

Week beginning – Monday 1st February 2021**KS4 English****Lesson 1**

Lesson Objective:

- To identify and understand different types of language used within the extract.
- To explore the emotion within an extract.

Success Criteria:

- Bronze: I can identify at least three different devices within the extract.
- Silver: I can identify a range of different devices and I am beginning to consider the effect of these.
- Gold: I can confidently identify a range of different devices and can explain why the writer has used these.

This week we will be continuing to focus the effect of language, but we are going to look at fiction texts. The texts for this week are both modern and describe a place.

In your English Language Reading Skills: Fiction Workbook, read page 16. While you are reading, highlight the words you do not understand. Use the techniques we use in school to help you decode these words:

- First, SOUND out words new to you. Use simple phonics to attempt a pronunciation. You might recognize the word when you hear it.
- Next, examine the STRUCTURE. Look for familiar word parts.
- Then look at the CONTEXT. Guess at the word's meaning from the way it is used in the sentence. You may be able to tell the meaning by the way the passage continues.
- Check the DICTIONARY.
- Write a summary of the extract or explain to an adult what the extract is about. This is a good way to make sure you understand the text.

Answer the questions on pages 17 - 19 of the English Language Reading Skills: Fiction Workbook. You need to answer all questions in full sentences using correct punctuation. When answering question 7, you need to use PEE paragraphs. Make sure you include a short quotation from the extract.

Lesson 2

Lesson Objective:

- To explore the effect of different language devices on the reader.
- To explore the viewpoint and tone of the extract.

Success Criteria:

- Bronze: I can identify at least three different devices within the extract.
- Silver: I can identify a range of different devices and I am beginning to consider the effect of these.
- Gold: I can confidently identify a range of different devices and can explain why the writer has used these. I can understand and explain the narrative viewpoint of the extract.

Today we are looking at another extract. We have read sections of Life of Pi in class before so you should be familiar with the character and the setting. I recommend watching the film if you can, it's great! Try to explore the narrative viewpoint (first, second or third person).

In your English Language Reading Skills: Fiction Workbook, read page 20. While you are reading, highlight the words you do not understand. Use the techniques we use in school to

help you decode these words. Re-tell or summarise the extract to check your understanding. Answer the questions on pages 21 – 23. You need to use quotes to support your ideas. Try to find supporting evidence from the extract for each question. Remember to write using PEE paragraphs for question 8.

Lesson 3 – Blood Brothers

Lesson Objective:

- To explore the theme of fate and superstition in Blood Brothers.

Success Criteria:

- Bronze: I can explain how the themes of fate and superstition relate to the characters.
- Silver: I can clearly explain how the themes of fate and superstition relate to the characters and can identify some key quotes.
- Gold: I can confidently explain how the themes of fate and superstition relate to the characters and can identify and analyse some key quotes.

There are several important themes running throughout the play. You should have reviewed the plot and characters over the past two weeks so now we need to look at the themes in detail and explore how these relate to specific characters.

In your Blood Brothers Text Guide, read pages 36 - 37. This gives you an overview of fate and superstition in the play. Focus on Mrs Johnstone and Mrs Lyons.

- Do they believe in fate?
- Are they superstitious?
- How do you know this?

It would be a good idea to watch the play again at this point. The link below is to the version we watched in class:

<https://www.youtube.com/watch?v=iaTz1t4YGXs&t=1498s>

Complete the questions on pages 24-25 of your Blood Brothers Workbook. Use the quotes you picked out for your profiles to support your answers.

The following videos will support your reading:

<https://classroom.thenational.academy/lessons/mrs-johnstone-and-mrs-lyons-part-1-61jk4c>

<https://classroom.thenational.academy/lessons/mrs-johnstone-and-mrs-lyons-part-2-6tjkgc>

Lesson 3 – An Inspector Calls

Lesson Objective:

- To explore the theme of age in An Inspector Calls.

Success Criteria:

- Bronze: I can explain how the theme of age relates to the characters.
- Silver: I can clearly explain how the theme of age relates to the characters and can identify some key quotes.
- Gold: I can confidently explain how the theme of age relates to the characters and can identify and analyse some key quotes.

There are several important themes running throughout the play. You should have reviewed the plot and characters over the past two weeks so now we need to look at the themes in detail and explore how these relate to specific characters.

In your An Inspector Calls Text Guide, read page 40. This gives you an overview of how age affected the characters in the play. Focus on Mr and Mrs Birling, Eric and Sheila and Gerald.

- How are the younger generation different from the older generation?
- How do the older generation control the younger generation?
- Where does Gerald belong? Is he part of the younger or older generations? Why do you think this?

Once you have completed your reading, create a character profile Mrs Birling, Sheila and Gerald. Include three quotes for each character which link to the theme of age.

Complete the questions on pages 28 of you're an Inspector Calls Workbook. Use the quotes you picked out for your profiles to support your answers.

The following video will support your reading:

<https://classroom.thenational.academy/lessons/the-generational-divide-70vp4d>

Lesson 4 – Blood Brothers

Lesson Objective:

- To explore the themes of childhood and growing up in Blood Brothers.

Success Criteria:

- Bronze: I can explain how the themes of childhood and growing up relates to the characters.
- Silver: I can clearly explain how the themes of childhood and growing up relates to the characters and can identify some key quotes.
- Gold: I can confidently explain how the themes of childhood and growing up relates to the characters and can identify and analyse some key quotes.

Today we are going to look at two more themes: childhood and growing up.

In your Blood Brothers Text Guide, read page 38. Focus on Mickey and Edward's journey.

- Are they innocent?
- Are their childhoods carefree?

Note down one key quote for Mickey, Edward and Linda which relates to the theme of childhood and growing up.

Complete the questions on page 28 of your Blood Brothers Workbook. Use the quotes you picked out to support your answers. Remember to write in full sentences using appropriate punctuation.

The following video will support your reading:

<https://classroom.thenational.academy/lessons/different-paths-c9j30d>

Lesson 4 – An Inspector Calls

Lesson Objective:

- To explore the theme of Gender in An Inspector Calls.

Success Criteria:

- Bronze: I can explain how the theme of gender relates to the characters.
- Silver: I can clearly explain how the theme of gender relates to the characters and can identify some key quotes.

- Gold: I can confidently explain how the theme of gender relates to the characters and can identify and analyse some key quotes

Today we are going to look at another important theme; that of gender.

In your An Inspector Calls Text Guide, read page 41. Focus on the differences between men and women.

- How are women expected to act?
- Describe a stereotypical male from 1912.
- How does Eva Smith challenge the expected stereotypes?

Complete the questions on page 29 of you're an Inspector Calls Workbook. Use short, specific quotes to support your answers. Remember to write in full sentences using appropriate punctuation.

The following videos will support your reading:

<https://classroom.thenational.academy/lessons/challenging-class-and-gender-part-1-64t3ar>

<https://classroom.thenational.academy/lessons/challenging-class-and-gender-part-2-c4vkge>

KS4 Maths

Lesson 1: Algebra – Expressions, Formulas and Functions

Learning Objective:

- Understand how to write and solve formulas.

Success Criteria:

- You will be able to write an expression.
- You will be able to put numbers into formulas.
- You will be able to solve worded formulas and equations.

We have covered this in class in the second half term. You will need to remember the difference between an expression, equation, formula and a function. We also covered identity in class.

In your revision guides turn to pages 30 and 31 titled Solving Equations and Expressions, Formulas and Functions. Then answer the questions in your Workbook on pages 27-30. There are 3 questions per page but involve you looking at 2D Shapes so it is not as much as you think.

If you have any issues with the work, please see:

<https://www.youtube.com/watch?v=NMTmHdQFKQ4>

Lesson 2: Sequences

Learning Objective:

- Understand how to find the nth term of a sequence.

Success Criteria:

- You can find the rule for the nth term of a number sequence.
- You can find the rule for a shape sequence.

We have covered the nth term in class in the last half term. This should make sense to you and should be something that you can do without much revision. However, make sure you read page 35 in your revision guide and answer the questions in your workbook titled Sequences on pages 32 and 33. Just remember that if the sequence is going down the term will start with a negative.

There are six questions which guide you into showing your working out. This is essential to gain full marks so please do it.

For further help and support please see:

<https://www.youtube.com/watch?v=qnVVTBAfNu4>

Lesson 3: Perimeter and Area

Learning Objective:

- Understand how to find the area and perimeter of a 2D shape.

Success Criteria:

- You will be able to find the area of a 2D polygon.
- You will be able to the perimeter and area of a compound shape.

Read through page 78 in your revision guide and answer the questions on pages 65 and 66 in your study workbook. You need to remember that the formula for area of a quadrilateral is base x height and formula for area of a triangle is base x height divided by 2; these are key.

Remember, perimeter is the distance around the edge of a shape and the area is the 'stuff' inside it. For more help see:

<https://www.youtube.com/watch?v=LoaBd-sPzkU>

For those who would like an extra challenge, feel free to move on to pages 67 and 68 and try some circle questions.

KS4 Biology

Lesson 1 - DNA

Learning Objective:

- To describe chromosomes, DNA and genes.

Read pages 151 and 152 of the Biology Complete Revision and Practice book.

- What are chromosomes?
- What is DNA?
- What are genes?
- What do genes do?
- Explain what a genome is

Draw and label a diagram of an animal cell, chromosome and DNA strand.

Lesson 2 - The structure of DNA and protein synthesis

Learning Objective:

- To describe the structure of DNA and what protein synthesis is.

- What is DNA made of?
- What are proteins made from?
- What is a nucleotide?
- Where are proteins made?
- What is mRNA?
- What do proteins do?

Complete the warm-up questions of page 156 of the Biology Complete Revision and Practice book.

Lesson 3 - Mutations

Learning Objective:

- To understand what a mutation is.

Mutation is a change in a gene or chromosome. It is a rare, random change in the genetic material, and it can be inherited.

Mutation can be spontaneous, it just happens. It can also happen because of:

- ionising radiation
- chemical mutagens - such as tar from cigarette smoke
- Ionising radiation includes gamma rays, X-rays and ultraviolet rays. The greater the dose of radiation a cell gets, the greater the chance of a mutation.

Read pages 154 and 155 of the Biology Complete Revision and Practice book.

Complete the practice questions on page 156 of the Biology Complete Revision and Practice book.

Wider Learning

BBC bitesize has a variety of different videos, tests and games that will test your knowledge. Please watch all the videos on DNA, proteins and mutations and complete the revision test:

<https://www.bbc.co.uk/bitesize/topics/zpffr82/articles/zvwbcj6>

<https://www.bbc.co.uk/bitesize/guides/zc499j6/revision/1>