



+
Making the leap!

Moving up to

Brinsworth


Academy



Transition Activities

for Year 6





We're really looking forward to you joining our school. This activity booklet will give you some activities that you will hopefully enjoy and will give you a taste of the work you'll be having a go at in different subjects during your time at high school.

Some of the activities are more challenging than others. Have a go, try them with your family, talk to your friends about them.



Contents:

Art

A View from Your Window

English

Seasons Through Poetry

Humanities

Geography

History

Life

Me and Others

Global Awareness

PE and Sports

Loo Roll Challenge

Games to Try at Home

Maths

Maths and Engineering

Maths and Chemistry

French

Research Quiz

Science

Design and Test a Parachute

Technology

The Mobile Phone Stand

Art

A View from Your Window

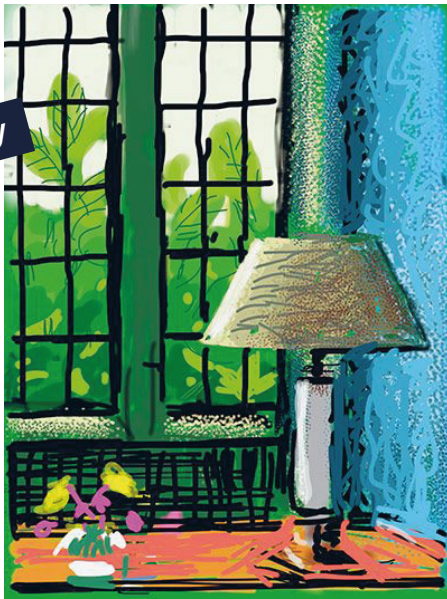


During lockdown, the views from our windows have never been so important. This window can become a picture frame.

- Use any window in your house and try and draw your “view” in one of the windows supplied as a template on the next sheet.
- Have a look at the artists below who have used a different style to do their own window view, or if you don't like the view through your own window you could imagine something fantastical or sci-fi!
- Take your time and look closely at what you see.
- Try to include as much detail as possible - add shade or colour.
- You may not have a proper sketch book at home so use whatever paper you can.



David Hockney



Rene Magritte

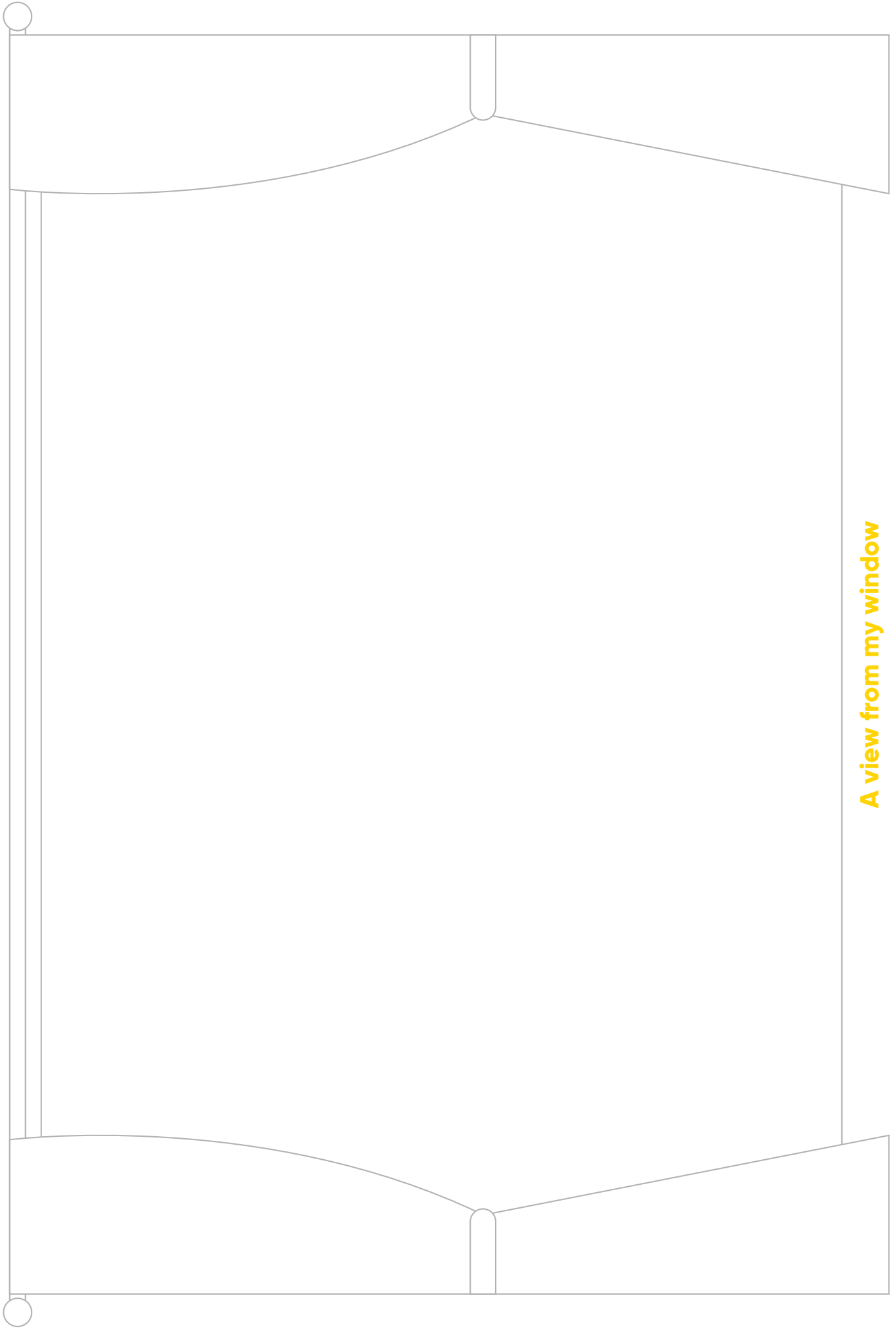


Henri Matisse



Edward Hopper





A view from my window

Seasons Through Poetry



At secondary school, we refer to 'literacy' as English. We study English language and English literature.

English literature is the study of poems, novels and plays.

English literature task 1: When you start properly at Brinsworth it will be the Autumn term. Read the poem below, describing the season of 'Autumn':



Autumn - By Alan Bold

Autumn arrives
Like an experienced robber
Grabbing the green stuff
Then cunningly covering his tracks
With a deep multitude
Of colourful distractions.
And the wind,
The wind is his accomplice
Putting an air of chaos
Into the careful diversions
So branches shake
And dead leaves are suddenly blown
In the faces of inquisitive strangers.
The theft chills the world,
Changes the temper of the earth
Till the normally placid sky
Glow red with a quiet rage.



Vocabulary help:

multitude – a great amount
accomplice – partner in crime
diversions – distractions
inquisitive – curious/questioning
chaos – extreme confusion
placid – quiet, peaceful

1) Why do you think the poet chose to present Autumn as a robber?



2) The poet uses the technique of personification throughout the poem, which is where something non-human is made to seem alive. Autumn is personified as a robber, the wind is personified as its partner in crime, and the sky is personified as being angry about Autumn's 'theft' from summer.

Draw three images from the poem which illustrate this personification and label each with a quote from the poem.



3) How do you think the poet, Alan Bold, feels about Autumn? Support your answer with quotes from the poem.

Extension task: Read some more poems about nature on:
www.familyfriendpoems.com/poems/famous/nature

Magpie words: as you read the poems, jot down words you think are powerful and effective. Try to learn them and use them.

Humanities

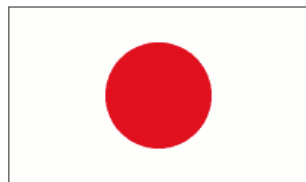
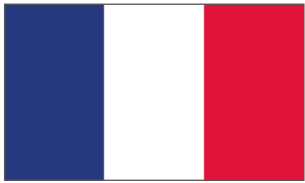
Humanities is the word we use to cover history and geography. When you get to your GCSEs you will study history, geography or a modern foreign language (German). You will be able to choose to study more than one of them. You will also be able to choose any of them in sixth form too.

Geography



Task: Do you know the countries these flags belong to?

Number them and write them below. Look up the ones you don't know.



Extra Challenges:

- 1) Look at a map of the world and see if you can find each country.
- 2) Learn the capital cities of each country.

History



Task: Can you match up the key events and dates in British History?

Check any ones you don't know by using the internet, a book or asking a member of your household.

Magna Carta is signed by King John – the power of Kings is reduced.	Henry VII becomes the first Tudor King	World War 1 ends – the Allies including Britain are victorious	Queen Victorian becomes Queen of England
Date:	Date:	Date:	Date:
Margaret Thatcher becomes the first female Prime Minister	Henry VIII becomes King of England	The Romans leave Britain	The Vikings arrive at Lindisfarne and attack the monastery there
Date:	Date:	Date:	Date:
World War 1 begins. Britain fights against Germany	King Alfred (the Great) defeats the Vikings at the battle of Edington	WW2 begins – Britain fights against Nazi Germany	The Romans arrive in Britain and extend their Empire
Date:	Date:	Date:	Date:
VE Day (Victory in Europe Day). Nazi Germany surrenders to Russia.	William the Conqueror wins the Battle of Hastings	The Windrush generation (from the Caribbean) arrive in Britain	Coronavirus brings a halt to the country – schools and businesses are shut for months
Date:	Date:	Date:	Date:

793 AD	1914	1509	1948
1215	1485	878 AD	1945
2020	1939	1837	1066
1918	1979	43 AD	410 AD

AD means Anno Domini – this is a Latin phrase meaning the Year of the Lord.

BC means – Before Christ.

Life

(Personal, Social, Health, and Economic Learning
and Religious Studies)



Me and Others

Who am I?

This activity involves positive thinking. You will need to think about your personality, interests, hobbies, and achievements.



1. Draw around your hand.
2. Write your name in the middle of the palm.
3. On each finger, write one thing about you. This could include a personality trait, hobby, favourite sport or subject.
4. Use your favourite images or colours to decorate around your handprint.

Global Awareness



Climate Change

It is important to take care of our environment.

During the Government lockdown, there have been several positive reports about the environment. There have been reductions in pollution levels in China, wildlife has returned to the canals in Venice. Oceans and rivers are reported to be cleaner.

Can you think of three things you do at home to try to reduce your impact on the environment.

1. _____

2. _____

3. _____

Challenge: What other environmental benefits around the world can you find out about that have come from lockdown?

Loo Roll Challenge

Challenge 1

Keep the loo roll in the air for the longest you can using any body part.



Challenge 2

3 people needed, Reaction game place the toilet roll on the floor, two people act as challengers and face each other with the loo roll in the middle (about 2m apart). Third person shouts out a body part. Challengers have to touch that body part with their hands, if the third person shouts loo roll the challengers have to grab the loo roll. Win 10 rounds to be the game champion! (Person who loses a game then becomes caller).



Challenge 3

Decide a small space to play this game, then pull the toilet paper into long strands (please see image) imagine they are like laser beams and they must not be touched, place the middle cardboard part of the loo roll somewhere in the small area. The aim is to retrieve the inner loo roll without touching or breaking any of the paper! Time how quickly you can do this. 5 second penalty for each touch.



Games to try at home


If you have a balloon or a small ball these games might be something for you to try:



Sit down volleyball - use socks to mark the court out and net

Danish long ball – slap the ball with your hand, run to one end of the garden and back to the safe zone (complete it and score a point). Each side of the garden has a safe zone, hitter can't be hit with the ball when in end zone, when running from end zones the fielders try and throw a ball at the hitter's legs to get them out.

Badminton – if you haven't got equipment can you adapt use hands & a screwed up piece of paper



Panna – 3-minute game of football no nets you just have to nutmeg your opponent to win

Garden snooker / golf use cups for holes

Head Tennis – Use socks as court and net, use feet and other body parts to hit over the line to your partner



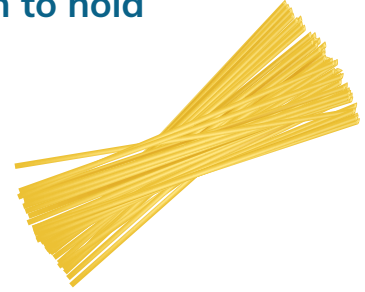
Throw and catch

Maths

Maths & Engineering:

Spaghetti Bridge Challenge

Can you build a spaghetti bridge that's strong enough to hold a bag of sugar?



Maths & Chemistry:

Shrinking Potion

Ingredients (Makes 2 Doses):

- 5 chopped daisy roots,
- 3 skinned shrivelfig
- 1 sliced caterpillar
- one rat spleen
- dash of leech juice

Fill in this table with how much you will need of each ingredient to shrink the different numbers of people!

Ingredients	For 10 people	For 1 person	For 30 people
Daisy roots			
Shrivelfig			
Caterpillar			
Rat spleen			
Leech juice			

French

Research Quiz



- 1) What does the French flag look like?
- 2) Name 5 large cities in France.
- 3) What is the name of the river that runs through Paris?
- 4) Find out the name of 2 supermarkets in France.
- 5) Find the names of 3 French pop stars.
- 6) Name 3 French football teams.
- 7) List 2 types of car which are made in France.
- 8) France is famous for perfume; can you find the names of some brands?
- 9) Find out the names of 2 French newspapers.
- 10) What age do French children start school?

Science

Design and Test a Parachute

Air resistance

What you'll need:

- A plastic bag or light material
- Scissors
- String or strips of the material.
- A small object to act as the weight, a little action figure would be perfect



Investigation:

You need to create different parachutes to find out which one is better at slowing the descent of your object. You need to create one that will create a lot of air resistance.

Whether it is a plane flying or a ball being kicked through the air, air resistance will slow down that object. The particles hit against the moving object and push the object in the opposite direction it is moving. Objects need a larger force than the air resistance to move.

A few questions to think about:

What shape will be best for the parachute?

What size will be best for the parachute?

How does the placement of the string affect the parachute?

Instructions:

1

Cut out the shape you want your parachute to be from your plastic bag or material.



2

Cut a small hole near the edge of each side.

3

Attach pieces of string of the same length to each of the holes.



4

Tie the pieces of string or material to the object you are using as a weight.



5

Use a chair or find a high spot to drop your parachute and test how well it worked, remember that you want it to drop as slow as possible.

What's Happening?

Hopefully your parachute will descend slowly to the ground, giving your weight a comfortable landing. When you release the parachute, the weight pulls down on the strings and opens up a large surface area of material that uses air resistance to slow it down. The larger the surface area the more air resistance and the slower the parachute will drop.

Cutting a small hole in the middle of the parachute will allow air to slowly pass through it rather than spilling out over one side, this should help the parachute fall straighter.

Technology

The Mobile Phone Stand

In Design Technology, we practise being designers and technologists; we overcome problems by coming up with creative solutions and making things. To get you thinking and problem solving, we have a challenge:

Design Problem:

So many people use their mobile phone to watch videos on and yet no mobile phones have stands that allow the user to rest their phone on a table and hold the phone at the right angle to watch it comfortably. You can buy them, but they are often expensive or a nuisance to store.

Design Challenge:

Imagine: Apple, Samsung, or Sony are looking for a new, affordable, mobile phone stand that can be sold in a thin box and can be stored easily. They want it as an added extra to sell with their phones.

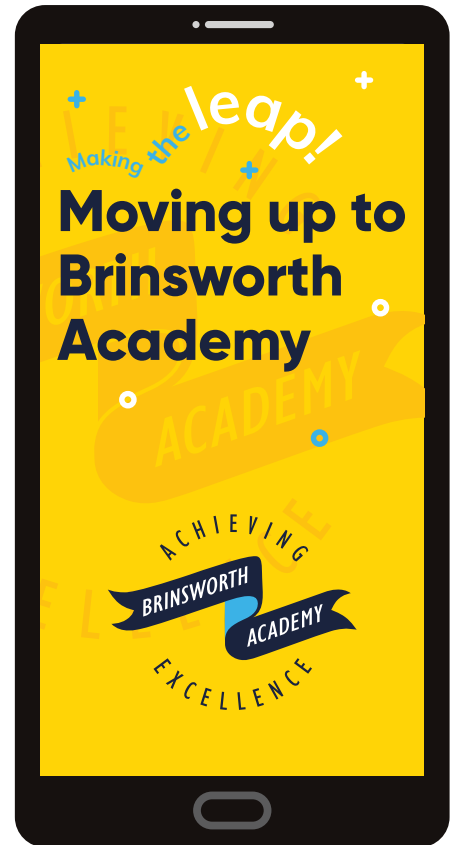
Your task is to design the compact, cheap stand the mobile phone companies want to sell to solve the problem for the user. Remember it needs to be supplied flat and stored away easily when not in use. (Don't cheat by looking at the internet...think for yourself.)

Process:

Sketch out your ideas first.

Then build a prototype modelled from paper or card.

Then test it to see if it works.



You can use this page to sketch your phone stand ideas



**Brinsworth Road
Brinsworth
Rotherham
S60 5EJ**

year6challenges@brinsworth.rotherham.sch.uk

 Brinsworth Academy Y7 2020 Transition

 @BrinsworthAcad1