

# MATHEMATICS

## FIRST TERM JSS 3

WEEK	TOPIC / CONTENT	ACTIVITIES
1	<b>BINARY NUMBERS</b> i. Addition and subtraction of binary numbers ii. Multiplication and division of binary numbers iii. Solving Quantitative Reasoning problems on binary numbers.	<b>Students:</b> i. Add binary numbers ii. Subtract binary numbers iii. Multiply binary numbers iv. Divide given binary numbers v. solve Quantitative Reasoning problems  <b>Instructional Resources:</b> Flash cards
2	<b>BINARY NUMBERS CONT.</b> i. Conversion from base ten to binary ii. Conversion from binary to other bases. iii. Applying binary numbers as two way classification system using punch card. iv. Using computer to do simple mathematical calculations.	<b>Students</b> a. change numbers from base 10 to base 2. b. change base 2 numbers to base 10 or any required base.  <b>Instructional Resources:</b> a. Flash cards showing a typical conversion from base 10 to base 2. b. Punch cards.
3	<b>DIRECT AND INVERSE PROPORTION</b> i. Direct proportion ii. Indirect proportion iii. Apply direct and inverse proportions to practical problems.	<b>STUDENTS:</b> i. Solve problems on direct and inverse proportion including practical problems.  <b>Instructional Resources:</b> Direct and inverse proportions chart
4	<b>RATIONAL AND NON-RATIONAL NUMBERS</b> i. Identifying rational and non-rational numbers. ii. Determining the approximate value of some non-rational numbers. iii. Determining the approximate value of $\pi$ . iv. Finding reciprocals.	<b>Students:</b> a. Identify rational numbers amongst a set of given numbers. b. Determine practically the approximate value of some non-rational numbers.  <b>Instructional Resources:</b> Chart showing some non-rational numbers.
5	<b>PLANE FIGURES</b> Problems in measurement involving: i. Area of triangles ii. Area of parallelograms iii. Area of trapezium iv. Area of circles and sectors v. Word problems involving area.	<b>Students:</b> a. Derive formula for area of triangles. b. Use formula to find the area of parallelograms, trapezia and circles. c. Solve Quantitative problems on areas.  <b>Instructional Resources:</b> Models of indicated shapes (Triangles, Circles etc.)
6	<b>FACTORIZATION OR ALGEBRAIC EXPRESSION</b> Factorization of expressions of the form: i. $ax+ay$ ii. $3m+pq+3p+mq$ iii. $a^2 - b^2$ iv. $a^2 - 2ab + b^2$ v. Word problems involving factorization.	<b>Students:</b> a. Factorize simple algebraic expressions b. Use the quadratic equation box to factorize quadratic expression.  <b>Instructional Resources:</b> a. Quadratic equation box b. Flash cards of problems
7	<b>EQUATIONS INVOLVING FRACTIONS</b>	<b>Students:</b>

# Jss Mathematics Scheme Of Work

**SJ Ball**



## **Jss Mathematics Scheme Of Work:**

Jss Mathematics Scheme Of Work: Bestsellers in 2023 The year 2023 has witnessed a noteworthy surge in literary brilliance, with numerous engrossing novels captivating the hearts of readers worldwide. Lets delve into the realm of bestselling books, exploring the fascinating narratives that have captivated audiences this year. The Must-Read : Colleen Hoovers "It Ends with Us" This poignant tale of love, loss, and resilience has captivated readers with its raw and emotional exploration of domestic abuse. Hoover masterfully weaves a story of hope and healing, reminding us that even in the darkest of times, the human spirit can succeed. Uncover the Best : Taylor Jenkins Reids "The Seven Husbands of Evelyn Hugo" This captivating historical fiction novel unravels the life of Evelyn Hugo, a Hollywood icon who defies expectations and societal norms to pursue her dreams. Reids absorbing storytelling and compelling characters transport readers to a bygone era, immersing them in a world of glamour, ambition, and self-discovery. Discover the Magic : Delia Owens "Where the Crawdads Sing" This captivating coming-of-age story follows Kya Clark, a young woman who grows up alone in the marshes of North Carolina. Owens spins a tale of resilience, survival, and the transformative power of nature, entrancing readers with its evocative prose and mesmerizing setting. These popular novels represent just a fraction of the literary treasures that have emerged in 2023. Whether you seek tales of romance, adventure, or personal growth, the world of literature offers an abundance of engaging stories waiting to be discovered. The novel begins with Richard Papen, a bright but troubled young man, arriving at Hampden College. Richard is immediately drawn to the group of students who call themselves the Classics Club. The club is led by Henry Winter, a brilliant and charismatic young man. Henry is obsessed with Greek mythology and philosophy, and he quickly draws Richard into his world. The other members of the Classics Club are equally as fascinating. Bunny Corcoran is a wealthy and spoiled young man who is always looking for a good time. Charles Tavis is a quiet and reserved young man who is deeply in love with Henry. Camilla Macaulay is a beautiful and intelligent young woman who is drawn to the power and danger of the Classics Club. The students are all deeply in love with Morrow, and they are willing to do anything to please him. Morrow is a complex and mysterious figure, and he seems to be manipulating the students for his own purposes. As the students become more involved with Morrow, they begin to commit increasingly dangerous acts. The Secret History is a masterful and gripping novel that will keep you wondering until the very end. The novel is a cautionary tale about the dangers of obsession and the power of evil.

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