## Q3 Academy Langley

## Quest for Knowledge Booklet

## Year 7 - Cycle Three

This pack has been put together by your core Learning Consultants.

It contains lots of information that will support you in your learning outside of the classroom.

Use it when you have either completed your Independent Learning, or if you want to stretch yourself further.

Some strategies to help maximise how you use this pack:

- Copy out information to help you learn;
- Test yourself on information (Look-Cover-Test-Check);
- Read through the pack silently to deepen your understanding.

Student Name:

Company:

## Tutor:



ACADEMY LANGLEY

ACADEMY

## Using your Quest for Knowledge Booklet

LANGLEY
There are lots of ways to use your Quest for Knowledge booklets to supplement your learning in Core subjects.

If you complete your Independent Learning, you should learn your Quest for Knowledge for each Core subject you study - the information has been designed to support your learning.

## Strategies to use your Quest for Knowledge effectively:

| Strategy | Guidance |
| :---: | :---: |
| Copying out - writing out information from <br> the Q4K yourself. | This strategy is useful for working through <br> information systematically; it has its limitations <br> though. |
| Mind Mapping - writing a topic or key idea, <br> and surrounding it with linked ideas or <br> information. | This strategy is a nice way to break down <br> information, and draw links between them. |
| Self-quizzing - cover information that you <br> feel is learned, before testing yourself. | This is an extremely effective strategy - as you <br> get more confident, you can ask more difficult <br> questions of yourself! |
| Quizzing at home - parents/carers relatives <br> take key information, and quiz you on it. | This is similar to self-quizzing; make sure that <br> whoever quizzes you pays close attention to <br> accuracy of your answers! |
| Blurting - write a topic or key idea, before <br> wiring everything you can think of. Then, <br> check to see what you know and have <br> missed. | This is a great way to find the gaps in your <br> knowledge; give it a try! |
| Flash-cards - on a small piece of paper or <br> card, write a question or term. On the back, <br> write the answer or definition. Test yourself, <br> or get tested by someone! | remembering key terminology, vocab or dates. |
| Flash cards are particularly useful for |  |

## Agreement Prompts:

"I agree with Jason because..."
"I was just thinking of something similar to Maria's point about..."
"Grace's point makes sense because..."
"I think that the strongest part of Taz's response was..."
"Nelam's point about $\qquad$ was important because it..."

## Add to Prompts:

"I'd like to elaborate on Jade's idea..."
"I'd like to build on Kate's point..."
"There's another example of what Theo is talking about..."
"You could also add that..."
"The thing that I think is missing from Charlie's point is..."
"I understand, and would like to add..."
" "Is it fair to say that..."
"If we change Jess' point just a little, we could add..."
"Alex's point about $\qquad$ was good but l'd also add..."

## Disagreement Prompts:

- "I disagree with Chris because..."
- "I think it's more complex than what you're saying, Alice, because..."
- "I understand why you'd say that Naresh, but..."
- "There's another piece of evidence that contradicts Rosie's point..."
"I see things differently to Shara because..."
- "The evidence l've looked at suggests something different to Ben's response..."


## Paraphrasing:

- "Another way you may interpret that is..."
- "Put another way, Brian is saying..."
- "So Nyasha is saying that..."
- "It is fair to say that Chris believes..."

| Agreement Prompts <br> - "Je suis d"accord avec $\qquad$ parce que..." - I agree with $\qquad$ because... <br> - "Je suis du même avis que..." - I am of the same opinion as... <br> - "Sans doute ton point est vrai $\qquad$ parce que..." - There is no doubt that your point is true because... <br> - " Selon moi, ta idée est... convaincante/puissante/pertinente $\qquad$ parce que..." - In my opinion, your idea is... Convincing/powerful/relevant because... <br> - "Je prends le parti de $\qquad$ parce que..." - I take the side of $\qquad$ because... <br> - "J'abonde dans le sens de $\qquad$ parce que..." - I agree wholeheartedly with... <br> - "J'accepte sans équivoque l'avis de $\qquad$ parce que..." | Disagreement Prompts <br> - "Je ne suis pas d'accord avec..." - I disagree with... <br> - "Je pense que c'est plus compliqué/complexe que ce que tu as dit $\qquad$ parce que..." - I think that it is more complicated/complex than what you have said <br> - "Je comprends ce que tu veux dire $\qquad$ mais..." - I understand what you are trying to say but... <br> - "J'ai un avis différent à $\qquad$ car..." - I am of a different view to $\qquad$ as... <br> - "Je suis désolé(e) $\qquad$ mais à mon avis..." - I am sorry but in my opinion... <br> - "Je suis contre le point de $\qquad$ parce que..." - I am against $\qquad$ 's point because... <br> - "Le point de $\qquad$ ne dépasse pas la surface des choses parce que..." $\qquad$ 's point skims the surface because... <br> - Je refute le point de $\qquad$ parce que... I reject this point because... <br> - Je condamne nettement le point de $\qquad$ parce que... - I condemn outright $\qquad$ 's point because... <br> - Je crois que c'est tout le contraire - I believe that exactly the opposite is true <br> - Je suis (fermement) opposé(e) à l'avis de $\qquad$ parce que... - I am firmly opposed to $\qquad$ 's opinion because |
| :---: | :---: |
| Add to Prompts <br> - "En plus, on pourrait dire que..." - In addition, one could say that... <br> - "Le point de $\qquad$ était vrai mais je voudrais ajouter quelque chose..." - $\qquad$ 's point was true but I would like to add something... <br> - "En cela s'ajoute"... - In addition there is... <br> - "Par ailleurs, Je voudrais dire que"... - Furthermore, I would like to say that... | Paraphrasing <br> - "En d'autres termes $\qquad$ dit que..." - In other words, $\qquad$ said that... <br> - "Cela revient à dire que" - This amounts to saying that... <br> - "Pour résumer le point de $\qquad$ ..." - To summarise $\qquad$ 's point... <br> - "Autrement dit..."- In other words... <br> - "Autant dire que..." - In other words... <br> - "En fin de compte..." - At the end of the day... <br> - J'en reviens toujours là..." I come back to the point that... <br> - J'ai déjà constaté/dit que..." - I have already said that... |

Spanish


Capital Letters

| Rule | Example |
| :---: | :---: |
| Start of a sentence. | London is the capital of England. |
| Proper noun - specific names, <br> places, ideas of organisations | The capital of England is London. |
| Days of the week, and months | Monday; January |
| Acronyms or initials | Dr. Badyal; SLANT |
| Personal pronoun 'l' | Should I bring in my P.E kit? |

## Frequent misconceptions:

- The most common mistake with capital letters is not placing them at the start of a sentence.
- Another common mistake is when people forget to capitalise their proper nouns.

A less common mistake is when people place capital letters in the middle of sentences when it is not needed.

## Common nouns:

We know that we should capitalise proper nouns. However, common nouns do not have to be capitalised. A common noun is a noun used to name common things, such as animals, objects and ideas. Every sentence needs a common noun to make sense, but unless they appear at the start of a sentence, they do not need to be capitalised.

| Homophone | Rules | Example |
| :---: | :---: | :---: |
| There | There is a location. Here is also a location. There must have a here. | Place your coats over there. |
| Their | A pronoun - Their has an 'l'; 'l' is a pronoun. | Their appreciation was well though out. |
| They're | A contraction of 'they are'. Try putting 'they are' in your sentence to see if it makes sense! | They're (they are) going to transition to the Sports Hall. |
| Whether | Conjunction to indicate choice. There's no need to choose which ' h ' to lose - 'whether' has two. | You must decide whether you want a jacket potato for lunch. |
| Weather |  | It looks like we could have cold weather today. |
| Have | Verb showing ownership. Have is used as a contraction - could've, would've, should've. Try putting the full word to check for sense. | I should have remembered my purple pen! |
| Of | A preposition, which expresses the relationship between a part and a whole. | Who will be the Star of the Lesson today? |
| Which | Relative pronoun used when writing about a thing or making a choice. | Which company do you belong to? |
| Witch | A noun. The ' $\boldsymbol{f}$ ' is the witch on their broom. | What does the witch say in the opening scene of Macbeth? |
| Your | Pronoun meaning belonging to you. | Put your pens down please! |
| You're | A contraction of 'you are'. Try putting 'you are' in your sentence to see if it makes sense! | I don't know if you're getting a Q-Point or not. |
| To | A preposition expressing motion in direction of a location. (One 'o') | Transition, in silence, to your next lesson. |
| Too | Excessive or more - add another ' 0 '. To mean also, add another ' $o$ '. | You can fulfil that role on your Family Lunch table too! |
| Two | The number in word form - one more than one! | Two plus three is five. |

## Punctuation

| Pu nctuation |  |
| :---: | :--- |
| Type | When to use: |

Commonly Misspelled Words

| Word | Rule or Tip | Word | Rule or Tip |
| :---: | :---: | :---: | :---: |
| Achieve | A-chi-eve. | Happiness | In order to gain happiness, you must replace the ' $y$ ' with an $\mathbf{i .}$ |
|  | If you 'grr' and 'hiss' aggressively when you say this word, you will hear that you need two gs and two s's. |  |  |
| Aggressive |  | Immediately | Immediately mediate between the prefix -im and the suffix -ly. |
| Apparently | Apparently, a parent named their children ap and ly. | Independent | Independent is so independent it does not need an ' $a$ '. |
| Argument | Think of the $m$ breaking up an argument between the $\mathbf{u}$ and e. | Necessary | It is necessary for your shirt to have one Collar and two Sleeves. |
| Beginning | In the beginning, there were not one, not two, but three ns. | Occasion | O-cc-a-sion. Remember, two cs , one s . |
| Believe | Be-li-eve. Remember i before e. | Occurred | O-cc-u-rr-ed. Remember, two cs and two rs. |
| Completely | Com-ple-te-ly. Suffix is -ly. | Possession | Two s's at the beginning, two s's at the end. |
| Conscious | Remember, 'sci' is in the |  |  |
| Definitely | middle; it means knowledge! | Preferred | Pre-fer-red. Remember, one f, two rs. |
| Disappear | Dis-ap-pear. One s, two ps. | Received | Remember, i before e except $\mathbf{c}$ when the sound is $\mathbf{e}$. |
| Disappoint | Dis-ap-point. One s, two ps. | Referred | Re-fer-red. Remember, one f, two rs. |
| Embarrass | Emb-a-rr-a-ss. Two rs, two s's. |  |  |
|  |  | Religious | Rel-igi-o-us. Suffix is -gious. |
| Environment | En-vi-ron-ment. Remember, n before the m . | Sense | Sense cannot ' $c$ ', only sense. Suffix is -se. |
| Familiar | Fami-liar. Suffix is -iar. | Tomorrow | You need to choose: Tom-orrow? Remember, one m, two rs. |
| Friend | Fri-end. Fri the end of friend. Remember, $\mathbf{i}$ before $\mathbf{e}$. |  |  |
| Government | Govern-ment. Remember, n before the m . | Unfortunately | Un-for-tun-ate-ly. Suffix is ely. |
| Happened | Hap-pen-ed. Suffix is -ened. | Until | Until has only un I. |

## How will we use the Q4K in English?

Just like Cycle One and Two, you will be tested on your Q4K Knowledge during your Independent Learning test during every 'lesson one'.

## Why are we re-quizzing Cycle One and Cycle Two Q4K content?

Simply put - you need to know it! The Cycle One and Two Q4K contained foundational grammar knowledge that you must know. All the research on how our memory works shows that regular knowledge retrieval strengthens your memory of key facts.
Thus, you will need to be revising your Cycle One, Two and Three Q4K for your Independent Learning!

## What is in the English Section?

1. Timeline of the history of comedy.
2. Context of A Midsummer Night's Dream.
3. Summary of the links to A Midsummer Night's Dream.
4. Key information and summary of A Midsummer Night's Dream.
5. Key grammar knowledge.
6. Assessment support.

| The Big Question: |  |
| :---: | :---: |
| Cycle One | Why are myths so legendary? |
| Cycle Two | What is English? |
| Cycle Three | How do we know reality is not in fact a dream? |

[^0]Word Bank:

| Word | Definition |
| :---: | :---: |
|  |  |
|  |  |
|  |  |
|  |  |
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|  |  |

## Timeline of the History of Comedy in Theatre

| Time | Important Information | Examples of Plays/ Extra Information |
| :---: | :---: | :---: |
|  | Pottery decoration frequently represented actors dressed as horses, satyrs, and dancers in exaggerated costumes; it was one of the first indications of humour. |  |
|  | The beginning of Greek Comedy. The only authors' work to survive the century was the work from Aristophanes. His work was crafted to include the antics of ridiculous characters. | "The Frogs" <br> "The Wasps" <br> All roles were played by males. |
|  | The beginning of the Roman Comedy the main playwrights being Plautus and Terence. The comedic elements were influenced by political and social satire. | All roles were played by males initially, but eventually a few women were given roles. |
|  | The elements of comedy in this era was performed through street theatre. The Italian comedy known as the Commedia Dell'arte (comedy of the trade) goes back as early as 1545. The majority of this comedy was improvised and sketch work. | All roles were played by males until it was finally made legal in 1661 for women to play the roles too. |
|  | Shakespeare's comedies were amongst those he was commonly known for. Performances were mainly performed in London, predominantly in the Globe Theatre. Shakespearean comedies were comical for their interpretation of women as men were used to play all roles, including those of women (especially when most of Shakespeare's comedies included love and marriage). | "Merchant of Venice" "Much ado about nothing" "The Taming of the Shrew" |
|  | Ben Johnson was known for his satirical comedies. He was also known for the trickster approaches, which were designed to give the audience exactly what they desired. | "Volphone" "The Alchemist" |
|  | Beaumarchais's light, comical play gave him a platform before progressing into much darker humour. | "Le Barber de Seville" <br> "Le Mariage de Figaro" |
|  | Comedy in theatre has evolved into something quite spectacular. With satire, parody, stand up, and farce, to name a few. Comedy is now something to be enjoyed by all audiences. | "Blood Brothers" <br> "The Play That Goes Wrong" |

# Quest for Knowledge - Assessment Cycle Three - English 

## A Midsummer Night's Dream <br> By William Shakespeare

## Context

We can see influences of social norms in Shakespeare's plays, including A Midsummer Night's Dream. During Shakespearian times, marriages - especially between nobles - were often forced upon young women. Shakespeare no doubt witnessed many of these marriages born out of obligation and gain rather than happiness. It was not unusual for women to be given away in marriage, with no regard to their feelings. Often, women were sent to abbeys if they refused to marry or failed in their wifely duties. In A Midsummer Night's Dream, this situation is mirrored by Hermia's dilemma in being forced to marry Demetrius because her true love, Lysander, is 'beneath' her.

## Romeo and Juliet - Links

Most critics believe the play was written for and performed at an aristocratic wedding, with Queen Elizabeth I in attendance. Scholars estimate the play was written in 1595 or 1596 (when Shakespeare was 31 or 32 years old), at approximately the same time as Romeo and Juliet and Richard II. Obvious plot links exist between A Midsummer Night's Dream and Romeo and Juliet, and critics disagree about which play was written first. Not only do both plays emphasise the conflict between love and social convention, but the plot of "Pyramus and Thisbe," the play-within-the-play of A Midsummer Night's Dream, parallels that of Romeo and Juliet. Critics have wondered if Romeo and Juliet is a serious reinterpretation of the other play or just the opposite: Perhaps Shakespeare is mocking his tragic love story through the burlesque (parody) of "Pyramus and Thisbe."
R.A: 16+.

## Glossary

| Norms | Something that is usual, typical or <br> standard. Social norms are the <br> standards/behaviours which are <br> acceptable to that social group. | Nobles | A person of noble rank or birth. <br> Noble: belonging to the <br> aristocracy (the highest <br> class/upper class). |
| :---: | :---: | :---: | :---: |
| Obligation | A duty or commitment; an act/action to <br> which a person is morally or legally <br> bound. | Abbeys | The build or buildings where <br> monks or nuns live. Monks (men) <br> and nuns (women) are religious <br> people who vow to live in <br> poverty and never marry. |

# Quest for Knowledge - Assessment Cycle Three - English 

A Midsummer Night's Dream<br>By William Shakespeare

## Other Links

Unlike most of Shakespeare's plays, A Midsummer Night's Dream does not have a single written source. The story of "Pyramus and Thisbe" was originally presented in Ovid's The Metamorphosis, making it one of many classical and folkloric allusions in the play. Other allusions include Theseus and Hippolyta's wedding, which is described in Chaucer's "Knight's Tale" in The Canterbury Tales, while the theme of a daughter who wants to marry the man of her choice despite her father's opposition was common in Roman comedy. The fairies that dance and frolic throughout this play were most likely derived from English folk tradition. On the one hand, these creatures have a sinister side - Puck, for example, is also known as Robin Goodfellow, a common name for the devil - but they can also be viewed as fun-loving nature spirits, aligned with a benevolent Mother Nature. The interaction of this eclectic array of characters - from the classically Greek royalty such as Theseus (derived from Plutarch's tale of "Theseus" in his Lives of the Noble Grecians and Romans) to more traditionally Celtic fairies such as Puck - emphasises Shakespeare's talent in using elements of the old to create something completely new.

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\text { R.A: } 16+.
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| Glossary |  |  |  |
| :---: | :---: | :---: | :---: |
| Allusions | An indirect or passing reference to; a link. | Benevolent | Well meaning and kindly; loving. |
| Eclectic | Ideas, style or taste from a broad and diverse range of sources (from many sources). | Sinister | Giving the impression that something harmful or evil is happening or will happen. |

# Quest for Knowledge - Assessment Cycle Three - English 

## Pyramus and Thisbe (Metamorphoses, Book 4) <br> By Ovid


#### Abstract

A Summary

Pyramus and Thisbe lived in a city built up by Semiramis. The two of them were the most beautiful in the city, and their neighbourly relationship later became a love that grew stronger with each day. They would have become engaged if their parents had allowed it. The wall that stood between their houses was cracked, and the two of them would tell each other love stories through the crack. They wanted to be close to each other, but the wall stood between them. However, they were grateful for the crack in the wall that allowed them speak to each other. When they had to go home, they would kiss the wall.


One day, they planned to run away in the middle of the night, and they made a deal to meet near Ninus's tomb. They would sit under a mulberry tree.

The day went away slowly, and when night arrived, Thisbe managed to sneak out of her house, covered with a veil. She came to the tomb and sat under the tree. She saw a lioness and ran away into a dark cave, but while she was running, her veil fell off. When the lioness drank some water, she found Thisbe's veil and tore it apart. Since her mouth was bloody, the veil became bloody.

Later, Pyramus came and saw Thisbe's veil, torn and covered in blood. Thinking Thisbe was dead, he blamed himself for her death. Pyramus took Thisbe's veil and sat under the tree to cry. While he kissed the veil, he pierced a dagger through his heart. The mulberry tree fruit became black, and when the roots were covered in his blood, it turned red.

Thisbe decided to go back, so Pyramus would not have to wait for her. Thisbe wanted to tell Pyramus the trouble she was in. Getting back, she realised that the tree had changed colour. Then, she saw Pyramus's dead body. She hugged him and filled the injury with her tears. She kissed his cold face. Pyramus opened his eyes for a moment, saw his loved one, and then closed them again.

When she saw her veil and the dagger, she knew what had happened. He was killed by his own love and hand. She knew that love will give her the strength to follow him into death. Before she died, she asked their fathers to bury them together (the gods told Pyramus's and Thisbe's fathers about this wish). Thisbe took the dagger, still warm from Pyramus's blood, and pierced it through her chest. The tree carried a bloody sign forever.
R.A: 11-12.

| Glossary |  |  |  |
| :---: | :---: | :---: | :---: |
| Mulberry <br> Tree | A small tree with broad leaves. The colour <br> 'mulberry' is a dark red or purple colour. | Semiramis | Appears in many myths and <br> legends. She is Queen of Babylon, <br> who rules for many years after the <br> death of her husband - Ninus. |
| Ninus | The mythical founder of the city of <br> Nineveh (an ancient city that would have <br> been located in what is now Iraq). There is <br> no record of Ninus ever existing. | Veil | A piece of material worn by <br> women to protect or conceal their <br> head and/or face. |

## Quest for Knowledge - Assessment Cycle Three - English

The Knight's Tale<br>By Chaucer (1387-1400)


#### Abstract

A Summary

The Knight's Tale is the story of Palamon and Arcite. They are captured by Theseus, the king of Thebes, and imprisoned in a tower together. The tower has one window, which the knights spend their days looking out of.

One day, they see Emilye, the queen's young sister, walking in her garden. Both Palamon and Arcite fall in love with her instantly; while they fight over her at first, they soon realise there is no point in fighting since they're both trapped in a tower; therefore, equally unlikely ever to meet her, let alone marry her.

Several years later, however, Arcite managers to escape the tower with the help of a friend. He becomes a page in Emilye's household, but does not confess his love to her. Meanwhile, Palamon spends several more years in prison before escaping.


The two knights meet and fight over Emilye, but the fight is broken up by Theseus, who insists that they hold a proper tournament. Palamon and Arcite are each given one year to build an army and return to Thebes. The tournament will be a fight to the death, and the winner of the tournament will receive Emilye's hand in marriage.

The evening before the tournament, Palamon, Arcite, and Emilye each visit one of the three shrines built into the walls of the tournament arena. Arcite visits the shrine of the Roman god of war, Mars, where he prays to win the tournament. Palamon visits the shrine of the Roman goddess of love, Venus, where he prays to win Emilye's hand. Emilye, meanwhile, visits the shrine of the Roman goddess of chastity, Diana. There, she prays that Diana will allow her to remain unmarried, but she states she is willing to accept whatever Diana's will is for her.

The next day, the tournament begins. After much fighting, Arcite emerges as the winner of the tournament, but he is thrown from his horse and suffers a fatal injury. On his deathbed, he announces his wish for Palamon to marry Emilye.
R.A: 15-16.

## Glossary

## Key Characters - A Midsummer Night's Dream

| Character Name | Role/Title at START | Key Words Linked to Character | Links to other characters |
| :---: | :---: | :---: | :---: |
| Puck | A mischievous fairy, who likes to play pranks. | Mischievous; menacing; enchanting; jester; servant; hobgoblin; quick-witted. | Puck mistakes Lysander for Demetrius and applies the love potion, causing chaos. He also transforms Bottom's head into that of an ass. |
| Oberon | The king of the fairies. Married to Titania. | Revengeful; powerful; jealous, argumentative; strong-willed. | Oberon has resentment towards his wife, Titania, so sends Puck to obtain the lover flower potion. |
| Titania | The queen of the fairies. Married to Oberon. | Head-strong; impulsive; determined; gullible. | Titania opposes her husband's desire to knight an Indian prince. She then has a brief potion-induced love for Bottom. |
| Hermia | Egeus's daughter - in love with Lysander. | Jealous; self-conscious; loving; passionate; feminist; disobedient. | Hermia is resentful towards her father, Egeus, and refused to marry Demetrius - the man her father chose for her. |
| Nick Bottom | A weaver from Athens. | Puerile; confident; mischievous; incredulous. | Puck transforms Bottom's head into that of an ass. He also applies a love potion that makes Titania fall in love with Bottom. |
| Lysander | A young man of Athens. | Romantic; persuasive; dismissive; flippant. | Lysander runs away with Hermia as her father, Egeus, refuses to let Lysander marry Hermia. Lysander becomes victim of misapplied magic and wakes up in love with Helena. |
| Helena | A young woman from Athens - in love with Demetrius. | Self-conscious; jealous; fickle; pious. | Once betrothed to Demetrius, but left abandoned when he meets her friend Hermia and falls in love. |
| Egeus | Hermia's Father. | Controlling; traditional; patriarchal; insistent. | Hermia's father. He brings a complaint against his daughter to Theseus after she refuses to marry Demetrious. |
| Demetrius | A young man of Athens. | Romantic; passionate; determined; unlamented. | Initially, Demetrius is in love with Hermia, but later falls in love with Helena. His pursuit of Helena is challenged by Lysander, who also seeks Helena's love. |

## Quest for Knowledge - Assessment Cycle Three - English

## Key Themes - A Midsummer Night's Dream

| Themes | Definition | Linked Characters |
| :---: | :---: | :---: |
| Love | Having an intense emotion of affection, warmth, fondness, and regard towards a person or thing. | Hermia, Helena, Lysander, Demetrious, Bottom, Titania. |
| Magic | The power of influencing events by using mysterious or supernatural forces. | Puck, Oberon. |
| Humour | The quality of being amusing or comic, especially as expressed in literature or speech. | Puck, Oberon, Nick Bottom, Lysander, Demetrious. |
| Dreams | A series of thoughts, images, and sensations occurring in a person's mind during sleep. | Oberon, Puck. |
| Jealousy | Feeling or showing an envious resentment of someone or their achievements, possessions, or perceived advantages. | Hermia, Lysander, Helena, Demetrius |
| Mischief | Harm or trouble caused by someone or something. | Puck, Oberon, Nick Bottom. |
| Transformation | A marked change in form, nature, or appearance. | Nick Bottom. |
| Reality | The world or state of things as they actually exist as opposed to an idealistic or notional idea of them. | Egeos, Hermia, Titania, Nick Bottom. |
| Appearance | The way in which someone or something looks, or is presented. | Nick Bottom, Lysander, Demetrious, Helena. |
| Unreason | The inability to act or think reasonably. | Puck, Oberon, Titania, Nick Bottom. |
| Reversal | A change to an opposite direction, position, or course of action. | Titania, Nick Bottom, Lysander, Demetrious. |

## Play Summary - A Midsummer Night's Dream

| Act/Scene | Key Events | Characters |
| :---: | :---: | :---: |
| Act I <br> Scene I | The opening scene of the play introduces Theseus, Duke of Athens, and his wife Hippolyta, Queen of the Amazons, who are planning the entertainment of their wedding. Egeus enters with his daughter, Hermia, alongside Lysander and Demetrious, to issue a complaint about his daughter, who is refusing to marry Demetrious. Hermia loves Lysander and refuses to give into her father's demands. Lysander tells Hermia about his plans to evade the Athenian laws and for them to run away, so they can wed outside of Athens. Hermia then reveals her plans to her best friend Helena, but struck with jealousy, Helena reveals their plan to Demetrious. | Theseus; <br> Hippolyta; Egeus; <br> Hermia; <br> Demetrious; <br> Lysander; Helena. |
| Act I <br> Scene II | In this scene, the audience are introduced to the play within the play. A group of common labourers meet to discuss the play they will perform at Theseus's wedding. They choose to perform: The Most Lamentable Comedy and Most Cruel Death of Pryamus and Thisbe (a story of two lovers, separated by their parent's feud, who choose to go against the odds for love). Nick Bottom, a talkative weaver, makes his character known in this scene as he consistently interrupts and alludes that he is perfect for every role on offer. | Nick Bottom. |
| Act II <br> Scene I | This scene introduces Oberon and Titania, the king and queen of the fairies, who are pugnacious towards one another over the want of a beautiful, young Indian boy. Oberon wants to make him a knight, but Titania refuses to hand over the boy. Oberon turns to his servant Puck, a mischievous fairy, who he asks to seek out the love-in-idleness flower, which was known to be once hit by Cupid's arrow. It is said that the flower's juice, once rubbed on the sleeper's eyelids, will cause the sleeper to fall in love with the first living thing he or she sees upon waking. Oberon asks Puck to use this on Titania, so that he can manipulate her until she yields to his demands and gives the young Indian prince to him. | Oberon; Titania; Puck. |
| Act II Scene II | Whilst Puck is on his quest for the flower, Oberon stumbles across Demetrius and Helena, passing through the glade, looking for Lysander and Hermia. <br> Oberon makes himself invisible and watches on. He hears of Helena's admiration for Demetrius, but also his foul responses, refusing her advances. Puck appears, carrying the flower, and is ordered by Oberon to find the Athenian who just passed and apply the spell to the young man, so that Demetrius will fall in love with Helena. Oberon looks for Titania and finds her sleeping in the glade, and he applies the juices to her eyelids. Simultaneously, Puck, still searching for the Athenian man, comes across Lysander and Hermia, who are resting from their quest to find his aunt's house. Mistaking them for the couple Oberon mentioned, he rubs Lysander's eyelids with the juices from the flower. After losing Demetrius in the woods, Helena stumbles across Lysander sleeping and wakes him up to help her. The potion takes effect, and Lysander declares his love to Helena. | Oberon; Puck; Lysander; Hermia; Demetrious; Helena. |

## Play Summary - A Midsummer Night's Dream

| Act/Scene | Key Events | Characters |
| :---: | :---: | :---: |
| Act III <br> Scene I | The craftsmen gather in the woods to rehearse their play. Nick Bottom, as facetious as ever, promotes changing parts of the play and adds a monologue, which he manages to convince the others to agree with. Puck then enters and marvels at the scene that he sees before him. Bottom steps aside out of view, and his head is transformed into that of an ass (a donkey) by the menacing fairy, Puck. Bottom returns to the stage and terrified of what they see, the men run away in fear. Perplexed, Bottom remains in the glade. Titania, asleep in the same glade, awakens to be greeted by the ass-headed weaver (donkey-headed Bottom). Contrary to Puck's disbelief, the potion has worked, and Titania falls deeply and instantly in love with Bottom. | Puck; Titania; <br> Nick Bottom |
| Act III Scene II | Puck approaches Oberon and tells him of Titania's misfortune, to which he is thrilled. They then witness Hermia enter the clearing with Demetrious. Oberon, confused as to why the Athenian is with another woman, questions Puck's actions. They soon realise the mistake that they have made. Oberon sends Puck to fix the issues they have caused, so Puck begins his quest to find Demetrious. Puck finds him sleeping in the glade and squeezes the flower juice into his eyes. Helena enters, closely followed by Lysander declaring his love for her. Demetrius is awoken by the noise and instantly falls in love with Helena. Helena believes that both men are playing an awful trick on her and mocking her. Hermia then arrives to the confusion as she witnesses Lysander wanting to fight Demetrius for Helena's love. The men wander off into the woods to fight, closely followed by Helena, who tries to escape a revengeful Hermia. | Helena; Hermia; <br> Demetrious; Lysander; Puck; Oberon. |
| Act III <br> Scene III | This scene solidifies the characters and their insecurities. Helena's low self esteem prevents her from believing the Athenian men's advances, whereas Hermia cannot quite believe that she, the once loved and admired woman, has lost the admiration of both men to Helena. Hermia is convinced it is something to do with her height. The men settle their aggression towards one another and refocus their attention to competing for Helena's love. | Helena; Hermia; Demetrius; Lysander. |
| Act IV <br> Scene I | Titania and Bottom enter the glade where all the Athenians are sleeping. Titania asks Bottom to lay down with his head in her lap, so she can twine roses in his hair. Yawning, Titania tells him to sleep in her arms. Puck and Oberon enter and comment on the success of his revenge. Oberon talks of how he saw Titania in the woods earlier on, and she agreed to give the Indian boy to him if the spell was removed. Oberon leans over a sleeping Titania and speaks the charm to undo the spell. Titania wakes up and is amazed to see herself sleeping beside a donkey-headed Bottom. Puck then speaks a charm to restore Bottom's normal head. They all exit. Dawn breaks and Theseus, Hippolyta and Egeus enter to find the young Athenians sleeping. They wake them and demand answers, but they find them startled and confused, unable to recall the previous night. All that is clear is that Lysander loves Hermia, and Demetrius loves Helena. Bottom speaks of the wondrous dream he has had and asks for it to be added to the play. | Titania; Bottom; Oberon; Puck; Demetrious; Lysander; Helena; Hermia; Theseus; Egeus; Hippolyta. |

## Play Summary - A Midsummer Night's Dream

| Act/Scene | Key Events | Characters |
| :---: | :---: | :---: |
| Act IV | The craftsmen gather, sit sombrely and worry about the whereabouts of <br> Bottom as they have not seen him since the appearance of the ghastly ass- <br> headed monster. Concerned that he has been felled (chopped down/killed) <br> by the terrifying creature, the craftsmen agree that no man in Athens is <br> capable of portraying Pryamus like Bottom. Suddenly, in bursts a craftsman <br> to share the alarming piece of news that the King is married, and the <br> newlyweds are eagerly awaiting their entertainment. Bottom triumphantly <br> enters, just as they had given up hope, and declares he has wonderful story <br> to share, but for now they must don their costumes and go forth and perform <br> their play for the Duke and his wife. | Craftsmen; <br> Bottom. |
| Act V | Theseus speaks with Hippolyta about the story told to him by the Athenian <br> Souths about the magical romantic mix-ups that took place the previous <br> night. The craftsmen then enter and perform their play; Bottom, being the <br> highlight of their performance. Finally, they all resign back to their quarters <br> for bed. | Theseus; <br> Hippolyta; <br> Bottom. |

## Word Class

| Word Class | The category or function of a specific, individual <br> word. | The <br> Determiner | boy <br> noun | jumped <br> verb |
| :---: | :---: | :---: | :---: | :---: |


| Adjective | An adjective is a word that modifies a noun or noun phrase or describes its referent. A word naming an attribute of a noun, such as sweet, red, or technical. | The soft, periwinkle sky smiled. |
| :---: | :---: | :---: |
| Adverb | Modifies or describes a verb, adjective, or another adverb. Adverbs can describe how something was done, the manner and extent. | Does not always end in -ly. Randomly, brutally, briskly, sloppily, wearily, abruptly. |
| Article | The definite article is the word "the". It is used before a noun to define it as something specific, such as: something previously mentioned or known, something unique, or something being identified by the speaker. <br> The indefinite article ("a" or "an") defines something as unspecific, such as: something generic or something mentioned for the first time. | I'm the pirate. <br> This means a specific pirate. Can we go to the park? <br> The park is specific. It is known to the speaker and the listener. <br> I'm $\underline{\underline{q}}$ pirate. <br> This means an unspecified pirate. <br> Can we go to $\underline{\underline{p}}$ park? <br> The park is unspecific. The speaker does not care which one. |
| Noun | A noun is a word that functions as the name of a specific object or set of objects, such as: living creatures, places, actions, qualities, states of existence, or ideas. | In Birmingham, Dr. Shahid sat at the desk writing out notes. |
| Preposition | A word that indicates the relationship - often spatial of one word to another. <br> A word indicating position. <br> A word that relates the object to another word or phrase in the sentence. | He hid under the table. <br> She went out the window. <br> At, by, for, of, in, into, on, to, with, near, beside. |
| Pronoun | Often used to refer to a noun that has already been mentioned. <br> A word that takes the place of a noun. | Luke prides himself on doing a good job. He works hard. <br> He, she, they, me, l, you and so on. |
| Verb | A word used to describe an action, state, or occurrence, and forming the main part of the predicate of a sentence, such as: hear, become or happen. | They listened. Reece played the piano. Marie would like to be a proficient, she thought. |

Assessment Support

| Term | Definition | Example |
| :---: | :---: | :---: |
| Language <br> device | A word, or group of words, that work <br> together to make a figurative meaning. | Metaphor, simile, rhetorical <br> devices (questions, triples), <br> personification, alliteration. |

ZAP and STAMP Language Devices

| Z | Zoomorphism | Gives something animal features or sounds. |
| :---: | :---: | :---: |
| A | Alliteration | When words next to each other start with <br> the same letter. |
| P | Power of three | When three adjectives, three verbs or three <br> adverbs are used together. |
| S | The Five Senses | When something is described as something <br> else using like' or 'as'. |
| T | Describing how or what something looks, <br> smells, tastes, sounds or feeels like. |  |
| A | Metaphor | Modifies or describes a noun or pronoun <br> (describing words). |
| M | The comparison of one thing to another <br> without the use of like or as: "A man is but <br> a weak reed"; "The rood was a ribbon of <br> moonlight." |  |
| P | Personification | When something is described as having <br> human characteristics or features. |

Pathetic Fallacy is when the weather/nature is used to reflect the
Pathetic Fallacy character's emotion/mood. E.g. 'The cold rain poured down' shows the character is feeling depressed.

## You SOZOP Paragraph Structure

| You | Only include the second person <br> pronouns 'you' or 'your'. | Do not use 'l'. |
| :---: | :---: | :---: |
| $\mathbf{S}$ | Set the scene. | Describe the setting. Where are you? |
| $\mathbf{O}$ | Other senses. | Include any other senses that you did not <br> include in the first paragraph. Have you <br> included everything you can? |
| $\mathbf{Z}$ | Zoom in on one thing. | Pick something in the image to focus on <br> and describe it. |
| $\mathbf{O}$ | Opposite Zoom - Zoom in on <br> something else. | Pick something else to focus on and <br> describe it. |
| $\mathbf{P}$ | Big Picture - Zoom back out to <br> the big picture. | What has changed that you can <br> describe (e.g. time of day)? What else <br> can you add? |

## Quest for Knowledge - Assessment Cycle Three - English

## Connectives

| Connectives | A word used to connect words, phrases, clauses, and sentences, as a |
| :---: | :--- |
| conjunction. |  |

## Elevated Diction

| Anger | Indignant | Angry because of something that perceived as being unfair. |
| :---: | :---: | :---: |
|  | Irate | Extremely angry. |
|  | Resentful | To feel angry because you have been forced to accept someone or something that you do not like. |
|  | Vexed | Annoyed, frustrated or worried. |
| Brave | Courageous | Not afraid of danger or pain; being brave. |
|  | Dauntless | Showing determination and no fear. |
|  | Valiant | Very brave or determined, especially when things are difficult, or the situation gives no cause for hope. |
|  | Valorous | Showing great courage in the face of danger, especially in battle. |
| Depressed | Crestfallen | Sad and disappointed. |
|  | Disconsolate | Extremely sad and unable to be comforted. |
|  | Forlorn | Alone and unhappy; left alone and not cared for. |
| Evil | Iniquitous | Grossly unfair and morally wrong. |
|  | Malevolent | Causing or wating to cause harm or evil. |
|  | Malignant | Evil in nature or effect. |
| Happy | Convivial | Friendly, lively and enjoyable. |
|  | Ecstatic | Feeling or expressing overwhelming happiness or joyful excitement. |
|  | Elated | Extremely happy and excited. |
|  | Jovial | Cheerful and friendly. |
| Intelligent | Ambitious | Having or showing a strong desire and determination to succeed. |
|  | Enterprising | Good at thinking of and doing new and difficult things; especially things that will make money. |
|  | Innovative | Using new methods or ideas. |

## Quest for Knowledge - Assessment Cycle Three - English

## Dependent/Subordinate Clauses

| Dependent/ <br> subordinate clause | A dependent clause - also known as a subordinate clause - is an incomplete <br> independent clause; it lacks either a noun or verb, or it has both but does not express a <br> complete thought that makes sense. Dependent clauses usually start with a relative <br> pronoun (which, that) a participle (dancing, shouting) or a subordinating conjunction <br> (because, though). |
| :---: | :---: |


| Appositive | A noun or noun phrase that renames or adds identifying information to a noun it immediately follows. | His brother, an accountant with Arthur Andersen, was recently appointed. |
| :---: | :---: | :---: |
| Fronted adverbial | Beginning a sentence with an adverb followed immediately by a comma. | Suddenly, the car stopped. |
| Preposition | Please see previous page for definition. | Under the stairs, he slept. Inside, she felt empty. <br> The rain, in England, never stops! |
| Subordinating conjunctions (ON A WHITE BUS) | Please see previous page for definition. | When the effulgent stars shone, it reminded them of paradise. |
| Relative clause | Relative clauses are clauses starting with the relative pronouns: who, that, which, whose, where, when. They are most often used to define or identify the noun that precedes them. | King Midas, who was very greedy, did not heed God's warning. |
| Verb, noun. | These sentences start with a verb, followed by a comma, and then the noun of the person/thing along with what they do. | Flying, John had always been terrified of it. Trembling, he fled from the beast. |

Elements of Writing: clauses and sentences.


Commas are for demarcating clauses not for pauses!

| Sentence | Definition | Example |
| :---: | :--- | :--- |
| Simple <br> sentence | A simple sentence contains one main (independent) <br> clause. | The boy fell. |
| Compound <br> sentence | Compound sentences are made of two or more <br> main (independent) clauses linked by a connective <br> (usually a coordinating conjunction). | The boy fell, and the girl <br> laughed. |
| Complex <br> sentence | A complex sentence contains a main clause and a <br> subordinate clause. | The girl laughed because the <br> boy fell. |
| Complex- <br> Compound | A compound-complex sentence has two main <br> clauses joined to one or more subordinate clauses. | The girl, who was immature, <br> laughed as the boy fell. |
| Because <br> colon | Use a colon to replace the conjunction 'because' (or <br> for') where it joins two main clauses. The colon tells the <br> reader that the second main clause will explain, justify <br> or elaborate on the first main clause. A colon means <br> "that is to say" or "here's what I mean". | The dodo was utterly alone: it <br> was the last of its kind. |
| Colon list <br> starter | Use a colon to introduce an item or a series of items. <br> Do not capitalize the first item after the colon (unless <br> it's a proper noun). | You may be required to bring <br> many things: sleeping bags, pans, <br> utensils, and warm clothing. |
| Conjunctive <br> adverbs <br> semi-colon <br> (however) | Use a semicolon between two main clauses that are <br> connected by conjunctive adverbs. The semi-colon goes <br> before the conjunctive adverb. See Q4K glossary for <br> phrases. | You must do your homework; <br> otherwise, you might get a bad <br> grade. |

## Analysis Writing: Stepping stones to great planning!

| Stepping <br> Stone | What I need to do: |
| :---: | :--- |
| $\mathbf{1}$ | Pick an interesting word. (STAND OUT) |
| $\mathbf{2}$ | Look at the sentence the word is in - what language device/word class can <br> you spot? (SPOT) |
| $\mathbf{3}$ | Note down what this meaning might symbolise and make you imagine. <br> (IMAGINE) |
| $\mathbf{4}$ | Therefore, how does the writer's symbolism link back to the key words in the <br> question? (THEREFORE) <br> Always write in topic sentences! |

## Evaluative Writing: <br> Stepping stones to great planning!

| Stepping <br> Stone | What I need to do: |
| :---: | :--- |
| $\mathbf{1}$ | 1. Find key words. <br> 2. Delete the noise (unnecessary words). <br> 3. List synonyms for 'extent'. |
| $\mathbf{2}$ | 1. Rule off the lines. <br> 2. Copy the words you're arguing about onto the extract (insert). <br> 3. Highlighter key: agree colour and disagree colour. |
| $\mathbf{3}$ | 1. Read! Highlight any quotes that make you disagree/agree - the shorter, more <br> precise the quote, the better! |
| $\mathbf{4}$ | 2. Make a rough note (annotation) of why the quote makes you agree/disagree. <br> 3. Circle a specific word in the quote to write about in your answer/argument. |
| $\mathbf{5}$ | 1. Review and number your quotes. <br> 2. Number the quote you can write most passionately about as number 1 and so <br> on. |
|  | 1. Write up your argument, starting with quote 1. <br> 2. Use a topic sentence to introduce the quote. <br> 3. Give the quote - just the key words! <br> 4. Explain what you learn from the quote - think about the question! <br> 5. Higher marks: comment on the language. <br> 6. Higher marks: show the other side to each point. |

## Grammar Support

| Term | Definition |  | Example |
| :---: | :---: | :---: | :---: |
| FANBOYS (co-ordinating conjunctions) | The co-ordinating conjunctions include: for, and, nor, but, or, yet, so. <br> When co-ordinating conjunctions join two main/independent clauses together a comma is placed before the co-ordinating conjunction (FANBOYS). However, if one of these words are joining a main/independent clause with a subordinate/dependent clause, it is no longer being used as a co-ordinating conjunction, so it does not require a comma before it. | I am revising my FANBOYS, so I know where to place my commas. |  |
|  |  | F | For |
|  |  | A | And |
|  |  | N | Nor |
|  |  | B | But |
|  |  | 0 | Or |
|  |  | Y | Yet |
|  |  | S | So |
| ON A WHITE BUS (subordinating conjunctions) | The subordinating conjunctions include: when, where, while, after, although, before, because, if, though, and since. These are a sample of subordinate conjunctions. For additional words, consult a grammar book. | When I wake up, I like to eat a bowl of Captain Crunch cereal. |  |
|  |  | 0 | only if |
|  |  | N | now that |
|  |  | A | as (after, although) |
|  |  | W | when, whenever, where, wherever, while |
|  | When subordinating conjunctions begin a sentence, a comma always is placed in the middle of the sentence just before the main or independent clause. However, if the subordinating conjunction is in the middle of the sentence, then the comma is not used. | H | how, however |
|  |  | I | if, in case |
|  |  | T | though |
|  |  | E | even if/though |
|  |  | B | before, because |
|  |  | U | unless, until |
|  |  | S | since |


| Key Term | Definition/Examples |
| :---: | :---: |
| The top number of a fraction is called the numerator. The numerator <br> tells you how many parts we have. <br> Numerator and <br> Denominator | The bottom number is called the denominator. The denominator tells <br> you how many parts are in a unit. |
| E.g. There are 3 equal parts shaded. The numerator is 3. |  |
| There are 7 equal parts in each unit. The denominator is 7. |  |

The steps for working out fractions of amounts are the following: 1) Write whole numbers as a fraction by making the denominator 1. 2)Multiply the two fractions.

$$
\text { E.g. } \frac{2}{5} \text { of } 10=\frac{2}{5} \times \frac{10}{1}=\frac{20}{5}=4
$$

When we multiply the numerator and denominator of a fraction by the same number we get an equivalent fraction.

This doesn't change the value because a fraction with the same numerator and denominator is equal to 1.

$$
\frac{2}{9} \times \frac{2}{2}=\frac{4}{18}
$$

Therefore $\frac{2}{9}$ and $\frac{4}{18}$ are equivalent.

| Key Term | Definition/Examples |
| :---: | :---: |
| Multiplying Fractions Hegarty Maths - 68-69 | When multiplying fractions, we multiply the numerators together and multiply the denominators together. We can simplify if required. $\text { E.g. } \frac{3}{4} \times \frac{5}{6}=\frac{3 \times 5}{4 \times 6}=\frac{15}{24}=\frac{5}{8}$ |
| Dividing Fractions <br> Hegarty Maths - 70 | When dividing fractions, you need to make the denominators the same using equivalent fractions. You can then divide the numerators and remove the original denominator. $\text { E.g. } \frac{2}{5} \div \frac{1}{4}=\frac{8}{20} \div \frac{5}{20}=\frac{8}{5}$ |
| Adding and Subtracting Fractions Hegarty Maths - 65-66 | When adding and subtracting fractions, you need to use equivalent fractions to make the denominators the same. Then add or subtract the numerators but leave the denominator as it is. You can then simplify or convert to a mixed number if required. $\begin{gathered} \text { E.g. } \frac{1}{3}+\frac{5}{6} \\ =\frac{2}{6}+\frac{5}{6}=\frac{7}{6}=1 \frac{1}{6} \end{gathered}$ |

A mixed number contains a whole number and a fraction.
E.g. $1 \frac{1}{2}$

An improper fraction is a fraction that is greater than one, where the numerator is greater than the denominator.

$$
\text { E.g. } \frac{11}{10}
$$

To convert a mixed number into an improper fraction, you need to convert the whole number into a fraction and add it to the rest of the fraction part.

$$
\text { E.g. } 1 \frac{1}{2}=\frac{2}{2}+\frac{1}{2}=\frac{3}{2}
$$

To convert an improper fraction to a mixed number you need to do the numerator divided by denominator and leave your remainder as a fraction.
E.g. $\frac{15}{13}=15 \div 13=1$ remainder $2=1 \frac{2}{13}$

| Key Term | Definition/Examples |
| :---: | :---: |
| Converting Between Fractions and Decimals Hegarty Maths 73-74 | 1. To convert a fraction to a decimal: numerator $\div$ denominator. $\text { E.g. } \frac{2}{5}=2 \div 5=0.4$ <br> 2. To convert a decimal to a fraction, use place value to make the denominator a power of $10(10,100,1000$ etc.). $\text { E.g. } 0.7=\frac{7}{10} ; 0.43=\frac{43}{100}$ |
| Converting Between Decimals and Percentages Hegarty Maths - 55 | 1. To convert a decimal to a percentage, multiply by 100. $\text { E.g. } 0.45=45 \% ; 0.09=9 \%$ <br> 2. To convert a percentage to a decimal, divide by 100. $\text { E.g. } 36 \%=0.36 ; 12.5 \%=0.125$ |
| Converting Between Fractions and Percentages Hegarty Maths 75-76 | 1.To convert a fraction to a percentage, first convert to a decimal by doing numerator $\div$ denominator (see converting fractions to decimals above) then convert to a percentage by multiplying by 100 (see converting decimals to percentages above). $\text { E.g. } \frac{1}{10}=0.1=10 \%$ <br> 2. Another method to convert a fraction to a percentage is to make the denominator into 100. $\text { E.g. } \frac{7}{50}=\frac{14}{100}=14 \%$ <br> 3. To convert a percentage to a fraction, use 100 as the denominator (percentages are always "out of 100") then simplify if possible. $\text { E.g. } 30 \%=\frac{30}{100}=\frac{3}{10}$ |


| Key Term | Definition/Examples |  |  |
| :---: | :---: | :---: | :---: |
| Common Equivalent <br> Fractions, Decimals and <br> Percentages | The equivalent fractions, decimals and percentages below are ones <br> that you need to learn from memory. |  |  |
|  |  | Fraction Decimal Percentage <br> $\frac{1}{2}$ 0.5 $50 \%$ <br>  $\frac{1}{4}$ 0.25 <br> $\frac{1}{10}$ 0.1 $25 \%$ <br> $\frac{1}{100}$ 0.01 $10 \%$ <br>  $\frac{1}{5}$ 0.2 <br> $\frac{1}{20}$ 0.05 $20 \%$ |  |
|  |  |  |  |

Percentages of Amounts
Hegarty Maths 84-87

## Common Percentages of

## Amounts

To work out the percentage of an amount there are two main methods:

1. Convert the percentage to a decimal and multiply the decimal by the amount.

$$
\text { E.g. } 40 \% \text { of } 150=0.4 \times 150=60
$$

2. Convert the percentage to a fraction (out of 100) and multiply the fraction by the amount (divide by the denominator and multiply by the numerator).
E.g. $75 \%$ of $90=\frac{75}{100} \times 80=\frac{3}{4} \times 80=60$

| Percentage | Converted to <br> a Fraction | Simplified <br> Fraction | Method to Find Percentage <br> of an Amount |
| :---: | :---: | :---: | :---: |
| $50 \%$ | $\frac{50}{100}$ | $\frac{1}{2}$ | Divide by 2. |
| $25 \%$ | $\frac{25}{100}$ | $\frac{1}{4}$ | Divide by 4. |
| $10 \%$ | $\frac{10}{100}$ | $\frac{1}{10}$ | Divide by 10. |
| $1 \%$ | $\frac{1}{100}$ | $\frac{1}{100}$ | Divide by 100. |
| $20 \%$ | $\frac{20}{100}$ | $\frac{1}{5}$ | Divide by 5 (Or divide by <br> 10 then multiply by 2) |
| $5 \%$ | $\frac{5}{100}$ | $\frac{1}{20}$ | Divide by 20 (Or divide by <br> 10 then divide by 2). |


| Key Term | Definition/Examples |
| :---: | :---: |
| Percentage Increase and Decrease Hegarty Maths - 88-91 | To increase or decrease an amount by a percentage, work out the percentage of the amount, then add or subtract it from the original amount. <br> E.g. Increase $£ 60$ by $5 \%$. $5 \% \text { of } £ 60=£ 3$ <br> Increase means add, so $£ 60+£ 3=£ 63$ <br> E.g. Decrease 500 kg by $20 \%$. $20 \% \text { of } 500 \mathrm{~kg}=100 \mathrm{~kg} .$ <br> Decrease means subtract, so $500-100=400 \mathrm{~kg}$. |
| Simple Interest Hegarty Maths - 93 | Simple interest is when interest is calculated on the original amount and stays the same each period. <br> E.g. I borrow $£ 2000$ over 5 years at $2.5 \%$ simple interest. How much do I need to pay back? <br> STEP 1: $2.5 \%$ of $£ 2000$ is $£ 50$ <br> STEP 2: $£ 50 \times 5$ years $=£ 250$ total interest <br> STEP 3: $£ 2000+£ 250=£ 2250$ paid back to the back. |
| Percentage Change Hegarty Maths - 97 | To work out what percentage an amount has changed by: $\frac{\text { change in amount }}{\text { original amount }} \times 100$ <br> E.g. The cost of a chocolate bar has increased from 50p to 60p. <br> What is the percentage change? $\begin{gathered} \text { Change in cost }=10 p \text { increase } \\ \text { Original cost }=50 p \\ \frac{10}{50} \times 100=20 \% \end{gathered}$ |

Electrical Circuits

| Key Word, Symbol | Definition |
| :---: | :---: |
| Current, I | The flow of charge (electrons) around a complete circuit. It is measured in amps (A) using an ammeter. |
| Amps, A | The unit of current. It has the symbol, A. |
| Potential Difference, V | The energy given to (or taken from) each electron. <br> Cells and batteries give energy to the electrons; bulbs, buzzers and motors take energy from each electron. |
| Volts, V | The unit of potential difference. It has the symbol, V . |
| Resistance, R | Anything that acts against the flow of current causes resistance in the circuit. The more resistance, the more difficult it is for the current to flow. It is measured in Ohms, $\Omega$. |
| Ohms, $\Omega$ | The unit of resistance. It has the symbol, $\Omega$, which is the Greek letter omega. |
| Ohm's Law | The relationship between potential difference, current and resistance. $\begin{aligned} \text { Potential Difference (Volts) }= & \text { Current (Amps) X Resistance (Ohms) } \\ & V=I \mathrm{R} \end{aligned}$ |
| Series Circuit | A circuit that contains just one loop/path for the electrons to follow. |
| Parallel Circuit | A circuit that contains more than one loop/branch/path for the current to follow. |


| Series | Parallel |
| :---: | :---: |
| Current is the same everywhere. | The current splits at a junction. The current <br> along the two branches leaving the junction <br> must be equal to the current from the <br> branch into the junction. |
| The potential difference splits between the <br> different components. The sum of the p.d. <br> across the components = the sum of the p.d. <br> of the battery. | The potential difference is the same on <br> each branch of the circuit. |

# Quest for Knowledge - Assessment Cycle Three - Science Separating Mixtures 

| Soluble | Means something will dissolve. |
| :---: | :---: |
| Dissolve | When the particles of a solute and a solvent completely mix. |
| Solute | A solid that dissolves in a liquid. |
| Solvent | A liquid that dissolves a solid. |
| Solubility | The maximum amount of solute that will dissolve. |
| Solution | The mixture formed when a solute dissolves in a solvent. |
| Filtration | Separates an insoluble solid from a liquid. E.g. sand and water. <br> The sand doesn't dissolve and the particles are too big to pass through the filter paper, so they get left behind. |
| Residue | The solid left over from filtration. |
| Filtrate | The liquid that passes through the filter paper. |
| Filtration |  |
| Distillation | Separates a soluble solid from a liquid. E.g. salt and water. <br> Also separates two liquids with different boiling points. E.g. water and oil. The solution is boiled and the liquid turns to a gas (the solid gets left behind). The vapour is then cooled down using a condenser, which turns the gas back into a liquid. |
| Distillation |  |
| Chromatography | Separates different colours in inks and dyes. <br> When the paper is put into the water, the water moves up the paper and dissolves the ink. <br> The ink (solute) is then carried up the paper with the water. <br> The easier it is for the ink to dissolve (the more soluble it is) the further up it will go. |
| Rf Value | The ratio of the distance moved by the solute (ink) compared to the distance moved by the solvent (e.g. water). |

Quest for Knowledge - Assessment Cycle Three - Science
Reproduction

## Reproduction

Reproduction is the process by which animals (and plants) make offspring.

In humans, a sperm cell is produced in the testes during puberty. It leaves the penis with millions of other sperm cells via the sperm duct and the urethra. The sperm cell enters the vagina and then travels through the cervix towards the oviduct (egg tubes). An egg that has matured in the ovaries is released and hopes to meet with a sperm cell.

If a sperm cell meets the egg cell it can fertilise it. The fertilised egg divides into lots of cells (an embryo) and travels down the egg tube into the uterus. Here it nestles into the lining and develops into a baby over 9 months.

## Menstrual Cycle

When a girl goes through puberty, they begin their menstrual cycle (period). Eggs mature in the ovaries. Once a month, an egg is released from one of the ovaries and travels down the oviduct.

During this time, the lining of the uterus starts to thicken so that is ready to accept a fertilised egg. If the egg cell is not fertilised then the lining of the uterus breaks down and leaves the vagina with a little bit of blood (a period). Then the cycle begins again.


## Plant Reproduction

Flowering plants reproduce sexually through a process called. The flowers contain male sex organs called stamens (stamen and filament) and female sex organs called pistils made up out of the stigma, style, ovule and ovary. The male and female sex cells produced from the male and female sex organs must meet for reproduction to begin.

- Wind-pollinated plants let their pollen blow in the wind and hope that their pollen grains reach another plant for pollination.
- Insect-pollinated plants use insects and other animals to carry their pollen grains to other plants.



## Genetic Variation

Variation helps a species to survive, by causing individuals of a species to be genetically and physically different.
Children generally look a little like their mother and their father, but are not identical to either. They inherit their features from each parent's DNA.

Surveys into variation give data that are continuous, which means to come in a range, or discontinuous, which means to come in groups.

Discontinuous variation give us values that come in groups such as blood group, eye colour and hand used to write with.
Continuous variation give us results that come in a range such as height, weight and arm span.

| Apparatus | Description and Function |
| :---: | :---: |
| Beaker | A glass container with a pouring lip. Used to hold, mix or heat substances. |
| Balance | Scales used to measure mass. |
| Measuring Cylinder | A cylindrical container used to measure the volume of liquid. |
| Dropper/Pipette | A thin, tapering glass or plastic tube used to eject or suck in a small amount of fluid. |
| Test Tube | A thin, cylindrical container, usually made of glass. Used to hold chemical and biological substances. |
| Boiling Tube | A slightly larger glass test tube. Used to heat substances over a Bunsen burner. |
| Thermometer | A device that measures temperature. |
| Funnel | A tube that is wide at one end and narrow at the other. Used to move liquids or particles through a narrow opening. |
| Syringe | A tube and plunger used to eject or suck in a fluid or gas. |
| Stopwatch | Used to measure the duration of an event. Usually hand-held and operated by buttons. |
| Microscope | A device that uses lenses to magnify items that are normally too small for the human eye to see. e.g. cells. |
| Conical Flask | A glass container with a flat base, a wide, rounded body and a long neck. The slanted sides and narrow neck of this flask allow the contents of the flask to be mixed by swirling, without risk of spillage. |
|  |  |

# Quest for Knowledge - Assessment Cycle Three - Science Working Scientifically 

| Key Word | Definition |
| :---: | :---: |
| 1. Anomalous | An odd result that does not fit the general trend or pattern of results. |
| 2. Control <br> Variables | Variables or factors kept same during the investigation. |
| 3. Dependent <br> Variable | Results or measurements (output variable). This is what you measure, count or look <br> out for. |
| 4. Independent <br> Variable | Factor that you change on purpose or deliberately (factor under investigation i.e. <br> the input variable). |
| 5. Range | Lowest to the highest value of the independent variable that is to be investigated. |
| 6. Valid | Something is reliable, accurate or trustworthy. |
| 7. Prediction | What you think will happen when the factor is changed. |
| 8. Hypothesis | A hypothesis or prediction is made with limited evidence at the beginning of a |
| scientific investigation. |  |
| 9. Accuracy | Accuracy refers to how close a measurement is to the true or accepted value. |
| 10. Precision | Precision refers to how close measurements of the same item are to each other. |



High Accuracy High Precision


Low Accuracy High Precision


High Accuracy Low Precision


Low Accuracy Low Precision

## Presenting Data

## When constructing a table use the following guidelines:

- Each column has a heading (including units).
- Units are not needed throughout the table, only in the heading.
- Use the same number of significant figures in each column.
- Place the independent variable in the left hand column.


## When plotting a graph use the following guidelines:

- Independent variable on the $x$-axis and dependent on the $y$-axis.
- Axes labelled with units.
- Axes increasing in equal increments.
- Informative title.
- Line of best fit (if applicable).

Quest for Knowledge - Assessment Cycle Three - Science
The Periodic Table
Relative atomic masses for Cu and Cl have not been rounded to the nearest whole number.



## Sources Analysis

Use the acronym SNOP to remember how to evaluate sources - Source Content, Nature, Origin, Purpose.

| Source Content |  | The words and images in the source itself. |
| :---: | :---: | :---: |
|  | Nature | What type of source is it? (e.g. newspaper, diary entry, photograph) |

## Source Content - Describe

 what you can see in the source. If it's a text source, use a quote.Nature (type of source)


## Source B: An unknown Artist created this portrait

 following Elizabeth's defeat of the Spanish Armada in 1588.|  | Quest for Knowledge - Assessment Cycle Three - History |  |
| :---: | :---: | :---: |
| academy |  | Who has power: Church or King? |
| Monarch | Duration | Description |
| Henry VII AKA Henry Tudor | $\text { 1485-1 } 509$ <br> The Tudor Period | Henry Tudor became Henry VIII of England when he defeated Richard III at the Battle of Bosworth on $22^{\text {nd }}$ August 1485 , who was also the last English king to die in battle. Henry VII made England into a peaceful and prosperous kingdom by ending the constant feuding of the Wars of the Roses. |
| Henry VIII | 1509-1547 <br> The Tudor Period | In 1534, Henry VIII began the English Reformation when he broke the kingdom away from the Catholic Church. He did this mainly so he could divorce his first wife, Catherine of Aragon. He was also responsible for the Dissolution of the Monasteries, starting in 1536, which meant Henry VIII could take the wealth and land from the Catholic Church in England. |
| Edward VI | 1553-1547 <br> The Tudor Period | Edward was the first English monarch to be raised a Protestant. He was 9 years old when he came to the throne on 15 January 1547 , and 15 when he died. Therefore, for the whole of his reign, there was a regency council His rule saw England become ever more Protestant. The last head of the regency council, and therefore regent, was the Duke of Northumberland. |
| Lady Jane Grey AKA <br> The Nine Day Queen | 10th July 1553- <br> 19'h July 1553 <br> The Tudor Period | When Edward VI died, the next in line to the throne was Mary. She was a committed Catholic. Edward's regent, the Duke of Northumberland, could not accept another Catholic monarch. He therefore arranged for Henry VII's granddaughter, and his daughter in law, Jane Grey, to be queen. She only lasted 9 days before Mary I and her army arrived in London to take power. Both the Duke and Jane Grey were beheaded. The Duke on $22^{\text {nd }}$ August 1553 and Lady Jane Grey on $12^{\text {th }}$ February 1554 , aged 16 or 17. |
| Mary I AKA Bloody Mary | 1553-1558 <br> The Tudor Period | Mary I returned England to Catholicism, but notably did not return the wealth or land to the church. She earned the nickname Bloody Mary by burning many leading Protestants at the stake for their religion. She was by far the bloodiest Tudor monarch, with 283 executions for heresy. |
| Elizabeth I AKA The Virgin Queen | 1558-1603 <br> The Tudor Period/Elizabethan Era | After her sister's death, Henry VIll's youngest child became queen. Elizabeth, although making herself head of the Protestant English Church, followed a middle way policy of trying to please both Protestants and Catholics. She is most notable for leading the country to victory against the invasion of the Spanish Armada. She presented herself as the 'Virgin Queen', not only to appear pure, but to ensure that no husband could become king in her place. |
| James I <br> AKA <br> James VI of Scotland | 1603-1625 <br> The Stuart Period | Elizabeth arranged for a peaceful succession after her death, by inviting the king of Scotland, James VI, to become James I of England too. This meant England and Scotland had the same king. He survived a Catholic plot to destroy him and his government in 1605 when Guy Fawkes's Gunpowder Plot was discovered. |

ACADEMY LANGLEY

# Quest for Knowledge - Assessment Cycle Three - History <br> Who has power: Church or King? 

| Week 1 |  |
| :---: | :---: |
| Key Words \& Facts | Description |
| Renaissance | Period of European history between the Middle Ages and the Early Modern Period. |
| Classical | The Classical Period means Ancient Greece and Rome. |
| Dark Ages | Another word for Early Middle Ages. In England, started when the Romans left and finished with the Norman Conquest. |
| Reformation | During the period of the Renaissance, some thinkers wanted changes to the Catholic Church. This was called the Reformation. |
| 1350-1400 | When the Renaissance was considered to have started. |
| 1700-1750 | When the Renaissance is considered to have ended. |
| Italy | Where the Renaissance is considered to have started. |
| Ancient Greece \& Rome | Where Renaissance thinkers got their ideas. |
| Johannes Gutenberg | Inventor of the first practical printing press. First used in 1440 and perfected by 1450. |
| 40 | Number of pages printing presses could copy before the Gutenberg Press. |
| Over 1000 | The amount of pages a Gutenberg Printing Press could copy in day. |
| Catholic Church | The Church controlled copying of books before the Gutenberg Printing Press, as they have a workforce of monks in monasteries to hand copy books. |



> LEFT: Prometheus Bring Fire to Mankind. (Fuger, 1790)

## Right:

 Example of Middle Ages painting showing religious imagery.

| Week 2 |  |
| :---: | :---: |
| Key Words \& Facts | Description |
| 1505 | Martin Luther starts to train to be a monk. |
| Purgatory | Where Catholics believe you go between dying and getting access to heaven. |
| Letters of Indulgence | A Letter of Indulgence could be purchased from a member of the Catholic clergy and it would shorten your time in Purgatory. The more you paid for your Letter of Indulgence, the more chance for you to go straight to Heaven. |
| Catholic | The Church based in Rome and headed by the Pope. |
| Protestant | A church or a person inspired by Luther's split with the Catholic Church. |
| Eucharist | Eucharist is the miracle Catholics believe happens when the bread and wine consumed in church becomes the actual flesh and blood of Jesus Christ. |
| Transubstantiation | The name of the miracle where the bread and wine turns into the flesh and blood of Jesus Christ. |
| Communion | Some Protestant churches, such as the Church of England, still ceremonially eat and drink bread and wine in church but believe it only represents the body of Christ. |
| 1507 | Year Martin Luther becomes a monk. |
| 95 Thesis or Points | Martin Luther nailed 95 Points to the church door in Wittenburg. |
| 1517 | The year of Martin Luther's protest in Wittenburg. |
| 1520 | Pope Leo X demands Martin Luther withdraws his protest. |
| 1521 | Diet of Worms - Trial of Martin Luther. |
| Wartburg Castle | Luther's friend and supporter Frederik the Wise of Saxony hid Luther in this castle. |
| Access to God | The Catholic Church teaches that God can be interpreted and accessed only through the Catholic Church. Protestants believe the individual can have a personal relationship with God through good works and reading the Bible. |
| Holy Orders | The structure, personnel and ceremony of the Catholic Church. |

LANGLEY

## Quest for Knowledge - Assessment Cycle Three - History <br> Who has power: Church or King?

 LANGLEY| Week 3 |  |
| :---: | :---: |
| Key Words \& Facts | Description |
| Richard III | The last King of England to be killed in battle, at the Battle of Bosworth, in 1485. |
| Henry VII | The first Tudor monarch and father of Henry VIII and others. |
| Prince Arthur | Henry VII's first born son, who died of disease aged 16 on 2 ${ }^{\text {nd }}$ April 1502. |



## Week 4

| Week 4 |  |
| :---: | :---: |
| Key Words \& Facts | Description |
| Monastery | Name for monasteries, abbeys, convents and priories. Religious buildings which would pray for the local community and provide health and hospitality. |
| Dissolution | Dissolution, or dissolve, means to get rid of something. |
| Monk or Nun | A monk is a person who devotes themselves to a religion and gives up their possessions and wealth to do so. A nun is the female equivalent. |
| Icon | A religious statue, painting, ornament or relic. |
| Suppression | To keep something down or prevent it thriving. |
| Healing the Sick | Monasteries would often heal the sick in the local community. |
| Hospitality | Monasteries would provide a bed and a hot meal for travellers. |
| Tithe | Taxes paid to the church are called tithes. |
| Hospital | In the Middle Ages hospital meant a place which provided hospitality. Now the word means a building where sick people are treated. |
| Infirmary | In the Middle Ages, Infirmary was synonymous with the modern use of hospital. |
| Corruption | People misusing power to gain wealth, influence and more power. |
| A Man/ Woman in Charge of a Monastery | An abbot or prior/ abbess or mother superior. |
| c. 800 | The amount of monasteries in England and Wales in 1530. |
| Poverty | To have very little wealth or money. |
| Chastity | To not have sex - like celibate. |
| Obedience | To do as you are told. |
| Vow | A sacred promise - like an oath o pledge. |
| $3^{\text {rd }}$ November 1534 | Act of Supremacy made Henry VIII head of the English church. |
| Early 1536 | Thomas Cromwell begins Valor Ecclesiasticus - a survey into the wealth of the Church. |
| 1536 | Act for the Dissolution of the Smaller Monasteries - any monastery with an annual income of less than $£ 200$ is to be taken by the crown. |
| December 1536 | Start of uprisings which led to the Pilgrimage of Grace. |
| 1539 | Act for the Dissolution of the larger Monasteries - the beginning of the end of the monasteries. |
| March 1540 | Waltham Abbey is the last monastery in England to be dissolved. |

## Week 5

| Week 5 |  |
| :---: | :---: |
| Key Words \& Facts | Description |
| Pilgrimage | A holy or sacred journey. |
| Uprising / Revolt / <br> Rebellion / Revolution | All these words have a core similarity, which is a serious protest against someone or <br> something in a position of authority. |
| Grace | In a Christian sense, grace means to be living a life God would approve of. |
| Yorkshire | Yorkshire is a large county in the North of England. The county town is the historic city |
| of York. |  |



Quest for Knowledge - Assessment Cycle Three - History
Who has power: Church or King?

## Week 6

| Week 6 |  |
| :---: | :---: |
| Key Words \& Facts | Description |
| Bloody Mary | This was the nickname of the Queen of England who reigned between July 1553 and |
| $17^{\text {th }}$ November 1558. |  |


| Week 7 |  |
| :---: | :---: |
| Key Words \& Facts | Description |
| Assessment | The purpose of an assessment is to find out the strengths and weaknesses of something. <br> Assessments happen of Week 7 so we can find out what students have learned well and <br> what needs to be improved, and also to discover whether students are where they <br> should be on the path to their predicted grade in Year 11. |
| Recall | For us, Recall means the ability to bring information which has been previously learned <br> from memory into the present mind. |
| Apply | For the assessment, apply means using information which has been recalled from <br> memory and creating an answer to a question with it. |
| Review | Review means to look back over something to see strengths and weaknesses and <br> discover ways to improve weaknesses or cement strengths in the future. |
| Revise | The purpose of revision is to repetitively recall information so it will be easier to recall in <br> the future, such as for an exam or an assessment. |
| Reflect | Reflect means to take time to think about prior performances and identify what went <br> well and what could be better. The purpose of this is to identify how to do better in the <br> future. |


| Monarch | Date | Reign | Executed by <br> burning | Executed per <br> Year |
| :---: | :---: | :---: | :---: | :---: |
| $\underline{\text { Henry VII }}$ | $1485-1509$ | 24 Years | 24 | 1 |
| $\underline{\text { Henry VIII }}$ | $1509-1547$ | 38 Years | 81 | 2.1 |
| Edward VI | $1547-1553$ | 6 Years | 2 | 0.3 |
| Mary | $1553-1558$ | 5 Years | 283 | 57 |
| $\underline{\text { Elizabeth }}$ | $1558-1603$ | 45 Years | 4 | 0.08 |




## Week 9

| Week 9 |  |
| :---: | :---: |
| Key Words \& Facts | Description |
| Gunpowder Plot | A conspiracy to blow up the King of England and his parliament to allow England to return to Catholicism. |
| $5^{\text {th }}$ November 1605 | The date of the Gunpowder Plot, remembered to this day with Guy Fawkes Night aka Bonfire Night. |
| Robert Catesby | The leader of the Gunpowder Plot. |
| Guy Fawkes | The most well-known plotter and the person, as an ex-soldier, who was responsible for the gunpowder. It if Guy Fawkes who, in effigy, is burnt on a bonfire on $5^{\text {th }}$ November. |
| 26 ${ }^{\text {th }}$ October 1605 | An anonymous letter received by William Parker, 4th Baron Monteagle on this date, which gave details of the plot. |
| 36 | Number of barrels of gunpowder which Guy Fawkes was caught with below Parliament. |
| Hanged, Drawn, and Quartered | This was a punishment in England for high treason. The prisoner would be hanged but not killed, then cut down and have their intestines cut out and burned while they watched, before their body would be cut up and displayed around the country as a warning to others. |
| Treason | Treason is a crime committed by acting in a way which is damaging to something you are expected to be loyal to, such as; a monarch, a country, a belief or a leader. |
| Traitor | A person who commits treason is a traitor. |
| 1603 | Elizabeth died and James I became king of England. |
| $1^{\text {st }}$ or $6^{\text {th }}$ ? | James was the sixth king of Scotland called James, but the first in England. |
| Conspiracy | A secret plan to deceive or take power. |
| Plotters | People who conspire in a plot. |
| Houses of Parliament | To this day, the place Members of Parliament and the Lords meet to discuss laws. |
| Lord Cecil | King James' head of security - also was a friend of the man who rented the plotter the house next to Parliament. |

## Tectonic Plates

- At the Earth's centre is the core. It has an inner section and an outer section. The inner core is a ball of solid iron and nickel.
- Around the core is the mantle, which is semi-molten rock which moves very slowly.
- The outer layer of the Earth is the crust. It is about $10-70 \mathrm{~km}$ thick.
- The crust is divided into sections called tectonic plates, which float on the mantle.
- Plates are made of two types of crust - continental and oceanic.
- Continental crust is thicker and less dense.
- Oceanic crust is thinner and denser.


Tectonic plates move due to convection currents in the mantle.

- The lower parts of the mantle are sometimes hotter than the upper parts. When these lower parts heat up they become less dense and slowly rise.
- As they move towards the top of the mantle they cool down, become denser, and then slowly sink.
- The circular movements are called convection currents - they cause tectonic plates to move.




## 1. Destructive Plate Boundaries $\longrightarrow$

Destructive boundaries are where two plates are moving towards each other.

- Where an oceanic plate meets a continental plate, the denser oceanic plate is forced down into the mantle and destroyed. This often creates volcanoes and ocean trenches (these are very deep sections of the ocean floor where the oceanic plate goes down e.g. Mariana Trench).

Example: the Pacific plate is being forced under the Eurasian plate along the east coast of Japan.



## 2. Collision Plate Boundaries

In collision plate boundaries, both plates are made from continental crust and move towards each other.

- Neither plate is forced down into the mantle, instead both plates are folded and forced upwards, creating fold mountains.

Example: the Eurasian and Indian plates are colliding, which forms the Himalayas.

## 3. Constructive Plate Boundaries

Constructive boundaries are where two plates are moving away from each other.

- Magma (molten rock) rises from the mantle to fill the gap and cools, creating new crust.

Example: the Eurasian plate and the North American plate are moving apart at the MidAtlantic Ridge.


## 4. Conservative Plate Boundaries

Conservative boundaries are where two plates are moving sideways past each other, or are moving in the same direction but at different speeds.

- Crust isn't created or destroyed at these plate boundaries.

Example: the Pacific plate is moving past the North American plate on the west coast of the USA e.g. at the San Andreas fault.

## Earthquakes

## Earthquakes occur at all four types of plate boundaries.

- Earthquakes are caused by the tension that builds up at all four types plate boundaries.
- The plates eventually jerk past each other, sending out shockwaves (vibrations).
- The vibrations are the earthquake.
- The shockwaves spread out from the focus - the point in the Earth where the earthquake starts. Near the focus, the waves are stronger, so do more damage.
- The epicentre is the point on the Earth's surface straight above the focus.
- Earthquakes are measured using the moment magnitude scale (energy released by an earthquake) and the Mercalli Scale (the effects of the event).
- The Richter Scale, which measures energy released, is no longer used.


## Earthquakes occur at various depths.

- The focus of an earthquake can be at the Earth's surface or up to 700 km below the Earth's surface.
- Shallow-focus earthquakes are caused by tectonic plate movement $0-70 \mathrm{~km}$ below the surface.
- Deep-focus earthquakes are caused by crust that has previously been subducted into the mantle, moving towards the centre of the Earth, heating or decomposing. They have a focus of between 70-700km below the surface.
- Deeper earthquakes generally do less damage than shallower earthquakes, as shockwaves, travelling through more rock to reach the surface, fade in terms of vibration and power.


## Volcanoes

## Volcanoes are found at destructive and constructive plate margins

- At destructive plate margins, the oceanic plate goes under (is subducted) the continental plate (as it is more dense due to the rock it is made of).
- The oceanic plate moves down into the mantle, where it melts and is destroyed.
- A pool of magma forms. The magma rises through the cracks in the crust called vents.
- The magma erupts onto the surface (where it is called lava) forming a volcano.
- At constructive plate margins, the magma rises up into the gap created when plates move apart, forming a volcano.
- When a volcano erupts, it emits lava and gases. Some volcanoes emit lots of ash, which can cover land, block sunlight and form pyroclastic flows (super-heated currents of gas, ash and rock).

There are two different types of volcanoes:

| Composite Volcanoes (Mount Fuji) | Shield Volcanoes (Muana Loa, Hawaii) |
| :--- | :--- |
| - Occur at destructive plate boundaries. |  |
| - Subducted oceanic crust contains water - may cause crust to |  |
| erupt. | - Occur on constructive plate boundaries. |
| - Eruption - starts with layer of ash, before thick, sticky lava, |  |
| that forms a steep-sided cone. |  |$\quad$ - Not very explosive; only made of lava. $\quad$ Runny, fast-flowing lava forms a low, gentle-sided volcano.

## Composite

Quest for Knowledge - Assessment Cycle Three - French Key Verbs

| Infinitive | Meaning in English |
| :---: | :---: |
| Aller | To go |
| Avoir | To have |
| Êre | To be |
| Habiter | To live |
| Parler | To speak/To talk |
| Apprendre | To learn |
| Faire | To do |
| Jover | To play |
| Vouloir | To want |
| Préférer | To prefer |


|  | Present |  |  |  | Near Future |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Je | Tu | II/Elle | Nous | Je |
| Avoir | J'ai | Tu as | II/Elle a | Nous avons | Je vais avoir |
| Être | Je suis | Tu es | II/Elle est | Nous sommes | Je vais êrre |
| Habiter | J'habite | Tu habites | II/Elle habite | Nous habitons | Je vais habiter |
| Parler | Je parle | Tu parles | II/Elle parle | Nous parlons | Je vais parler |
| Apprendre | J'apprends | Tu apprends | II/Elle apprend | Nous apprenons | Je vais apprendre |
| Faire | Je fais | Tu fais | II/Elle fait | Nous faisons | Je vais faire |
| Jouer | Je joue | Tu joues | II/Elle joue | Nous jouons | Je vais jouer |
| Vouloir | Je veux | Tu veux | II/Elle veut | Nous voulons | Je vais vouloir |
| Préférer | Je préfère | Tu préfère | II/Elle préfère | Nous préférons | Je vais préférer |

# Quest for Knowledge - Assessment Cycle Three - French Key Questions 

## Qui suis-je?

| $\mathbf{1}$ | Moi, ie suis née à Londres, en Angleterre | Me, I was born in London, in England |
| :---: | :---: | :---: |
| $\mathbf{2}$ | donc je suis anglaise. | therefore I am English. |
| $\mathbf{3}$ | Cependant, ma mère est polonaise | However, my mother is Polish |
| $\mathbf{4}$ | et mon père est de nationalité chinoise. | and my father is of Chinese nationality. |
| $\mathbf{5}$ | Chez moi, je parle l'anglais, le polonais | At home, I speak English, Polish |
| $\mathbf{6}$ | ainsi que le chinois et i'aimerais | as well as Chinese and I would like |
| $\mathbf{7}$ | apprendre le français car i'adore Paris. | to learn French since I love Paris. |
| $\mathbf{8}$ | J'ai les cheveux mi-longs, frisés et blonds | I have mid-length, frizzy and blonde hair |
| $\mathbf{9}$ | et j'ai les yeux verts comme ma mère. | and I have green eyes like my mother. |
| $\mathbf{1 0}$ | Je dirais que je suis quelqu'un de plutôt | I would say that I am someone rather |
| $\mathbf{1 1}$ | ambitieux, travailleur mais un peu impatient. | ambitious, hard-working but a little impatient. |

## Ma famille et mes passe-temps.

Il y a cinq personnes dans ma famille: mes parents, ma grande sœur et mon petit frère.

Mes parents sont divorcés et j'habite avec mon père.
De plus, i'ai un hamster qui s'appelle Marcel
et qui a les yeux noirs et les poils orange et bruns.
Dans le passé, i'avais un poisson mais
à l'avenir, i'aimerais avoir un cheval.
Pendant mon temps libre, je joue au hockey et
je fais de la gymnastique trois fois par semaine.
Ce week-end, ie vais regarder un match de foot à la télé.

There are five people in my family: my parents, my big/older sister and my little/younger brother.

My parents are divorced and I live with my father.
Additionally, I have a hamster which is called Marcel
and which has black eyes and brown and orange fur.
In the past, I had a fish but
in the future, I would like to have a horse.

In my free-time, I play hockey and
I do gymnastics three times a week.
This weekend, I am going to watch a football match on TV.

|  | Les exemples | Examples |
| :---: | :---: | :---: |
| Simple <br> Opinions | J'aime le rugby parce que c'est amusant. Je n'aime pas mon frère car il est énervant. | I like rugby because it is fun. <br> I don't like my brother because he is annoying. |
| Pronouns | Mon petit frère adore le football. <br> Nous parlons anglais avec mes parents. | My younger brother loves football. We speak English with my parents. |
| Adverbs | Je vais rarement au cinéma. <br> Je fais souvent de la natation. | I rarely go to the cinema. I often do swimming. |
| Reasons | J'aime le français parce que c'est intéressant. Je déteste le chinois car ce n'est pas facile. | I like French because it is interesting. I hate Chinese because it isn't easy. |
| Tenses and Time phrases | Je joue au netball tous les jours. <br> Dans le passé, je jouais au football. <br> Demain, je vais jouer à la pétanque. <br> L'année prochaine, ie jouerai au baseball. | I play netball every day. In the past, I used to play football. Tomorrow, I am going to play bowls. Next year, I will play baseball. |
| Adjectives <br> (and comparatives) | Un cheval est plus beau qu'un hamster. <br> Un poisson est moins fidèle qu'un lapin. <br> Les chiens sont aussi affectueux que les chats. | A horse is more beautiful than a hamster. <br> A fish is less loyal than a rabbit. <br> Dogs are as loving as cats. |
| Negatives | Je n'aime pas faire de sport extrême. Je ne joue jamais aux jeux vidéos. | I don't like doing extreme sports. I never play video games. |
| Something wOW! | Je veux que tu sois plus sympa. <br> L'animal que j'aime le plus, c'est la tortue. | I want you to be nicer. <br> The pet/animal that I like the most is the tortoise. |



|  | French | English |
| :---: | :---: | :---: |
| To start off | Sur la photo, il y a Je peux voir La photo montre Au premier plan Au deuxième plan À gauche / À droite Près de <br> Devant | In the photo, there is/are I can see <br> The photo shows In the foreground In the background To the left / To the right Close to In front of |
| People | Un homme/une femme <br> Un garçon/une fille <br> Une famille <br> Des enfants/jeunes <br> Des élèves <br> Beaucoup de personnes <br> II/Elle a les cheveux bruns/blonds/longs/courts <br> II/Elle est grand(e)/petit(e)/ioli(e) <br> II/Elle porte <br> Ils/Elles portent <br> un T-shirt/un jean/un pull/une veste/un uniforme | A man/woman <br> A boy/girl <br> A family <br> Some children/young people <br> Some students <br> A lot of people <br> He/she has brown/blond/long/short hair <br> $\mathrm{He} /$ she is tall/small/pretty <br> $\mathrm{He} /$ she is wearing <br> They are wearing <br> A t-shirt/jeans/a jumper/a jacket/a uniform |
| Action | II/Elle est en train de... +INFINITIVE Ils/Elles sont en train de ...+INFINITIVE parler <br> sourire <br> rire <br> se disputer <br> marcher <br> travailler <br> jover <br> manger | He/She is... <br> They are... <br> talking <br> smiling <br> laughing <br> arguing <br> walking <br> working <br> playing <br> eating |
| Location/ Weather | II/elle est... <br> Ils/elles sont... <br> au collège/au parc/à la maison dans un jardin/un restaurant/un café/un hotel <br> Il fait beau/mauvais <br> Il fait chaud/froid <br> Il pleut/neige | He /she is... <br> They are... <br> at school/at the park/at home in a garden/restaurant/ café/hotel. <br> It's good/bad weather <br> lt's hot/cold <br> It's raining/snowing |
| Mood | II/Elle a l'air ... <br> IIs/Elles ont l'air... <br> content(e)(s) <br> triste(s) <br> fatigué(e)(s) <br> énervé(e)(s) | $\mathrm{He} /$ She seems... They seem.. <br> happy <br> sad <br> tired <br> angry |


| Infinitive | Meaning in English |
| :---: | :---: |
| Ir | To go |
| Tener | To have |
| Ser | To be |
| Vivir | To live |
| Hablar | To speak/To talk |
| Aprender | To learn |
| Hacer | To do |
| Jugar | To play |
| Querer | To want |
| Preferir | To prefer |


|  | Present |  |  |  | Near Future |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Ir | Yo | Tú | El/Ella | Nosotros/as |
| Tener | Voy | Vas | Va | Vamos | Voy a ir |
| Ser | Tengo | Tienes | Tiene | Tenemos | Voy a tener |
| Vivir | Vivo | Eres | Es | Somos | Voy a ser |
| Hablar | Hablo | Hablas | Habla | Hablamos | Voy a hablar |
| Aprender | Aprendo | Aprendes | Aprende | Aprendemos | Voy a aprender |
| Hacer | Hago | Haces | Hace | Hacemos | Voy a hacer |
| Jugar | Juego | Juegas | Juega | Jugamos | Voy a jugar |
| Querer | Quiero | Quieres | Quiere | Queremos | Voy a querer |
| Preferir | Prefiero | Prefieres | Prefiere | Preferimos | Voy a preferir |

# Quest for Knowledge - Assessment Cycle Three - Spanish Key Questions 

| $\mathbf{1}$ | Yo, nací en Londres, Inglaterra | Me, I was born in London, in England |
| :---: | :---: | :---: |
| $\mathbf{2}$ | por lo tanto soy inglés/inglesa. | therefore I am English. |
| $\mathbf{3}$ | Sin embargo, mi madre es polaca | However, my mother is Polish |
| $\mathbf{4}$ | y mi padre es de nacionalidad chino. | and my father is of Chinese nationality. |
| $\mathbf{5}$ | En casa, hablo inglés, polaco | At home, I speak English, Polish |
| $\mathbf{6}$ | también chino y me gustaría | as well as Chinese and I would like |
| $\mathbf{7}$ | aprender el español ya que me encanta Madrid. | to learn Spanish since I love Madrid. |
| $\mathbf{8}$ | Tengo el pelo medio largo, rizado y rubio | I have mid-length, frizzy and blonde hair |
| $\mathbf{9}$ | y tengo los ojos verdes como mi madre. | and I have green eyes like my mother. |
| $\mathbf{1 0}$ | Diría que soy una persona bastante | I would say that I am someone rather |
| $\mathbf{1 1}$ | ambiciosa, trabajadora pero un poco impaciente. | ambitious, hard-working but a little impatient. |

## Mi familia y mis pasatiempos.

| $\mathbf{1}$ | Hay cinco personas en mi familia: mis padres, | There are five people in my family: my parents, |
| :---: | :---: | :---: |
| $\mathbf{2}$ | mi hermana mayor y mi hermano menor. | my big/older sister and my little/younger brother. |
| $\mathbf{3}$ | Mis padres están divorciados y vivo con mi padre. | My parents are divorced and I live with my father. |
| $\mathbf{4}$ | Además, tengo un hámster que se llama Marcel | Additionally, I have a hamster which is called Marcel |
| $\mathbf{5}$ | y que tiene los ojos negros y el pelo castaño y naranja. | and which has black eyes and brown and orange fur. |
| $\mathbf{6}$ | En el pasado, tuve un pez pero | In the past, I had a fish but |
| $\mathbf{7}$ | en el futuro, me gustaría tener un caballo. | in the future, I would like to have a horse. |
| $\mathbf{8}$ | Durante mi tiempo libre, juego al hockey y | During my free-time, I play hockey and |
| 9 | hago gimnasia tres veces a la semana. | I do gymnastics three times a week. |
| 10 | Este fin de semana, voy a ver un partido de fútbol en la <br> televisión. | This weekend, I am going fo watch a football match on <br> TV. |


|  | Ejemplos | Examples |
| :---: | :---: | :---: |
| Simple Opinions | Me gusta mucho el fútbol porque es divertido. <br> Odio a mi hermano menor porque es molesto. | I really like football because it is fun. <br> I hate my younger brother because he is annoying. |
| People's Opinions | A mi hermano menor le encanta el fútbol. Preferimos hablar inglés con mis padres. | My younger brother loves football. <br> We prefer to speak English with my parents. |
| Adverbs | Voy al cine raramente. <br> Hago la natación con frecuencia. | I rarely go to the cinema. I often do swimming. |
| Reasons | Me gusta el español porque es interesante. Odio el chino porque no es fácil. | I like Spanish because it is interesting. I hate Chinese because it isn't easy. |
| Tenses and Time phrases | Juego al baloncesto todos los días. <br> En el pasado, jugué al fútbol. <br> Mañana, voy a jugar al tenis. | I play basketball every day. <br> In the past, I played football. <br> Tomorrow, I am going to play tennis. |
| Adjectives (and comparatives) | Un caballo es más bonito que un hámster. <br> Un pez es menos fiel que un conejo. <br> Los perros son tan cariñosos como gatos. | A horse is more beautiful than a hamster. <br> A fish is less loyal than a rabbit. <br> Dogs are as loving as cats. |
| Negatives | No me gusta hacer los deportes extremos. Nunca juego a los videojuegos. | I don't like doing extreme sports. I never play video games. |
| Something WOW! | Las mascotas, que son fieles, son lindas. <br> No creo que los animales sean parte de la familia. | Pets, which are loyal, are cute. <br> I don't believe that pets are a part of the family. |


|  | Spanish | English |
| :---: | :---: | :---: |
| To start off | En la imagen... <br> En la foto... <br> Hay... <br> Veo... <br> Puedo ver... <br> La foto muestra... <br> En el fondo... <br> En el primer plano... <br> A la derecha/A la izquierda... | In the image <br> In the photo <br> There is/are <br> I see <br> I can see <br> The photo shows... <br> In the background <br> In the foreground <br> To the right / To the left |
| People | un hombre/una mujer. un niño/una niña . una familia. algunos chicos/ióvenes. algunos estudiantes. mucha gente. Él/Ella tiene el pelo marrón/rubio/largo/corto. Él/Ella es alto(a)/pequeño(a)/guapo(a). Él/Ella lleva... <br> Ellos llevan... <br> una camiseta/unos vaqueros/un jersey/una chaqueta/un uniforme. | a man/woman. <br> a boy/girl. <br> a family. <br> some children/young people. <br> some students. <br> a lot of people. <br> $\mathrm{He} /$ she has brown/blond/long/short hair. <br> $\mathrm{He} /$ she is tall/small/pretty. <br> He /she is wearing... <br> They are wearing... <br> a t-shirt/ieans/a jumper/a jacket/a uniform. |
| Action | Él/Ella está... <br> Ellos/Ellas están... <br> hablando. <br> sonriendo riendo <br> discutiendo. <br> caminando. <br> trabajando. jugando. comiendo. | $\mathrm{He} /$ she is... <br> They are... <br> talking. smiling. laughing. arguing. walking. working. playing. eating. |
| Location/Weather | Él/Ella está... <br> Ellos/Ellas están... <br> en el colegio/en el parque/ en la casa. <br> en el jardín/restaurante/ <br> cafetería/hotel. <br> Hace buen/mal tiempo. <br> Hace calor/frío. <br> Está lloviendo/nevando. | He /she is... <br> They are... <br> at school/at the park/at home. <br> in a garden/restaurant/café/hotel. <br> It's bad good/weather. <br> It's hot/cold. <br> It's raining/snowing. |
| 63. Mood | Él/Ella parece... <br> Ellos/Ellas parecen... feliz (felices). triste (s). cansado(a) (os/as). enfadado(a) (os/as). | $\mathrm{He} /$ she seems... They seem.. <br> happy. sad. <br> tired. angry. |



## ACADEMY

The name 'Q3' represents three high ideals: To seek that which is good.

## To seek that which is right.

To seek that which is true.

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[^0]:    Word Bank:

