

Year 7 Work Pack

In addition to the work contained in this pack, complete work on SPARX Reader, SPARX Maths and SPARX Science.



William Shakespeare - Context

William Shakespeare was born in the town of Stratford-upon-Avon in England. His birthdate is traditionally celebrated on April 23, 1564. Shakespeare's father, John Shakespeare, was a successful glove maker and alderman, while his mother, Mary Arden, came from a wealthy family. In 1582, Shakespeare married Anne Hathaway, and they had three children: Susanna, and twins Hamnet and Judith. Often referred to as the Bard of Avon, Shakespeare began his career as an actor and playwright in London. His works are renowned for their rich language and universal themes. Shakespeare passed away on April 23, 1616.

Fill in the blanks with the correct words:

1. William Shakespeare was born in the town of _____ in England.
2. His birthdate is traditionally celebrated on _____ 23, 1564.
3. Shakespeare's father, John Shakespeare, was a successful _____ and alderman.
4. His mother, Mary Arden, came from a _____ family.
5. Shakespeare married Anne Hathaway in _____.
6. They had three children: Susanna, and twins Hamnet and _____.
7. Shakespeare is often referred to as the _____ of Avon.
8. He began his career as an actor and playwright in _____.
9. Shakespeare's works are known for their rich language and _____ themes.
10. He passed away on April 23, _____.



English

Task: Create Your Own Character

Scenario: Imagine you are writing a story, and you need to create an interesting character. Write a detailed description of your character, including their appearance, personality, background, and any special abilities or traits they might have.

Guidelines:

- 1. Appearance:** Describe what your character looks like. Think about their hair color, eye color, height, clothing style, and any unique features.
- 2. Personality:** Describe your character's personality. Are they brave, kind, funny, or maybe a bit mischievous? What are their likes and dislikes?
- 3. Background:** Write about your character's background. Where do they come from? What is their family like? Do they have any important experiences that shaped who they are?
- 4. Special Abilities or Traits:** If your character has any special abilities or traits, describe them. Maybe they can fly, have super strength, or are really good at solving mysteries.
- 5. Story Role:** Explain what role your character will play in your story. Are they the hero, the villain, or a helpful friend?

Example Prompt: "Meet Luna, a young girl with bright blue hair and sparkling green eyes. She loves exploring the forest near her home and has a special ability to talk to animals. Luna is brave and always ready to help her friends. She comes from a small village where everyone knows each other, and her parents are famous adventurers. In her story, Luna will discover a hidden world and embark on a quest to save it from danger..."
Would you like any more details or examples for this task?



Maths

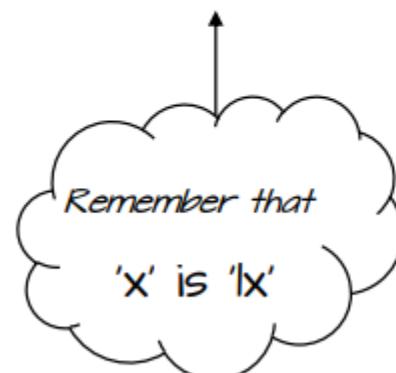
TASK 1

Examples

$$1) 3a + 2a = 5a$$

$$2) 3e + 5e = 8e$$

$$3) 4x + x = 5x$$



TASK 2

Examples

$$1) 2x + 4x + x = 7x$$

$$2) b + 2b + b = 4b$$

TASK 3

Examples

$$1) 6e - 4e + 3e = 5e$$

$$2) 8x - 2x + x = 7x$$

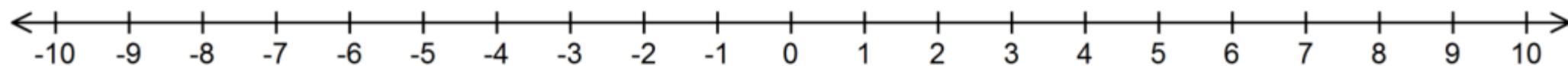
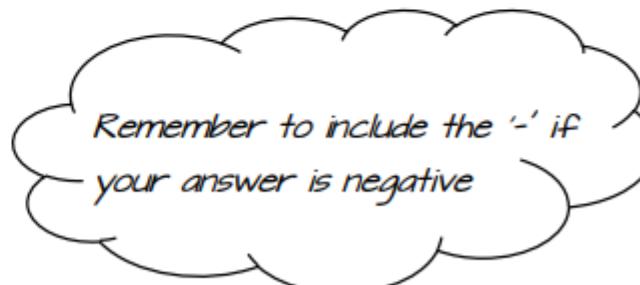
TASK 4

Examples

$$1) 6e - 4e - e = e$$

$$2) 4x - 3x - 2x = -x$$

$$3) 5y - 4y - 4y = -3y$$



Maths

TASK 1	TASK 2	TASK 3	TASK 4
1. $5x + 9x$	1. $7x + 2x + 2x$	1. $8e - 5e + 5e$	1. $8f + 3f - 5f$
2. $a + 3a$	2. $5x + 7x + 6x$	2. $6f - 4f + 3f$	2. $6b + b - 3b$
3. $4e + 4e$	3. $3f + 7f + 7f$	3. $9d - 2d + 4d$	3. $7e - 5e - 4e$
4. $3x + 7x$	4. $y + 7y + 8y$	4. $6a - 5a + 3a$	4. $7c - 6c + c$
5. $4x + 9x$	5. $8f + f + 5f$	5. $9y - 3y + y$	5. $8a - a - 3a$
6. $z + 6z$	6. $8e + 6e + 3e$	6. $7z - 6z + 9z$	6. $7c - 6c + c$
7. $4b + 6b$	7. $7x + 4x + 3x$	7. $7b - 3b + 5b$	7. $9c - 4c - 2c$
8. $2b + 2b$	8. $2f + 6f + 8f$	8. $6z - 3z + z$	8. $6z - 4z - 2z$
9. $7d + 5d$	9. $6c + 7c + c$	9. $9x - 4x + 9x$	9. $7d - d + d$
10. $5f + 2f$	10. $8e + 9e + e$	10. $8c - 2c + 9c$	10. $7b - 5b - 5b$
11. $5d + 6d$	11. $2b + 6b + b$	11. $5b - 3b + 4b$	11. $7z - z - z$
12. $2y + 8y$	12. $7a + a + 8a$	12. $7e - 4e + 2e$	12. $8e - 6e - 4e$
13. $8y + 4y$	13. $2y + 8y + 4y$	13. $8b - 4b + 5b$	13. $6c - 3c - 4c$
14. $3a + 6a$	14. $5z + 2z + z$	14. $7y - 3y + 7y$	14. $6z + 3z - 2z$
15. $7z + 3z$	15. $8a + a + 4a$	15. $5f - 2f + 9f$	15. $8d - 5d - 4d$



Science

Reading Comprehension Task 1: The Structure of an Animal Cell

Read the passage below and then answer the questions that follow.

An animal cell is a type of cell that makes up the tissues and organs of animals. It is a complex structure with several important parts, each with a specific function.

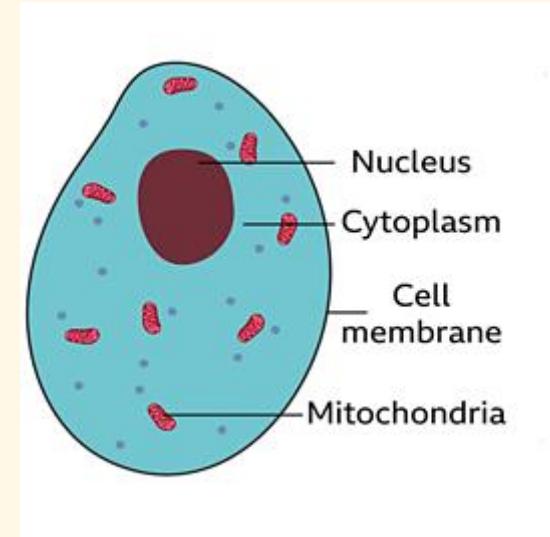
The nucleus is often considered the control center of the cell. It contains the cell's genetic material (DNA) and regulates all the activities of the cell, including growth, metabolism, and reproduction.

Surrounding the nucleus is the cytoplasm, a jelly-like substance that fills the cell. The cytoplasm is where many of the cell's chemical reactions occur. It contains various organelles, each with a unique role.

The cell membrane is a thin, flexible barrier that surrounds the cell. It controls what enters and leaves the cell, ensuring that essential nutrients get in and waste products are removed.

One of the key organelles in the cytoplasm is the mitochondrion (plural: mitochondria). Mitochondria are known as the powerhouses of the cell because they produce energy through a process called cellular respiration. This energy is used by the cell to perform various functions.

Each part of the animal cell works together to ensure the cell operates efficiently and effectively. Understanding the structure and function of these parts helps us appreciate the complexity and beauty of life at the cellular level.



Questions:

1. What is the main function of the nucleus in an animal cell?
2. Describe the role of the cytoplasm.
3. What does the cell membrane do?
4. Why are mitochondria referred to as the powerhouses of the cell?
5. What is the function of ribosomes in the cell?
6. How do the different parts of the cell work together to ensure its proper functioning?

Task 2: Draw and label an animal cell. Write a short description of the function of each part.

- **Parts to label:** Nucleus, cytoplasm, cell membrane, mitochondria.
- **Description:** Explain the role of each part in the cell.



Geography

The Rock Cycle

Rocks are all around us. They make up mountains, cliffs, and even the ground beneath our feet. But did you know that rocks are always changing? This process is called the rock cycle.

There are three main types of rock: **igneous, sedimentary, and metamorphic**. Each type forms in a different way.

Igneous Rocks

Igneous rocks are formed when hot, melted rock called magma cools and hardens. Magma comes from deep inside the Earth. If the magma cools quickly above ground, it forms rocks like basalt. If it cools slowly underground, it makes rocks like granite.

Sedimentary Rocks

Sedimentary rocks are made from tiny pieces of other rocks, sand, and even plants or animals. These pieces are called sediments. Over time, sediments are pressed together under layers of soil and rock. This pressure turns them into solid rock, like sandstone or limestone.

Metamorphic Rocks

Metamorphic rocks are rocks that have been changed by heat and pressure. For example, limestone can turn into marble when it is heated deep inside the Earth.

The rock cycle **never stops**. Rocks can change from one type to another. For example, an igneous rock might be broken into tiny pieces to form sedimentary rock. Later, that rock might sink deep into the Earth and become metamorphic rock. This cycle takes **millions of years**, but it keeps our planet's surface changing all the time!

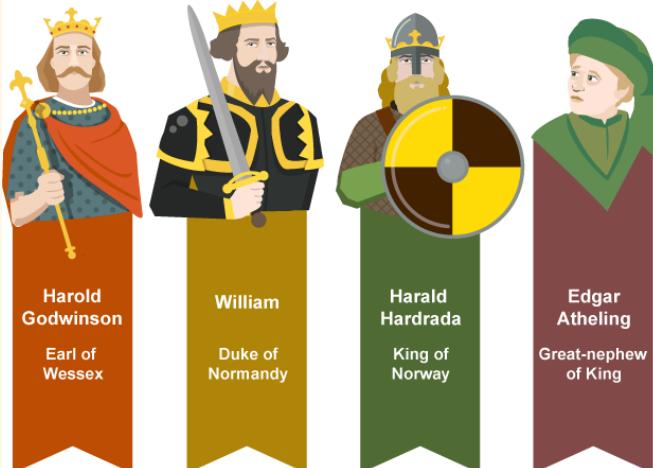
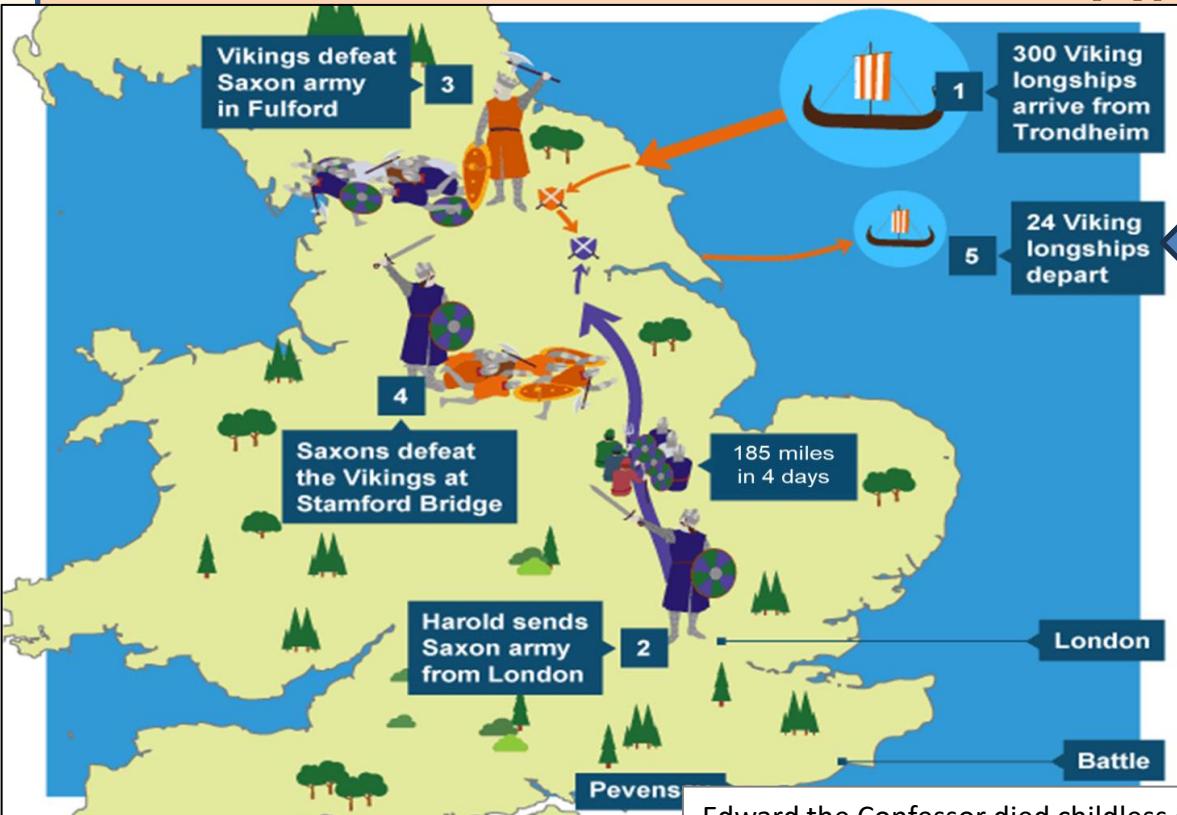
Questions

1. What is magma?
 - a) Tiny pieces of rock and sand
 - b) Hot, melted rock from inside the Earth
 - c) A type of sedimentary rock
2. **Fill in the Blank**
Sedimentary rocks form when _____ are pressed together over time.
3. **True or False:** Limestone can turn into marble through heat and pressure.
4. Name one rock that cools quickly above ground and one rock that cools slowly underground.
5. Explain how an igneous rock could become a sedimentary rock in the rock cycle.

CHALLENGE: Create a poster to inform people about the different types of rock.



History

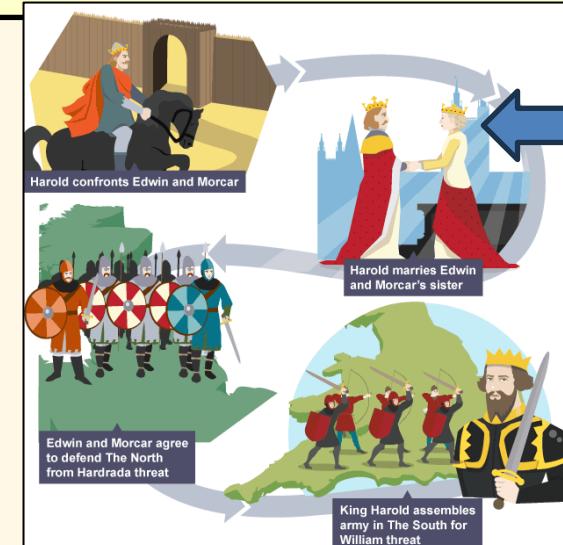


Edward the Confessor died childless on 5th January 1066, leaving no direct heir to the throne. Four people all thought they had a legitimate right to be king.

- Harold Godwinson - Harold was Edward's brother-in-law, but there was no blood connection.
- William - William was a cousin of Edward the Confessor, through Edward's mother Emma, who was William's great-aunt.
- Harald Hardrada - Harald had no direct blood ties to the English royal families.
- Edgar Atheling - Edgar was the great-nephew of Edward the Confessor and was the last Anglo-Saxon prince alive after his father was killed in 1057.

We are currently doing revision for your PPE. Complete these tasks to recap on what you've learnt about the Saxons.

TASK: Explain the events of Stamford Bridge using this map to support you.



Task – How responsible is Tostig for the Battle of Fulford? Explain your opinion.

1. Who was King of England until 1065?
2. When did Edward the Confessor die?
3. Why was Edward the Confessor's death a problem?
4. After Edward the Confessor's death, who were the three **main contenders** to the throne and what were their reasons for believing they were entitled to the throne?
5. What was the Witan?
6. Who did the Witan choose to succeed Edward the Confessor?

Spanish

Complete the tasks shown in the boxes.

<p>List 6 animals in Spanish.</p>	<p>Write the numbers 1-12 in Spanish.</p>	<p>Order the days of the week: domingo, miércoles, lunes, sábado, viernes, martes, jueves</p>						
<p>List 6 colours in Spanish.</p>	<p>Translate these activities: leer, mandar SMS, salir con mis amigos, escribir correos electrónicos, escuchar música</p>	<p>Give an opinion for each smiley:</p> <table><tbody><tr><td>😊</td><td>😊</td><td>😊</td></tr><tr><td>🙁</td><td>🙁</td><td>🙁</td></tr></tbody></table>	😊	😊	😊	🙁	🙁	🙁
😊	😊	😊						
🙁	🙁	🙁						
<p>List 6 personalities in Spanish.</p>	<p>List 4 frequencies in Spanish.</p>	<p>List 6 weathers in Spanish.</p>						
<p>List 6 activities that 'I do' in Spanish.</p>								

