## Strengthening Foundations at Chorlton High School

Year 9

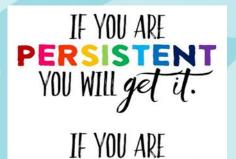
## **Strengthening Foundations**

In all the subjects there **are important concepts and ideas that help you to understand a topic** and provide the foundations on which you build future learning.

If you don't have solid foundations, the rest of your knowledge and understanding will be unstable and this can hinder progress

Your teachers have put together some **key pieces that cover this essential knowledge for their subjects.** The tasks will help ensure your foundations are secure and that you have a sound understanding of key topics.





CONSISTENT

YOU WILL keep it.

We suggest that at the very least you choose two or three tasks from subjects you want to improve in. You can do this towards the end of the holiday – a week or so before you come back and over the transition days or maybe even – dip into tasks over the holiday period if you have time to spare or nothing else to do.

We all know that creating a stable foundation takes regular practice.

There is no specific expectation – it is totally down to you! BUT guaranteed – completing some of the tasks will help your progress and confidence.

## **Strengthening Foundations – Mental Fitness**

Being successful is not just about how well you do in class, its also about how you feel. Everyone is different, everyone is special. Sometimes we need to remind ourselves of that! These are some simple tips to help you stop, breathe, reconnect and remind yourself of how brilliant you are. Make this a priority.



## **Strengthening Foundations in Art**

Using the link: You will find all filmed lessons and demos to support your learning detailed in the bricks below.



#### Once completed, move up a level-send us what you have on TEAMS!

l T	Lesson 1: Line: https://www.bbc.c o.uk/bitesize/guide s/z3pp3k7/revision /1		Lesson 2: Colour: https://www.bbc.c o.uk/bitesize/guide s/z9bbk2p/revision /1	NAME AND ADDRESS OF AD	Lesson 3: Tone: https://www.bbc.c o.uk/bitesize/guide s/z2thmsg/revision /1		Lesson 4 Shape: https://www.bbc.c o.uk/bitesize/guide s/z2thmsg/revision /1		Lesson 5 Form: https://www.bbc.c o.uk/bitesize/guide s/z2thmsg/revision /1		

## **Strengthening Foundations in Business**

#### **LEARN - Organisational Structures**

- Explain why an organisation may delayer and the impact of this decision.
- Describe the term 'delegation'.
- Explain different job roles at each level of an Organisational structure.
- Describe the positives and negatives of communication in a tall organisational structure.

#### WATCH:- Erin Brockovich (Sky/Netflix)

Erin Brockovich is an American legal clerk, consumer advocate, and environmental activist, who, despite her lack of formal education in the law, was instrumental in building a case against the Pacific Gas and Electric Company (PG&E) of California in 1993.

Will enable learners to develop and understanding for environmental issues relating to business and how neglecting responsibility can have severe consequences on workers and the local environment.

#### LEARN - Production Processes

- Provide three examples of how a business could implement lean production.
- Explain two benefits of a business using job production
- Explain whether job or flow production takes the longest to produce goods.
- Define kaizen

WATCH - Startup.com (Documentary) Startup.com is a 2001 American documentary film about the dot-com start-up govWorks.com, which raised \$60 million USD in funding from Hearst Interactive Media, KKR, the New York Investment Fund, and Sapient. The startup did not survive, but it became a reference for lessons learned

**Discuss** the <u>benefits and</u> <u>risks</u> of a large business allowing staff to use their mobile devices on the company Wi-Fi Business Ownership: <u>Describe</u> three reasons why people start businesses. <u>Explain</u> which ownership type a large business is likely to have and why.

#### Business Case Studies https://businesscasestudies.co.uk Business studies learning resources You can independently learn business studies theory online with revision pages, free case studies from real world companies and associated lesson materials and worksheets.

#### VISIT - Amazon Fulfilment centre tour

https://www.aboutamazon.co. uk/amazon-fulfilment/tour-anamazon-fulfilment-centre/ This tour of the Amazon fulfilment centre will help develops students' knowledge and understanding for the importance of business location in relation to delivering goods efficiently and in a timely manner. Based near Manchester City Centre this is tour students can book independently to go and visit to extend their learning.

## **Strengthening Foundations in Computer Science**

#### WATCH - The Social Network (Netflix/Sky)

In 2003, Harvard undergrad and computer genius Mark Zuckerberg begins work on a new concept that eventually turns into the global social network known as Facebook. Six years later, he is one of the youngest billionaires ever, but Zuckerberg finds that his unprecedented success leads to both personal and legal complications when he ends up on the receiving end of two lawsuits, one involving his former friend. Based on the book "The Accidental Billionaires."

**BIO:** the British Informatics Olympiad. Lots of hard coding problems. Like the maths challenge... only for programming! http://www.olympiad.org.uk



Describe how the <u>CPU</u> processes data, referring to the following in your answer: * The fetch-execute cycle * RAM * registers in the CPU	Think Python: a very good book (and free!) explaining thinking strategies for problem solving and how these link to code. Chapters 1-14 are sufficient for GCSE. <u>http://openbookproject.net/th</u> <u>inkcs/python/english3e/</u>	WATCH - The Secret Rules of Modern Living: Algorithms <u>https://www.bbc.co.uk/programmes/p030s6b3</u> Mathematician Professor Marcus du Sautoy demystifies the hidden world of algorithms. By showing us some of the algorithms most essential to our lives, he reveals where these 2,000-year-old problem-solvers came from, how they work, what they have achieved and how they are now so advanced they can even programme themselves.			
VISIT - the Museum of Science and Industry (Manchester) - Develop your understanding of	defensive programming	stored in a 1D array called "numbers"			

*Computer Science issues* and coding in an out of classroom

**Explain** two features of an IDE that help developers write robust code

numbers.length #alternative way to get the length of a list or array

mid = numbers / 2median = numbers[mid] OUTPUT median

## **Strengthening Foundations in DT**

- All your tasks use BBC Bitesize or GCSE Pod
- For each topics start with the test so you can work out what you know and what you need to focus on.
- Once you have done the test go back to the 'Revise' section and the 'video' section and learn what you
  did not know!
- Create a mind map or revision cards to use to support your revision for future assessments.

#### Timber based materials

https://www.bbc.co.uk/bitesize/guides/zkvny 4j/revision/1

#### Paper and board sources

https://members.gcsepod.com/shared/p odcasts/title/12600/77354

#### Material properties

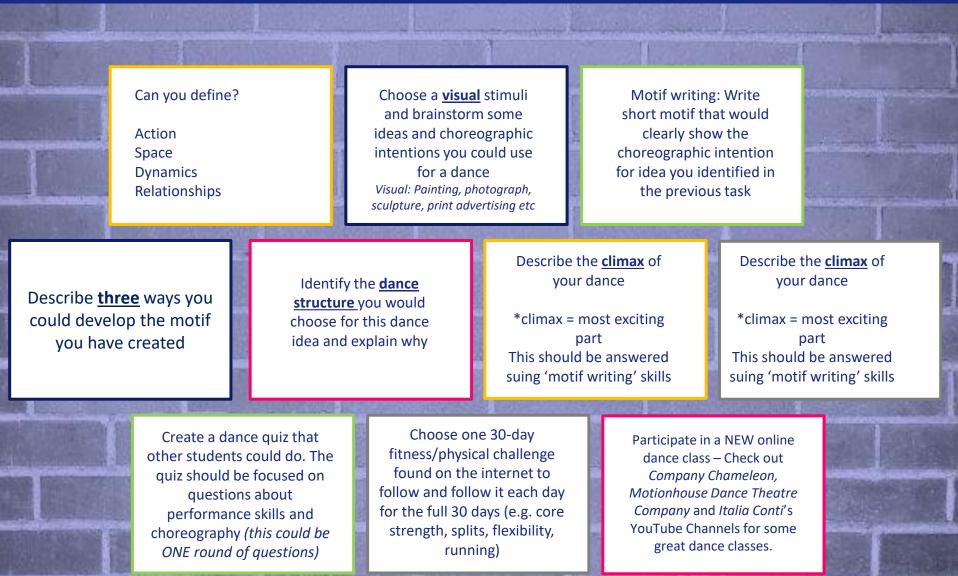
https://www.bbc.co.uk/bitesize/ guides/zjgyb82/revision/1

#### Paper and boards

https://members.gcsepod.com/shar ed/podcasts/title/12603/77358 Ecological and social foot print

https://members.gcsepod.com/shared/ podcasts/title/12576/77262

## **Strengthening Foundations in Dance**



## **Strengthening Foundations in Drama**

	<u>Getting Ready</u> <u>Drama</u> <u>https://s3-eu</u> <u>1.amazonaws.co</u> <u>sepod.com/asse</u> <u>ed/3d0c313c-f8</u> <u>9ad3-5732abe6</u>	a u-west- om/cdn.gc ets/upload 896-492c-	Epic theatre a Brecht <u>https://www.bb</u> <u>tesize/guides/zw</u> <u>evision/1</u>	<u>c.co.uk/bi</u>	Theatre in edu https://www.bb tesize/guides/zs sion/1		
/bitesize/	heatre ww.bbc.co.uk guides/ztfk6s evision/1	tesize/guid	ng a	Vocal interpretation of a character <u>https://www.bbc.co.uk/bi</u> <u>tesize/guides/zbbj47h/rev</u> <u>ision/1</u>		GCSE Pod Brothers by Willy Russell https://members.gcsepo d.com/shared/podcasts/ti tle/11765/72584	
	AQA GCSE Di https://www. Drama-Annie-	amazon.co.	uk/AQA-GCSE-	AQA GCSE Drat Revised E	The second secon		

## **Strengthening Foundations in English**

Lord of Macbeth

the

Flies

Language

Jekyll

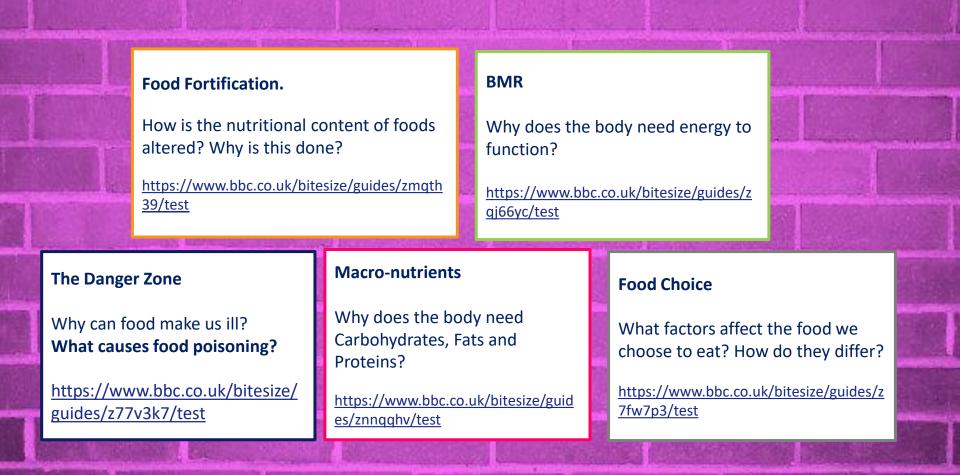
and

Hyde

Complete pages 2-7 of this workbook to revise analysing language: <u>https://files.schudio.com/chorltonhi</u> gh- manchester/files/documents/05 A O2 - Analysis of Language - Literature Workbook Topic 1- 3.pdf	Log in to Seneca learning and complete section 6 'literary techniques' within Jekyll and Hyde: https://app.senecalearning.com/classroo m/course/d84e51a0-3ca2-11e8-aa2a- 6f57cfa13a6c/section/a76aa940-3daa- 11e8-b7ed-f5479d84760c/session	Read William Golding's essay titled 'Why Boys become Vicious'. What do you think the main message or idea of this essay is? <u>https://docs.google.com/documen</u> <u>t/edit?id=1yPj2vBGFIoWf9YVBD7</u> <u>WGAscqZjgREGk7CcHo8rG5S- I&amp;hl=en</u>	Is the character Macbeth a hero or villain or a bit of both? Write a paragraph on your views. Give reasons for your opinions. You might want to research what a 'Greek Tragic Hero' means to support your thinking.
Type into an image search engine 'Jekyll and Hyde duality art work'. Use the images as inspiration to design your own piece of art that shows what you understand the word <b>DUALITY</b> to mean in the text	Watch the first 5 minutes and 30 seconds of this video: https://www.ted.com/talks/chimamanda_ngozi_adic hie_the_danger_of_a_single_story?language=en What does the writer mean by "the danger of a single story"? Then choose one of the writers from this GCSE Pod to find out more about: https://members.gcsepod.com/shared/podcasts/titl e/13855/83890	Read Act 1 Scene 1 and Act 1 Scene 3 of Macbeth (remember Sparknotes.com has a 'No Fear' section). How are the witches presented and how would the Shakespearean audience have reacted? Use the home study section of Teams to review the week of lessons on witchcraft	The boys on the Lord of the Flies island think there is a monster (a 'beast') in the jungle. One of the boys says the key quotation " <b>maybe there is a beastmaybe</b> <b>it's only us</b> ". What do you think he means here?
Right click and watch these two Youtube clips to revise the first and last time we see Lady Macbeth in the play. How does she change and what do you feel causes this change? <u>Act 1 Scene 5</u> <u>Act 5 Scene 1</u>	Watch this BBC clip and list some of the different historical pieces of context that influenced William Golding to write Lord of the Flies: <u>https://www.bbc.co.uk/programmes/</u> <u>p00w8byz</u>	Right click and open the 'strip back' (link 1) or 'wheel' (link 2) method to revise how to analyse the language in a quotation: Link 1 Link 2	Listen to the four GCSE Pods (4,11,12,18) that have the word "theme" in the title to explore some of the wider ideas in Dr Jekyll and Mr Hyde: <u>https://members.gcsepod.com/</u> <u>shared/podcasts/title/10339/63</u> 513
Look at <u>this</u> metaphorical picture on the right to represent the Lord of the Flies boys stranded on the desert island. What does it possibly reveal to you about the plot and characters? (paste to enlarge)	Listen to the 'comparing texts' GCSE Pod: <u>https://www.youtube.com/watch?v=FghprVBy</u> <u>SQw</u> To find out more about this exam skill and question, watch this BBC Teach video: <u>https://www.youtube.com/watch?v=FghprVBy</u> <u>SQw</u>	Complete this Bitesize character test about the characters in Dr Jekyll and Mr Hyde: <u>https://www.bbc.co.uk/bitesize/g</u> <u>uides/zqs3j6f/test</u>	Listen to the 5 'plot' GCSE Pods to recap the main events in Macbeth act by act: <u>https://members.gcsepod.com/</u> <u>shared/podcasts/title/12516/7</u> 6899

## **Strengthening Foundations in Food and Nutrition**

- All your tasks use **BBC Bitesize**
- For each topics start with the test so you can work out what you know and what you need to focus
  on.
- Once you have done the test go to the 'Revise' section and the 'video' section and learn what you
  did not know!



## **Strengthening Foundations in Health & Social Care**

- All your tasks use BBC Bitesize
- For each topics start with the test so you can work out what you know and what you need to focus
  on.
- Once you have done the test go to the 'Revise' section and the 'video' section and learn what you
  did not know!

#### Jobs in Health Care

What jobs are available in the health care sector? What qualifications do you need? https://www.bbc.co.uk/bitesize/articles/zbdh mfr

#### **Priority Health Issues**

Individuals who have a BMI over ... are considered obese.?

https://www.bbc.co.uk/bitesize/guides/z 7yttv4/test

#### **Human Reproduction**

During what life stage do our bodies get ready for reproducing? In what life stage do most people reproduce in?

https://www.bbc.co.uk/bitesize/guides/z9 fgr82/test

#### Macro-nutrients

Why does the body need Carbohydrates, Fats and Proteins? Does everyone have the same nutritional needs?

https://www.bbc.co.uk/bitesize/guides/z nnqqhv/test

## Nutrition at Different Life stages

Why do adolescent females need to increase their iron intake?

https://www.bbc.co.uk/bitesize/guides/z 7yttv4/test

## **Strengthening Foundations in Geography**

EXTEND

#### **FLIP LEARNING**

Next year you will cover have **Urban Futures and Dynamic Development.** Go onto SENECA & GCSEPod and familiarise yourself with these topics, **BEFORE** covering them in lesson

#### TIME FOR GEOGRAPHY

Go to: https://timeforgeography.co. uk/ And watch any video relating to coasts, rivers and ecosystems.

#### **READ** Go onto **National Geographic** and find articles relating to the topics we have studied this year. Reading them will enrich your understanding of key themes in Geography.

# FOUNDATION

#### SENECA

Test your knowledge by reviewing **ALL** sections on 1 Global Hazards; 2 Changing Climates; 3 Distinctive Landscapes

ENRICH

#### GCSEPod

Focus on revising case studies – Australian Drought; Nepal Earthquake; Dorset/Jurassic Coast

#### **MS TEAMS**

Look back through this years lessons, focusing on lessons you have missed, or topics you feel unconfident with.

## **Strengthening Foundations in History**

Watch a video or listen to a podcast from the Year 10 History Enrichment list:	Read a book from the Year 10 History Reading list:	Research Manchester during the Cold War	
<ul> <li>The Victorian Slum (Watch BBC 2016)</li> <li>JoJo Rabbit</li> <li>Hidden Figures</li> <li>Great War Interviews (BBC iPlayer)</li> <li>Blackadder (Watch BBC)</li> <li>Bridge of Spies</li> <li>Chernobyl (15)</li> </ul>	<ul> <li>Black and British by David Olusoga</li> <li>War Horse by Michal Morpurgo</li> <li>The Help by Kathryn Stockett</li> <li>Hitler by Ian Kershaw</li> <li>The Cut Out Girl by Bart Van Es</li> </ul>	Research America in the 1960s. Why was it a country divided? What is your interpretation of Germany so far? Write an A4 page with your opinion	
Complete the topic of Germany on Seneca	Create a set of flashcards for your knowledge from class	Dual code all your knowledge you have learnt so far	

## **Strengthening Foundations in Languages: SPANISH**

Be sure you are past tense ready for year 10! <u>https://classroom.thenati</u> <u>onal.academy/units/year-</u> <u>8-unit-1-1dfc</u> Be sure you are present tense ready for year 10! <u>https://classroom.then</u> <u>ational.academy/units/</u> year-8-unit-2-ee0b

Be sure you are past tense ready for year 10! https://www.bbc.co.uk/bi tesize/topics/zg9mhyc/arti cles/z63n7nb Do you know your Vocab for Free-Time Activities?



Do you know your Vocab for Festivals and Celebrations?



Do you know your Vocab for Family and Friends?



Immerse yourself in Spanish Culture: Make a Tortilla! https://www.bbcgoodfoo d.com/recipes/spanishtortilla Do you know your Vocab for technology?

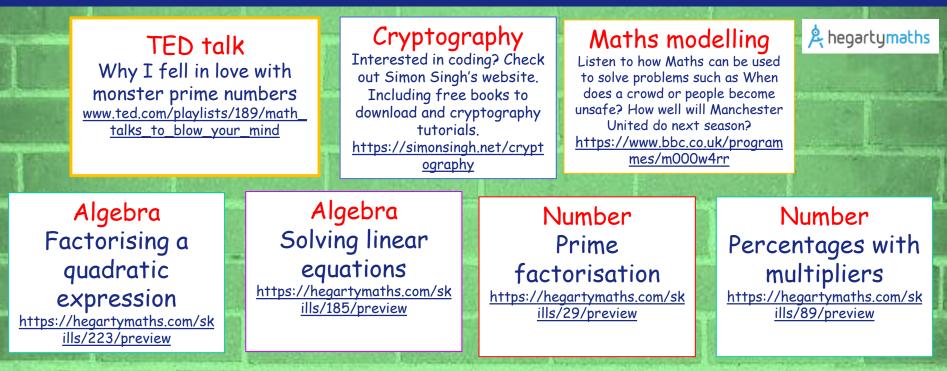


Take a virtual tour of the Sagrada Familia https://sagradafam ilia.org/visitavirtual

## **Strengthening Foundations in Languages: FRENCH**



## **Strengthening Foundations in Maths**



To prepare you for year 10, we have linked 4 key topics on Hegarty Maths. Follow the link with your personal login details. Remember 'Fix up Five' and 'Memri' on Hegarty that personalises revision to your performance over the year too. Your Year 10 teacher will be able to see your efforts © Additionally, there are so many inspiring TED talks linked to so many Maths marvels. Click the link above to listen.

Another two brilliant websites below are used in Year 10 and 11 below. Maths Genie has practice papers and worked solutions and exam questions ordered by topic. Corbett Maths '5 a day' is brilliant revision.

Maths Genie <u>https://www.mathsgenie.co.uk</u> (no login required)



<u>https://corbettmaths.com/5-a-day</u> (no login required)

## **Strengthening Foundations in Media**

Deconstruct a film using these theories.

Stuart Hall

https://filestore.aqa.org.uk/res

ources/media-studies/AQA-

75711-TG-AUDIENCE.PDF

Roland Barthes

https://filestore.aqa.org.uk/res ources/media-studies/AQA-75711-TG-SEMIOTICS.PDF

Take some time to look at some of our Theorists in more detail

Tzvetan Todorov Claude Levi-Strauss Roland Barthes Stuart Hall Create a revision card on each one.

Tzvetan Todorov Claude Levi-Strauss

https://filestore.aqa.org.uk/res ources/media-studies/AQA-75711-TG-NARRATIVE.PDF

## **Strengthening Foundations in Music**

WATCH - What Makes A Good Performance? <u>https://www.oca.ac.uk/weareoca/music/what-makes-a-good-performance/?cn-reloaded=1</u> WATCH - How to Improve Your Stage Presence https://www.youtube.com/watc <u>h?v=B2M346F53-g</u> – this is to help performers prepare for their Y9 performance exam and help them put on a fantastic show!

VISIT - the RNCM and watch one of their free lunchtime concerts <u>https://www.rncm.ac.uk/wha</u> <u>ts-on/events/</u>

READ - A Beginner's Guide To Music Production <u>https://www.musictech.net/t</u> <u>utorials/beginners-guide/</u> WATCH - Little Shop of Horrors https://www.amazon.co.uk/Little-Shop-Horrors-Rick-Moranis/dp/B00H381I5S/ref=sr\_1\_1?keywords=little+shop+ of+horrors&qid=1576495874&sr=8-1

One of the study pieces for GCSE Music

VISIT - The Beatles Story Experience in Liverpool <u>www.beatlesstory.com</u> Tickets: £10

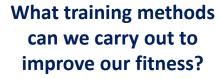
Identify two ways a songwriter generates income

Name the job role that:

- Repairs studio equipment
- Installs new studio equipment
- Provides technical support

## **Strengthening Foundations in PE**

- 1. Complete a 12 minute cooper run.
- Compare your results to national averages for a similar age Link: https://www.brianmac.co.uk/gentest.htm



Link: https://www.bbc.co.uk/bitesize/guides /zvqd2p3/revision/2

What does the cardiovascular system consist of? Link: https://www.bbc.co.uk/bitesize/gu ides/z9n6sg8/revision/1

Which bones protect us? Link: https://www.bbc.co.uk/bitesiz e/guides/zq3sbk7/revision/2

#### What are the 5 components of health related fitness? Link:

https://www.bbc.co.uk/bitesiz e/guides/zxd4wxs/revision/2

What are the 6 components of skillrelated fitness?

Link: https://www.bbc.co.uk/bitesiz e/guides/zxd4wxs/revision/2

Which bones do we use to move our body?

Link: https://www.bbc.co.uk/bitesiz e/guides/zq3sbk7/revision/1

What are the rules of the table tennis serve?

Link: https://www.youtube.com/watch ?v=s9ELscafqVs

## **Strengthening Foundations in Photography**

Using the link: <u>https://classroom.thenational.academy/units/identity-who-i-am-73f9</u>

Or go to : <u>www.thenational.academy</u> then Lessons>subjects> Key Stage 3> Art and Design>Identity: Who I am. You will find all filmed lessons and demos to support your learning detailed in the bricks below. Upload work onto teams!



Collage basics completed, move up a level. The next lessons will be developing your work digitally using PHOTOPEA. Find the website: www.photopea.com

<u>Lesson 5</u> DAIN Collage composition <u>Lesson 6</u> DAIN Completion

Art Basics completed move up a level to prepare for you mixed media piece.



## **Strengthening Foundations in Respect / RE**

Watch the following GCSE Pod: Islamic views on the origins of life

Make notes as you watch and then create some revision cards to show your teacher

Watch the following GCSE Pod: The Incarnation of Jesus

Make notes as you watch and then create some revision cards to show your teacher

**acse**doc

Log into Seneca!

Click onto <u>BBC Bitesize here</u>, and revise the article "Non-religious

views".

Once you have read through the

information, click the "Test" tab and

complete the questions.

BBB Bitesize Watch 'The Present' on Netflix about the Israel and Palestine situation.

Watch the following clip and answer the questions: The Afterlife

- 1. What do you think happens when we die?
- 2. Why might people believe in an afterlife?
  - 3. If you had proof that Heaven and Hell were real, would you choose to live differently? In what way?
- 4. Would an omnibenevolent being send people to Hell? Explain.

## **Strengthening Foundations in Science**

#### **KS3 Science**

Year 9 look back at the work you have completed this year in Science to help you get ready for next year. Good Luck. Mr McCreath.

