it really has been fantastic to see them reading in the library again. Plans are ongoing for how the library may re-open/operate for all children in the Autumn term and we will, of course, keep you updated.

For those pupils and families at home, the latest edition of **First News** has now been uploaded to Firefly. **Resources-LRC-First News**

I also want to make a final call for any submissions to our '**Book Spine Poetry**' competition. It's not too late to have a go. Please see some of our earlier newsletters if you are looking for inspiration. It is **open to all** and the closing date is in two weeks on Friday 10th July.

Black Lives Matter-Reading Resources

The National Literacy Trust have curated several age-related reading lists 'to help young people, families and teachers explore race, identity, family and community.... all books featured are by black authors and/or illustrators and exemplify the principles of the Black Lives Matter movement.' The book lists for ages 9-12 and 13-16 can be found on the library section of Firefly or follow the link below for information and more resources:

<https://literacytrust.org.uk/family-zone/zone-in/anti-racism-resources/>



Jamie Johnson: The National Literacy Trust have also teamed up with Scholastic and Dan Freedman (author of the Jamie Johnson series of football-themed books) and are currently enabling readers to download, for free, the first book in the series 'The Kick Off' through the National Literacy Trust website. See the following link for more details: <https://literacytrust.org.uk/family-zone/9-12/dan-freedman-football-challenge/>



The Jamie Johnson TV series (currently playing on CBBC) is based on these books so if your children enjoy the series, why not encourage them to read the book?

World Book Day-Audio Books The World Book Day website is currently working with publishers to provide free access to a selection of audio books for a range of ages. They have extended the time you are able to listen to these books for free and you can find further details here <https://www.worldbookday.com/world-of-stories/> Please be aware if you are allowing children to explore the site themselves that these pages also contain links to online stores where you may purchase physical copies of the books.

Stay safe and keep reading!

'Books are a uniquely portable magic' - Stephen King

Mrs Whitlock

Online Safety Newsletter

July 2020

Facebook: Messenger rooms

Facebook are about to release Messenger rooms which is a group video chat for up to 50 people. *You do not need a Facebook account to be a participant.*

The room creator must be present for a call to begin and is able to remove participants.

Talk to your child about the importance of not sharing any private information. They may not know all participants in a room so if they do feel uncomfortable at any point – tell them to leave the room straightaway. Make sure that your child understands how to report a room or participant if necessary.

As always, have regular chats with your child about what they are doing online. It's really important to make sure that your child knows that they should talk to you or another trusted adult if they have any concerns.

You can find out more about Messenger rooms here:
<https://www.facebook.com/help/819584731857901>

Xbox 360 / Xbox One

Does your child have an Xbox? The Xbox can be used to access the internet so it is important to set up appropriate parental controls based on your child's age as well as review what games they are playing on their console.

What games are they playing?

All games are given a PEGI rating upon release, you should use this PEGI rating to check that it is suitable for your child to play. A PEGI rating tells you what age your child should be to play that game e.g. aged 8+ or 16+.

Visit <https://www.askaboutgames.com/> to find out further information about any games that your child asks to play. This useful site also provides additional guides as well as suggestions for suitable games based on age.

Parental Controls

Both the Xbox 360 and Xbox One consoles include parental settings such as what games can be played and how long your child can play on their console for.

- **Xbox 360 console:** <https://support.xbox.com/help/xbox-360/security/xbox-live-parental-control>
- **Xbox One console:** <https://support.microsoft.com/en-gb/help/4482922/xbox-one-online-safety-and-privacy-settings-for-parents-and-kids>

Xbox's family safety app

In addition to the above parental controls, Xbox have now announced that a new family safety app is currently available for preview and will be released fully later this year. It includes features such as:

- Screen time limits
- Content filters – set filters based on age
- Play and communication settings – block all access to play and communication with others, limit access to “friends only.”

Full story here: <https://news.xbox.com/en-us/2020/05/27/xbox-family-settings-app-preview/>



OK Live App Livestreaming

What is Ok Live?

Ok Live is a video streaming app which is rated 17+ by the App Store. This means the app is not suitable for those under the age of 17. The app allows you to watch livestream videos added by other users from around the world.

Livestreaming is when you share and watch video content in real time. Due to the very nature of the app being live, a user may view unsuitable and explicit content. There is the ability to complain about a video within the app if they view anything upsetting.



Why should I be concerned?

- Users do not need to register to watch livestreams, however to use all functions (e.g. to comment or upload livestreams) you must have an account. To create an account you need to add a mobile phone number.
- Broadcasts can be shown on a map, so if you allow the app to use your location, it will show exactly where you are when streaming which raises safeguarding concerns. If you choose to allow your child to use this app, we would **strongly recommend that location is disabled**.
- Comment facility may lead to contact from strangers
- Livestreams are all recorded and then are available for users to watch at a later date (unless deleted by the user). It's important to talk to your child about what they do share online.

Further information

Further information about livestreaming is available here:

- <https://www.common sense media.org/blog/parents-ultimate-guide-to-livestreaming>

Education from the Advertising industry

MediaSmart produce educational resources designed to provide young people with the tools they need to be critical consumers of the media. Their website includes two guides for parents (Body Image & Advertising and Digital Advertising & Social Media) in order to assist you in supporting your child in developing their understanding:

<https://mediasmart.uk.com/parents>

Facebook update

Facebook is releasing a “manage activity” feature which will allow users to search for and remove posts more easily. Further information is available here:

<https://about.fb.com/news/2020/06/introducing-manage-activity/>

Short videos for delivering online safety at home

Thinkuknow have created this page to support parents during Covid-19. Every fortnight they will release a new video presentation to help you with online safety at home.

<https://www.thinkuknow.co.uk/parents/Support-tools/presentations-for-parents/>

Dove Self Esteem Project

Dove have a whole host of articles, videos and activities on their website as part of their self-esteem project, the aim of which is to boost the self-esteem of young people. The free resources are designed to help parents communicate with their children on a whole host of subjects including media ideals, the effects of cyberbullying and social media.

<https://www.dove.com/uk/dove-self-esteem-project.html>