Virtual Open Evening
Years 5 & 6
Activity Book

Ordinarily at Open Evening we would have lots for our visitors to do in all subject areas so we have put together this set of Virtual Open Evening tasks that the Year 5/6 students can do at home.
Create your own**

Bingley Grammar School Maths Clock!

**Instructions:**
In the Maths department we find the typical analogue clock a bit boring! To stop this, we get potential students to design their own.

Each number is replaced by a different way of representing it. It can be decimals, fractions, percentages, negative numbers and even algebraic equations!! The limit is only your imagination!

An example is shown below, but we’re sure you can do better! Send your creations back to Bingley Maths department!
Create your own Bingley Grammar School Maths Clock!

Name: ........................................................................................................

Primary School: ..........................................................................................
We love reading at Bingley Grammar School!
Match the opening line/s of the story to the title.

<table>
<thead>
<tr>
<th>Opening Line</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>‘In my younger and more vulnerable years my father gave me some advice that I've been turning over in my mind ever since.’</td>
<td>Matilda</td>
</tr>
<tr>
<td>‘It was a bright cold day in April, and the clocks were striking thirteen.’</td>
<td>The Go Between</td>
</tr>
<tr>
<td>‘Mr and Mrs Dursley of number 4, Privet Drive, were proud to say they were perfectly normal, thank you very much.’</td>
<td>Holes</td>
</tr>
<tr>
<td>‘The past is a foreign country; they do things differently there.’</td>
<td>1984</td>
</tr>
<tr>
<td>‘It was the best of times; it was the worst of times.’</td>
<td>Peter Pan</td>
</tr>
<tr>
<td>‘There was no possibility of taking a walk that day.’</td>
<td>Harry Potter and the Philosopher’s Stone</td>
</tr>
<tr>
<td>‘There is no lake at Camp Green Lake.’</td>
<td>The Lord of the Rings: The Fellowship of the Ring</td>
</tr>
<tr>
<td>‘All children, except one, grow up.’</td>
<td>A Tale of Two Cities</td>
</tr>
<tr>
<td>‘When Mr Bilbo Baggins of Bag End announced that he would shortly be celebrating his eleventy-first birthday with a party of special magnificence, there was much talk and excitement in Hobbiton.’</td>
<td>The Great Gatsby</td>
</tr>
<tr>
<td>‘It’s a funny thing about mothers and fathers. Even when their own child is the most disgusting little blister you could ever imagine, they still think that he or she is wonderful.’</td>
<td>Jane Eyre</td>
</tr>
</tbody>
</table>
English

Here is a list of books our English department recommends for Year 6 children.

It would be amazing if you had read some of these books before starting with us in Year 7!

[Images of book covers]

Why not read about some of the topics that you will do this year in other subjects?

[Images of book covers]

Finally, here are some books to keep you entertained!
Autumn is here!
Take some time this month to collect leaves and nuts, what can you identify and create?
How many different nuts can you find on trees?
Are there any on the floor?
See if you can identify what has eaten them!

Now go outside and try to collect different leaves and nuts to create a leaf animal - Hedgehogs and Owls work well!

Why not download the Yr 6 Science Calendar and try some more of the activities?
Food and drink

Escribe las palabras en inglés.
Practica la pronunciación.

café
caramelos
chocolate
coca cola
ensalada
espagueti
fruta
hamburguesa
jamón
limón
melón
mermelada
patatas
sopa
tomate
Look at the map of Spain above and complete the following tasks:

1) Circle the capital city of Spain in RED.

2) Circle the city where you would find the Alhambra Palace in BLUE.

3) Circle the city where you would find La Sagrada Familia in GREEN.

4) Circle the city which is famous for its juicy oranges in ORANGE.

5) Circle the city where you would find the Palace of La Magdalena in PURPLE.
An important part of geography is learning how to read maps. Maps can help you get around or they can tell you a lot about different places (for example, if they are hilly or flat). An important part of being able to read a map is being able to identify a particular location using a grid reference.

Maps have grid lines on top of them and each different line is numbered (look at the map below). The grid reference for the map below will have 4 different numbers; the first two numbers tell you how far along the map a place is, and the second two numbers tell you how far up that place is. When we give a grid reference we always give the number for the bottom left hand corner of a square. For example, if you look at the map below the letter M is at 4418 and the letter F is at 4814.

Use the grid references in the table below and the map to spell out the name of a place. Do you know what this place is like and the kind of animals that you might find there?

Can you use grid references to spell out the name of your favourite place?
Religious Studies

Religious Studies: Ethical Questions
What would you do? Give you reasons...

1. Miranda is all dressed up for a party. Oh dear, her dress really, REALLY doesn’t suit her. You are worried that people will laugh at her. However, you also know she can get angry quickly. Do you tell Miranda that her dress looks bad?

2. Your plane has crashed and you are miles from anywhere with four other people. You haven’t eaten for days and are REALLY hungry and think you won’t make it unless you find something to eat soon. One of your group is very weak and looks like he might not survive. Oh, and you find him quite annoying. Would you ‘put him out of his misery’ and feast on his body so that you and the others survive?

3. A runaway trolley train carriage is hurtling out of control towards five workers on a railway track. You are certain that the carriage will kill them if it hits them. You are standing beside a very fat man on the bridge, overlooking the track. His body is big enough to stop the carriage. Do you push him off the bridge, so that he lands on the track, thereby stopping the carriage and saving the five workers, but killing him?

Don’t worry Year 6, these are theoretical questions and our Religious Studies teachers would never ask our students to push a man off a bridge or eat someone!
BINGLEY GRAMMAR SCHOOL HISTORY QUIZ.

1. What year was the Battle of Hastings? And who won?
2. In which country did Joan of Arc lead an army?
3. Why were the Olympic Games cancelled in 1944?
4. What was the name of the first person to set foot on the moon?
5. Who refused to give up her seat on a bus in 1955?
6. Which country held the first Olympic Games?
7. What was Florence Nightingale’s job?
8. Which famous passenger ship was sunk in 1912?
9. Who wrote in hieroglyphics?
10. Who was the first ever president of America?
11. Which Tudor king had six wives? Can you name them all?
12. When did World War 2 end?
History

Can you name these famous historical people?
Can you match each year with an event and picture?

<table>
<thead>
<tr>
<th>Year</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>1348</td>
<td>Neil Armstrong &amp; Buzz Aldrin land on the moon</td>
</tr>
<tr>
<td>1509</td>
<td>Henry VIII becomes King</td>
</tr>
<tr>
<td>1666</td>
<td>Great Fire of London</td>
</tr>
<tr>
<td>1969</td>
<td>Barack Obama becomes President of the USA</td>
</tr>
<tr>
<td>2001</td>
<td>Queen Victoria dies</td>
</tr>
<tr>
<td>2008</td>
<td>Women win the right to vote in Britain</td>
</tr>
<tr>
<td>1914-18</td>
<td>9/11 Twin Towers attack</td>
</tr>
<tr>
<td>1918</td>
<td>World War I</td>
</tr>
<tr>
<td>1818</td>
<td>Queen Elizabeth II comes to the throne</td>
</tr>
<tr>
<td>1952</td>
<td>World War II</td>
</tr>
<tr>
<td>2008</td>
<td>The Plague (Black Death) reaches England</td>
</tr>
</tbody>
</table>

**History**

- 1066: Battle of Hastings
- 1666: Great Fire of London
- 1901: Queen Victoria dies
- 1918: World War I
- 1952: Queen Elizabeth II comes to the throne
- 2001: Women win the right to vote in Britain
- 2008: 9/11 Twin Towers attack
- 1914-18: World War II
- 1818: Queen Elizabeth II comes to the throne
- 1952: World War II
- 2008: The Plague (Black Death) reaches England
Bingley P.E. Department have set the fitness challenge below for you to have a go at. Why not also try adding your own exercise ideas as well to keep you motivated.

Good luck and keep active every day.
Bingley P.E. Department.

Directions: Roll two dice and add the numbers together. The sum of the dice determines the exercise movement. Your workout should consist of at least 10 rolls of the dice. However, if you’re feeling extra motivated, roll a few extra times to intensify your workout!

Roll a 2 – 5 pushups
Roll a 3 – 15 sit-ups
Roll a 4 – 15 squats
Roll a 5 – 20 mountain climbers (10 each side)
Roll a 6 – 10 Burpees
Roll a 7 – 25 jumps (with or without a rope)
Roll an 8 – 20 lunges (10 each leg)
Roll a 9 – 30 side jumps
Roll a 10 – 20 plank shoulder touches
Roll an 11 – 50 jumping jacks
Roll a 12 – 30 high knees (15 each leg)
Colour by Number Pixel Puzzle Picture
Pictures can be stored in a computer as a grid of numbers. Each number gives the colour of that small area or pixel. This is also the way digital images are stored and represented on a screen.

In this simple colour-by-number puzzle you must recreate the picture by colouring each pixel as given by its number. Look up the colour for each number in the key. For example, colour pixels marked 0 in black, and pixels marked 1 in red.

What algorithm did you use to colour the picture?
Here are three ways:
1) Work along the rows colouring each pixel in turn before moving to the next row.
2) Pick a colour then work along the rows, colouring pixels of only that colour. When you get to the end of the grid, pick the next colour and start again. Repeat this until you run out of colours.
3) Pick an uncoloured square and colour it, then colour all pixels around it that are the same number, moving outwards until there are no more adjacent pixels with that number. Then pick a new uncoloured square and repeat until the whole picture is done.
**Make your own Sketchbook**

1. Fold the paper in half the long way, like a hot dog.

2. Open the paper and fold it in half the short way, like a hamburger.

3. Take one layer of paper, flip the edge back to meet the fold, and crease.

4. Turn the paper over, flip the edge of the paper back to meet the fold, and crease.

5. Place the paper on the table so that you see a W when you look at the end.

6. Cut the center of the W along the center fold. You'll be cutting through five layers of paper and stopping at the cross fold.

7. With your wrists above your fingers, hold the two halves of the hot dog from the top.

8. Turn your wrists to the sides. You will have an open book with four sections.

9. Bring three of the sections together. Fold the last section on top of the other three so that you have a flat book.

Now fill your new sketchbook with drawings, patterns, collage - whatever you want!
In Year 7 we learn about the Eatwell Guide and the importance of eating a healthy balanced diet.

Have a look below to see what the Eatwell guide is and what advice it gives us about eating a balanced diet.

Suggest dishes you could make yourself as a healthy lunch that follows this guide.
Have a go at this Musical Instrument Wordsearch:

Z E Z N N G M H D B K N R C X
O K F W H I K U R I Y I L S M
H L G N K N L D T E D A R F X
T E P M U R T O U N R R T Y Q
D M T U O J Z Y I I P G U W W
G B C H N W S V N V C I B L H
R P H T A H V E S T I E A A J
Z N D G I D T M X T K U L U S
B P K B P L U F L U T E B L G
H W T N L R S U D R Z H S A O
D L U M D V M Q E F F Y X K Q
W Y F T K A Y S B Q V J M L H
R T E S U N P J D T T T Q K M
W R O G X T X A M P A S L U L
P P F R Z L W L M V I J A M V

CELLO  CLARINET  DRUMS  FLUTE  PIANO
TRUMPET  TUBA  VIOLIN

LEADERSHIP  ORGANISATION  RESILIENCE  INITIATIVE  COMMUNICATION
Have a go at this Question Drama game at home with someone in your household, it will help you develop your Drama improvisation skills!

**The Question Game**

With your partner, decide on a location.

Once the setting is established, the two actors begin the scene.

**RULES:**

1. They must speak only in questions. (Normally one question at a time.)
2. No sentences ending with a full stop – no fragments – just questions.

Example:

LOCATION: A popular theme park.

**Tourist:** How do I get to the water ride?

**Ride Operator:** First time at Disneyland?

**Tourist:** How can you tell?

**Ride Operator:** Which ride did you want?

**Tourist:** Which one makes the biggest splash?

**Ride Operator:** Are you ready to get soaking wet?

**Tourist:** Why else would I be wearing this raincoat?

**Ride Operator:** Do you see that big ugly mountain down yonder?

**Tourist:** Which one?

It might sound easy, but continually coming up with questions that progress the scene is quite challenging for most performers. If the actor says something that is not a question, or if they continually repeat questions (“What did you say?” “What did you say again?”), then sadly that actor has lost the game.

You could even play this as a family with a new actor joining the competition each time someone else loses. They can continue using the same location / situation or choose a new setting.
Guess the Brand Activity

We are surrounded by well-known businesses and their branded products and services every day. See if you can name all eleven of these popular brands.
Criminology is one of the courses we offer in Sixth Form but we thought we’d give you a sneak peak of what they learn about.

When a specific crime occurs, sealing off the crime scene very early on is important to prevent evidence from being contaminated or tampered with and to ensure that it is collected and stored safely. There are many different types of physical evidence that a crime scene investigator will attempt to collect at the scene of the crime.

Can you identify the different types of microscopic evidence likely to be found at the crime scene?

- Blood
- Saliva
- Skin flakes
- Hair
- Fibres from clothes
- Fingerprints
- Paint
- Glass fragments
- Soil