

THE BOLSOVER SCHOOL

Part of the
REDHILL ACADEMY TRUST
Exsisto Optimus



Nothing but the best



Transition work book 2020

Welcome to The Bolsover School

We hope you are looking forward to joining The Bolsover School in September as the class of 2020. We have lots of exciting things in store for you both in lessons and with our programme of Curriculum Plus activities. You have all worked really hard in Year 6, both within school and when learning at home and will be looking forward to the summer holidays. It is important that you have a well-earned rest and come back refreshed and ready to go in September. However, six weeks is a long time and we think it is beneficial to keep thinking and learning new things. Therefore, we have produced this booklet to provide you with some activities to do that are linked to each of the subjects you will study at our school. These booklets will be returned to your form tutor during the first couple of weeks when you start with us and there will be some House points and some prizes for the best ones in each tutor group and House.

Below is the Bolsover School vision. These are the characteristics and values that will be at the forefront of everything you do over the next five years you are with us. Have a think about which of the 10 core values you're going to aim for first.



The Bolsover School *'Nothing but the Best'*

Trust

- *High Expectation*
- *Confident Learners*
- *Respectful*
- *Widen Experiences*
- *Critical Minds*
- *Subject Experts*

Brave

- *Limitless*
- *Creative*
- *Thirst for learning*
- *Active Learners*
- *Responsible Citizens*
- *Personal Development focused*

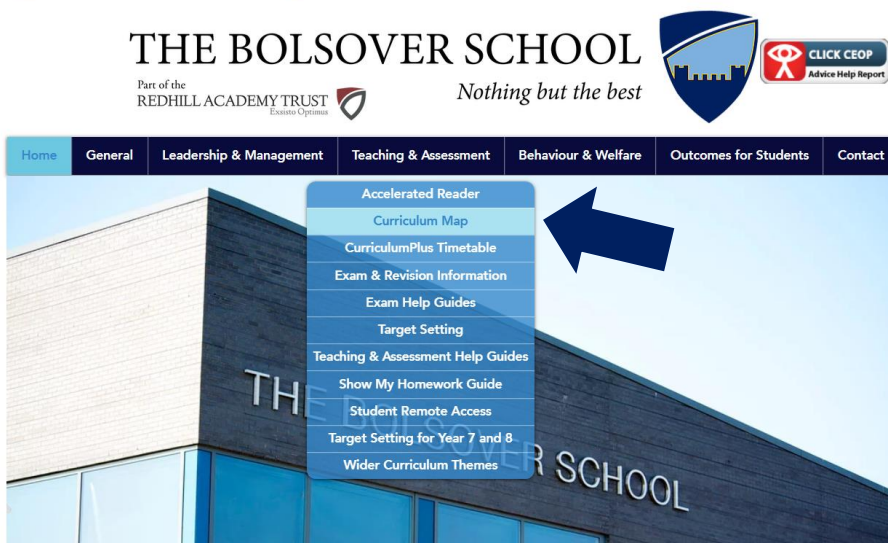
Success

- *Celebrate Achievement*
- *Strong Destinations*
- *Broad & Balanced offer*
- *Literacy focused*
- *Achieving Excellence*
- *Teaching & Learning emphasis*

Core Values

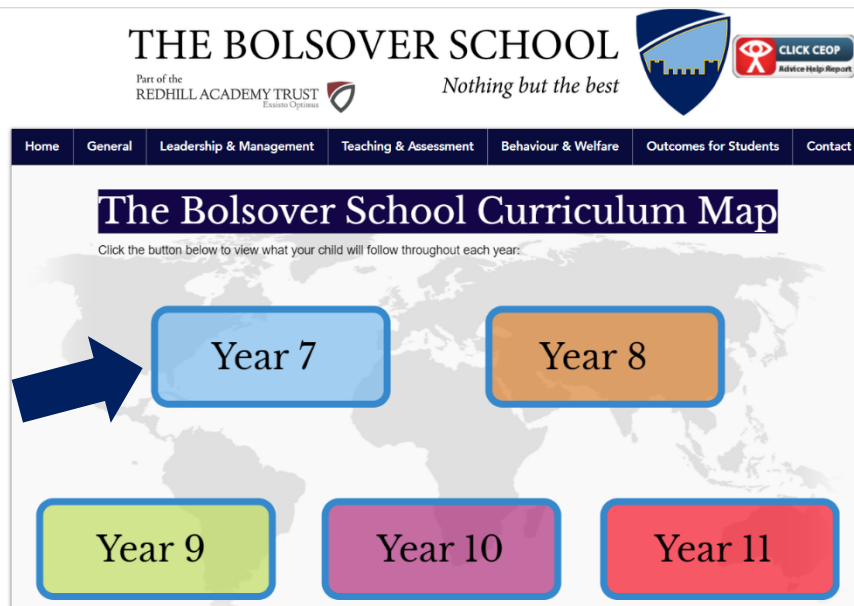
1. *To participate in a careers or curriculum based visit to enrich your education*
2. *To organise individually or as a team member a charity fund raising activity*
3. *To represent your house in at least 10 disciplines*
4. *To make a significant contribution to an arts event within the school*
5. *To represent the school in sports on more than one occasion*
6. *To participate in a curriculum plus activity and/or secure a recognised community award*
7. *To secure a school position of responsibility*
8. *To undertake 3 public speaking events or assemblies*
9. *To lead an effect school based enterprise venture*
10. *Individual target*

Our full Year 7 curriculum map in just two easy clicks



If you want to know what you're going to learn in each subject throughout the year then all you need to do is go to our website.

In just two clicks you will be able to see the full curriculum map for Year 7 which details when you will study all the different topics for each of your subjects.



Clicking on 'curriculum map' under the Teaching & Assessment heading on our homepage will take you straight to the different year groups.

Here you simply click on 'Year 7' and you will be able to scroll down to whichever subject you are looking for. The example below is for History.

History

Term/Weeks	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
Topic	300 minutes - Pirates Anglo-Saxon and Norman England	Anglo-Saxon and Norman England	Religion in Medieval England Problems of Medieval Monarchs	Challenges to the Catholic Church	Changing Ideas	Georgian Period
Knowledge and Skills	Myths and facts - Pirates. Life in Anglo-Saxon times 1066. Norman Invasion. Life in Norman England. Chronology. Cause and consequence.	Norman Invasion. Life in Norman England. Knowledge and understanding Cause and consequence	Thomas Becket. Luther. Peasants' revolt. Reformation. Cause and consequence. Source based analysis.	Mary I. Spanish Armada. Gunpowder Plot. Role of Parliament. Change and continuity	Civil war and Restoration. Great Plague. Great Fire of London. Enlightenment. Cause and consequence. Source analysis.	Judgement and evaluation. Parliament under George I and II. George III. How ideas had changed from the medieval period to 1879- Bolsover castle. Change and continuity



ART: 'ARTIST IN A BOX' SUMMER PROJECT

WEBSITES TO VISIT

Watch videos & have a go at some of the tutorials to develop your skills:

Tate Kids

<https://www.tate.org.uk/kids>

BBC Bitesize

<https://www.bbc.co.uk/bitesize/subjects/z6hs34>
i

The Kids Should See This

<https://thekidshouldseethis.com/tagged/art>

Rijksmuseum Creative YouTube Channel

<https://www.youtube.com/channel/UCSyJmmPVVRZ3Clqm5lqSjMw>

YOUR CHALLENGE:

- Research an artist that you like. Choose one that has a recognisable style from here:
<https://www.tate.org.uk/kids/explore/whos-who>
- Find out some key facts about why the artist has created work in the way that they have.
 - Find a box, no bigger than a shoebox
- Fill the box so it represents your artist. Use things like pictures, colours, symbols, objects, your own work painted in the artist's style, information etc.
 - Use your imagination!



ICT and Business Studies

Welcome
Y6



During your first month in ICT, you will create an animation using Pivot animator. In preparation, visit <http://www.pivotanimator.net> to find out about what the software is and looks like. There are some good examples on this website to give you an idea of what you could create. With the permission of your parents/guardians, you can also download the software to use at home.

TASK: Plan out your own Pivot animation based on the research you have carried out. In lessons you will have two hours to complete your very own Pivot animation.

Binary Task – Use the grids below as an example, design your own Binary Monster, then use the calculations column to work out the binary code.

Ensure you follow the same format as below.

EXAMPLE:

32	16	8	4	2	1	Calculations	Binary Code
1	0	0	0	0	0	$16 + 8 + 1 = 25$	25
1	1	0	0	0	0	$32 + 8 + 4 + 2 = 46$	46
0	0	0	0	0	0	0	00
0	0	0	0	1	0	$2 + 1 = 3$	03
1	1	1	1	1	1	$32 + 16 + 8 + 4 + 2 + 1 = 63$	63

YouTube fun facts



Task: Using the example above as a guide, create your own binary monster. Your task should be completed on a piece of paper and handed into your ICT teacher during your first lesson.

Try something challenging: Start to look at Computer programming using the Code Academy website. Sign up and start to look at programming using Python at your own pace. <https://www.codecademy.com/>

Meet the department



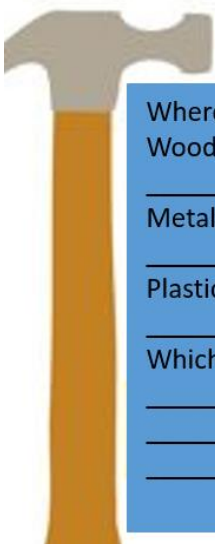


Research the Health and Safety symbols and their meaning. Which do you think would be found in a Design and Technology workshop?



Research the step by step method of how to draw an isometric box. Can you use this to draw more intricate and creative shapes and ideas?

Design a desk tidy which would be suitable for a Year 7 student to keep on their desk at home. It should be able to hold a selection of pens, pencils, crayons, rubber, ruler, sharpener, glue stick etc. everything to help them with any homework to be set by teachers at secondary school.



Where does wood, metal and plastic come from? What is their origin?

Wood: _____

Metal: _____

Plastic: _____

Which products around your home are made from wood, metal and plastic?

English

Write up a diary entry of something you did over the summer.

You must include:

- Something exciting or interesting
- A simile to describe your feelings
- What made it exciting
- A range of verbs
- An element that is completely fantastical – can you make it subtle?

OR

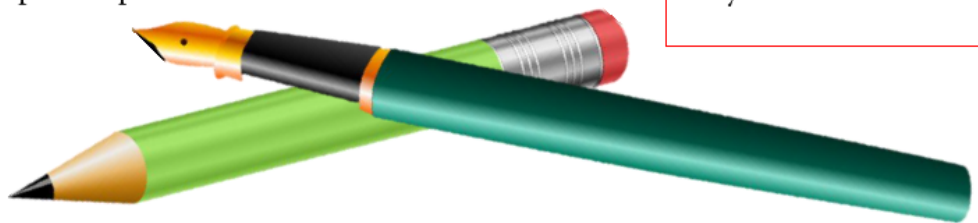
An alien spaceship landed in your back garden over the summer!

Write up a diary entry that describes the spaceship and what happens.

You must include:

- A simile to describe the spaceship
- Powerful adjectives
- Verbs
- Alliteration
- Rhetorical questions

Dear diary...



Possible sentence starters;

Dear diary...
I peered around the window...
I could hear...
Creepily, it came towards me...
Beautifully flying...
Like a flare...
I could see...
Suddenly, it...
I couldn't believe it...
Is this really happening?...
Do you believe me?...

Suggested Reading:

<https://schoolreadinglist.co.uk/reading-lists-for-ks2-school-pupils/suggested-reading-list-for-year-6-pupils-ks2-age-10-11/>

- The Percy Jackson series (Greek Myths)
- *Henry V: Shakespeare Stories for Children* (A Shakespeare Story)
- *The London Eye Mystery* by Patrick Ness
- *A Boy Called Hope* by Laura Williamson

Suggested Activities:

<https://www.nationaltheatre.org.uk/nt-at-home> (Enjoy world-class theatre while theatres are closed)

<https://ed.ted.com/lessons/where-did-english-come-from-claire-bowern>

<https://ed.ted.com/lessons/where-do-new-words-come-from-marcel-danesi>

Food Preparation and Nutrition:

Practical Activities: Watch the video: https://www.youtube.com/watch?v=HY_ygiwVICM

Peeling and chopping: Bridge and claw

Peel a carrot, chop the top and bottom off.

Cut the carrot in half. 1st half cut into rounds:

2nd half

Cut off thin edge.

Cut into 1cm thick pieces.



1cm batons



Cut into julienne



The Bolsover School



Cheesy Potato Bake

Serves 4

Ingredients

- 450g potatoes
- (4-5 medium sized potatoes)
- 150g cheese
- 50g margarine
- 1 tomato
- Pepper
- 2 tablespoons milk



Equipment

Green chopping board, vegetable peeler, sharp knife, plate, saucepan with lid, grater, yellow chopping board, fork, colander wooden chopping board and potato masher.

Method

1. Pre-heat the oven gas mark 5 / elec 190.
2. Half fill a pan with cold water and put on to boil with the lid on.
3. Peel potatoes -peel goes on a plate. Wash potato under the cold tap.
4. Chop up potatoes into even sized pieces and put on to boil for 20-25mins.
5. Grate the cheese on a yellow chopping board.
6. Wash the tomato under the cold tap and slice on a green chopping board.
7. Test the potatoes are cooked and soft using a fork.
8. Make sure the sink is empty, place the colander in the sink, keep two hands on the pan handle and drain the potatoes. Check thoroughly drained.
9. Put potatoes back in the pan, place the pan on a wooden chopping board and add margarine and 2/3 cheese mash the potatoes until smooth and creamy.
10. Carefully spoon into your dish, smooth over the top using a fork.
11. Sprinkle on the rest of the cheese and add sliced tomato.
12. Bake in the oven for 20mins. VERY IMPORTANT: Wash up and wipe down.












Now research:

The EIGHT TIPS for healthy eating.
Present your findings in an imaginative way.

Food Diary	Healthy Alternatives	Explain the health benefits of changes you have made.
Breakfast:		
Snack:		
Lunch:		
Snack:		
Dinner:		

GEOGRAPHY HOLIDAY CHALLENGE

Over the 6 week's holiday see if you can complete the 9 challenges below:

G	Go to a local land mark and write a description below: _____ _____ _____	
E	Explain why you think Bolsover Castle was built where it is: _____ _____ _____	
O	Open your wardrobe and find out what country your 3 favourite items of clothing were made in: _____ _____ _____	
G	Go through your kitchen cupboard and find 3 food items with palm oil in: _____ _____	
R	Read a map. It could be an Ordnance Survey one, a road atlas, a leaflet from a tourist attraction or a map on your phone/computer/tablet. Try and picture what the place looks like in real life.	
A	Angry! That's how the plastic in the oceans makes me feel! What things make you feel angry?: _____ _____ _____	
P	Put yourself in the position of a bird flying over your house. What would it look like? Sketch here:	
H	Happiness is a fantastic thing! Name 3 things in your local area that make you happy: _____ _____ _____	
Y	You are about to start at the Bolsover School. Describe your new route to school: _____ _____ _____	

History Holiday Challenge

Over the 6 week's holiday see if you can complete the 7 challenges below:



H

Happiness is a fantastic thing! Name 3 things in your local area that make you happy:

1. _____
2. _____
3. _____

3



I

Investigate a historical building or place from your local area, for example, Bolsover Castle, Hardwick Hall, Cresswell Crag (you could visit or look it up on the internet or at the library).

I have investigated: _____

I found out: _____



S

So what time period, group of people or country are you interested in from history? Why?



T

Take time to speak to an older relative or person you know and write down their memories of Derbyshire from when they were a child.

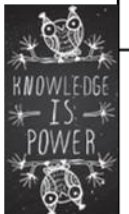
Who did you speak to? _____

What did they say? _____



O

Open your eyes and look at the different types of building in the area you live in. What did you see? _____



R

Read a book, magazine or website about a famous battle, person or event in history – you choose which country you want to look at. I have looked at: _____

I found out: _____



Y

You are about to start your journey at secondary school.

What are you looking forward to?



Maths department - Mini Murder Mystery

Fractions, decimals & percentages

Who

One of the 4 characters below has murdered Mrs X. Analyse the number problems to discover the murderer.

Each one has said which of the numerical statements they believe are true or false. The innocent people have only made 1 or 2 errors. The guilty person has made 3 errors.

- A) 40% of 500 is 200
- B) Half of 390 is 180
- C) 0.6 is the same as 6%
- D) 0.25 is the same as 2.5

- E) $0.6 \times 300 = 50$
- F) $\frac{3}{4} \times 90 = 60$
- G) Half of $\frac{8}{10}$ is $\frac{4}{5}$
- H) 0.085 is the same as $8\frac{1}{2}\%$

The mad scientist said

- A is true
- C is true
- D is false
- H is true



The silly boy said

- E is true
- G is false
- B is false
- D is false



The chef said

- G is false
- C is true
- D is true
- F is true



The artist said

- D is true
- C is false
- E is true
- B is false



Where

The murder took place where these are in ascending order

$$0.109, \frac{1}{10}, 11\%, \frac{90}{1000}, 0.099$$

Nottingham if this order is correct	$\frac{90}{1000}$, 0.099, $\frac{1}{10}$, 0.109, 11%
Derby if this order is correct	0.109, 0.099, $\frac{1}{10}$, $\frac{90}{1000}$, 11%
Sheffield if this order is correct	11%, 0.109, $\frac{1}{10}$, 0.099, $\frac{90}{1000}$
Leicester if this order is correct	$\frac{1}{10}$, $\frac{90}{1000}$, 11%, 0.099, 0.109

When Calculate each answer to find the time and date

Add these fractions together $\frac{5}{8} + 2\frac{1}{6} =$	A) $2\frac{6}{14}$ The time was 6:14 pm	B) $2\frac{19}{24}$ The time was 19:24
	C) $2\frac{6}{24}$ The time was 6:24 pm	D) $\frac{18}{14}$ The time was 8:14 pm
Subtract these fractions $2\frac{2}{5} - \frac{7}{10} =$	A) $1\frac{1}{10}$ The date was 1/1/19	B) $1\frac{3}{10}$ The date was 1/3/19
	C) $1\frac{7}{10}$ The date was 1/7/19	D) $3\frac{7}{10}$ The date was 3/7/19

Why. Decode the message to find out why Mrs X was killed

a 20 ÷ 0.5	b $1.8 \times \frac{1}{2}$	c 4.5 + 6.5	d $36 \times \frac{3}{4}$	e $3 \div \frac{1}{4}$
f $\frac{2}{5} \times 15$	g $\frac{3}{10} \times 5$	h $3\frac{7}{8} + 1\frac{1}{8}$	i 0.95 × 2	j Half of 66
k $\frac{7}{12} - \frac{1}{6}$	l $6 \div \frac{1}{5}$	m $\frac{1}{4} \times 2 \times 2$	n 0.7 × 0.7	o $\frac{5}{8} \times 4$
p 5% of 40	q 26% as a decimal	r 15% of 50	s $\frac{1}{4} \times \frac{4}{5}$	t 10% of 36
u $3 \div \frac{3}{4}$	v 1.5 ÷ 2	w $4 - 3\frac{3}{4}$	x $\frac{3}{5}$ of 30	y or z $1\frac{1}{2} \times 6$

$\frac{1}{5}$	5	12	27	1.9	27	0.49	3.6	30	1.9
$\frac{5}{12}$	12	6	7.5	40	11	3.6	1.9	2.5	0.49
$\frac{1}{5}$	40	0.49	27	1.9	30	2.5	0.75	12	3.6

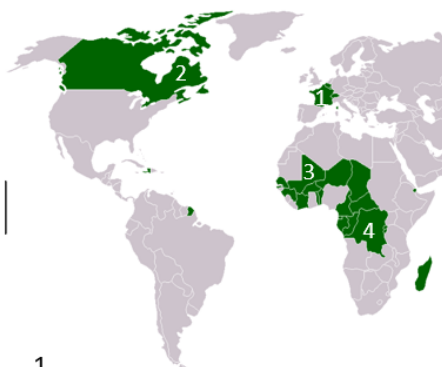
5	12	1

Final Accusation	
Who	
Where	
When	
Why	

French is an official language in **29** countries! **German** is the most spoken language in Europe and **Spanish** is the **2nd** most spoken language in the world!

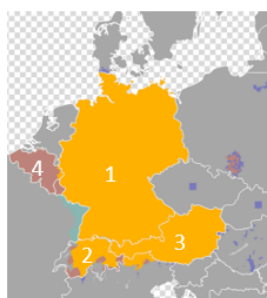
Section A. Can you name the countries which speak the languages, below?

French



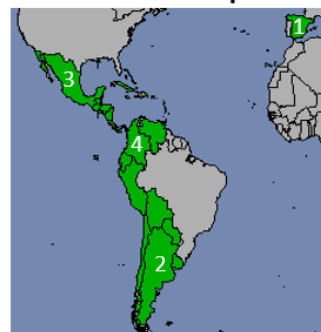
1. _____
2. _____
3. _____
4. _____

German



1. _____
2. _____
3. _____
4. _____

Spanish



1. _____
2. _____
3. _____
4. _____

Foreign languages often contain cognates (words which look or sound like English words) which can help you guess what they mean even when you haven't seen them before.

Section B: Can you translate the texts below into English, using the cognates to help?



J'**adore** le **sport**, par **exemple** le **foot** et le **tennis de table** mais je **déteste** le **cyclisme** et aller au **cinéma**. Mon **passe-temps préféré**, c'est les **jeux-video**.



Ich **finde Bücher interessant** und ich bin **sportlich**. Ich gehe **schwimmen** und ich **jogge** mit meinen **Freunden**. In meiner **Freizeit** spiele ich **oft Gitarre**.



El **ciclismo** es **interesante** y me fascinan los **reptiles**. Mi **actividad favorito** es ver la **televisión**. **Detesto** los **espaguetis** y la **música** es **irritante**.

Why learn a foreign language?

- to improve your communication skills!
- to help you get a job!
- to get a better understanding of your own language!
- to get an understanding of different countries!
- to help you travel the world!
- to help you get into University!
- to help you travel the world!

Section C: Time for more? Go to <https://bit.ly/2Wb7R3V> and take an online quiz to test your expertise!



Who am I?

<https://www.mydso.com/dso-kids/>

My name is Mr Stacey. In Music we will be studying lots of different styles and genres of Music, learning about different composers and performing and composing on the instruments within the department.



Using the information on this page can you work out the 6 words below?



Which do you like best?
And why do you like it?

Rainbow – Since you've been gone
Mozart - Eine kleine nachtmusik
Schwartz – Defying Gravity

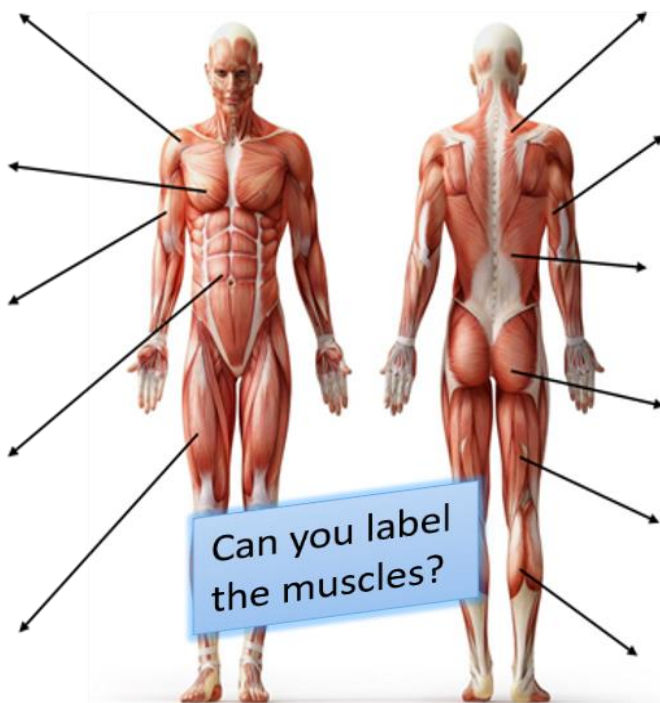


Y7 Physical Education 2019-2020



Create a sporting profile of yourself.
Things you may wish to include:

- Name the sports you participate in.
- How long you have been doing these sports for.
- List your sporting achievements.
- Include pictures if you wish.
- The reasons why you participate.
- What does sport mean to you?
- Who is your sporting idol and why.



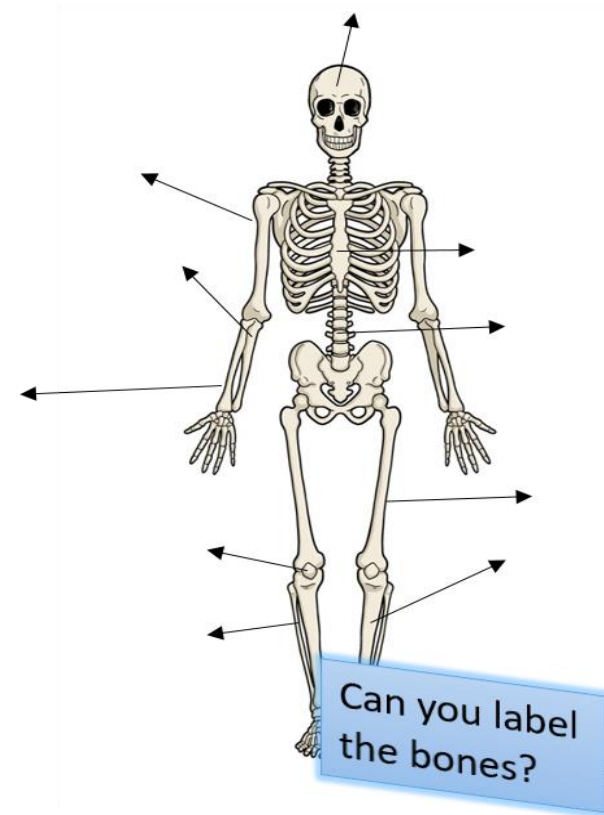
Extension:

1. Can you run continuously for 5 minutes without stopping?

Challenge - Are you able to do this at least once per week during the summer holidays?

2. Keep an exercise diary of the activities you take part in during the Summer holidays.

Challenge - Are you able to take part in at least 1 sporting activity per week?





RE Holiday Challenge

Over the 6 week's holiday see if you can complete the 8 challenges below:

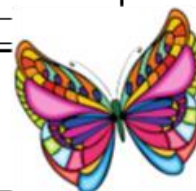


R

Read one of the following stories: Noah, Moses, Good Samaritan – what is the lesson?

E

Explore your local area and draw what you can see.



L

Look for religious buildings – make a list of them

<https://www.taj-mahal.net/newtaj/>



I

Investigate what a symbol is and design one to represent you.



G

Go and talk to a grown up, ask them what they know about religion.



I

Investigate a local church – what happens there?

<https://www.canterbury-cathedral.org/visit/information/tour/>



O

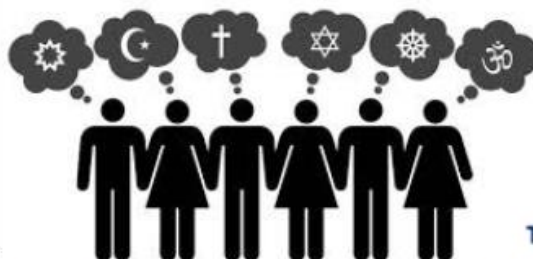
Open your eyes to the world we live in – draw a picture of something you find inspiring.

• <http://sgpc.net/sri-hamandir-sahib-3d-view/>



N

Name the six world religions? Do you know any others?



Science Summer Challenges

Things to do

1) Disappearing water

- Collect a saucer or small bowl and add a small amount of water to it.
- Leave in the bathroom overnight on the window sill (leave the window closed).
- What happens?
- Repeat the next night but leave the window open (on vent – or narrowly open).
- What has happened now?

2) Melting ice

- You will need two ice cubes and two different surfaces. One metal (perhaps the draining board) or one not, perhaps the kitchen work top.
- Feel both surfaces. Which feels hotter?
- You are going to place the ice cubes on the surfaces and see which one melts first. Make a prediction. Which one will melt first and why?
- Place the ice cubes on the metal and non-metal.
- Leave for a while but keep checking on these.
- Which one melts first? Why?
- Remember to wipe up any water (especially on the floor)!

3) Bending straws

- Place a straw or fork into a glass of water.
- Look at the straw. What seems to happen to the straw?
- Why?

4) Impossible water balloon

- You will need a water balloon and (preferably) a glass milk bottle (although plastic should also work).
- Fill the balloon with water so it is a little bigger than the end of the bottle. Tie the balloon.
- Boil the kettle and (carefully) add the water to the milk bottle so that it is a 1/3 full.
- Put the balloon on top of the milk bottle. Leave for the water to cool. What happens?

Things to read

- [Women in Science: 50 Fearless Pioneers Who Changed the World](#) (10+)

This illustrated encyclopedia of women who've made important discoveries and contributions in a wide variety of STEM fields emphasizes their achievements and obstacles they overcame.

- [Bomb: the Race to Build, and Steal, the World's Most Dangerous Weapon](#) (12+)

This suspenseful, detailed account of the development of the first atom bombs includes chemistry and physics. It also shows how the bomb effectively ended World War II and led to the Cold War arms race between the United States and Russia.



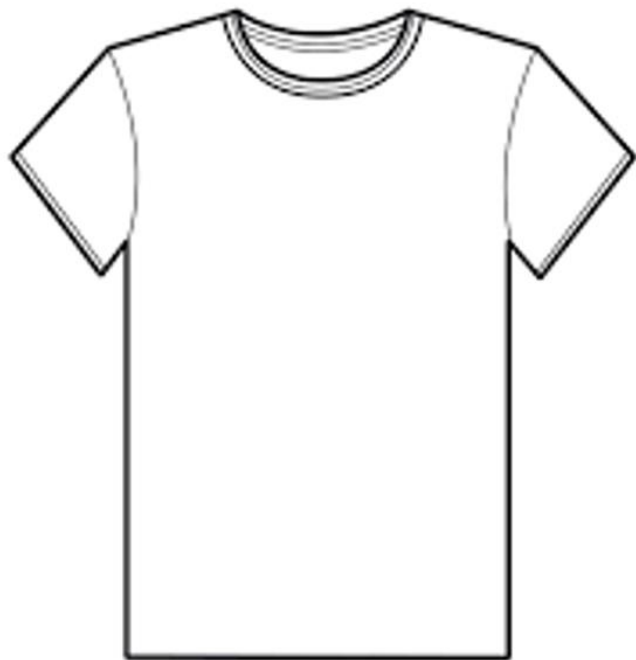
Name 5 pieces of **equipment** you think you will be using throughout Y7 in Textiles;

- 1)
- 2)
- 3)
- 4)
- 5)



Create a **design** on the t-shirt below. Your design must be based on the theme '**Save the Planet**'. **Annotate** your design with your reasons for choice.

Textiles



Research where the following materials come from. Write down your answer in the box at the side.

Material	Where it comes from?
Cotton	
Linen	
Silk	
Wool	

Research the difference between **natural** and **synthetic** materials.

