

Grade 11 November Exam Scope

Mathematics:

Paper 1 – 2,5 hours

1. Exponents
2. Surds
3. Equations and inequalities, completing the square
4. Nature of roots
5. Number Patterns
6. Functions – straight line, parabola, hyperbola, exponential graphs
7. Finance
8. Probability – 3 circle Venn diagrams, tree diagrams, contingency tables, independent events

Paper 2 – 2,5 hours

1. Analytical geometry
2. Trigonometry – reduction formulae, equations, identities, trig on the Cartesian plane
3. Trig graphs
4. Circle Euclidean geometry
5. Statistics
6. Trigonometry – solving triangles using SOH CAH TOA, sin rule, cos rule and area rule
7. Measurement

Life Sciences

Paper 1 – 2,5 hours

1. Supporting systems and movement in animals – human skeleton, joints, and muscles.
2. Transport in animals – the human circulatory system, heart structure, blood vessels, blood, and lymph as a tissue.
3. Excretion in humans and the urinary system.
4. The Human nervous system
 - The nervous systems
 - The brain, spinal cord, and reflex arc
 - Nerve tissue and transmission of nerve impulses
 - Receptors

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JS Bruner



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Table of Contents Grade 11 Life Sciences Scope December 2014

1. Understanding the eBook Grade 11 Life Sciences Scope December 2014
 - The Rise of Digital Reading Grade 11 Life Sciences Scope December 2014
 - Advantages of eBooks Over Traditional Books
2. Identifying Grade 11 Life Sciences Scope December 2014
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Grade 11 Life Sciences Scope December 2014
 - User-Friendly Interface
4. Exploring eBook Recommendations from Grade 11 Life Sciences Scope December 2014
 - Personalized Recommendations
 - Grade 11 Life Sciences Scope December 2014 User Reviews and Ratings

- Grade 11 Life Sciences Scope December 2014 and Bestseller Lists
- 5. Accessing Grade 11 Life Sciences Scope December 2014 Free and Paid eBooks
 - Grade 11 Life Sciences Scope December 2014 Public Domain eBooks
 - Grade 11 Life Sciences Scope December 2014 eBook Subscription Services
 - Grade 11 Life Sciences Scope December 2014 Budget-Friendly Options
- 6. Navigating Grade 11 Life Sciences Scope December 2014 eBook Formats
 - ePub, PDF, MOBI, and More
 - Grade 11 Life Sciences Scope December 2014 Compatibility with Devices
 - Grade 11 Life Sciences Scope December 2014 Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Grade 11 Life Sciences Scope December 2014
 - Highlighting and Note-Taking Grade 11 Life Sciences Scope December 2014
 - Interactive Elements Grade 11 Life Sciences Scope December 2014
- 8. Staying Engaged with Grade 11 Life Sciences Scope December 2014
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Grade 11 Life Sciences Scope December 2014
- 9. Balancing eBooks and Physical Books Grade 11 Life Sciences Scope December 2014
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Grade 11 Life Sciences Scope December 2014
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Grade 11 Life Sciences Scope December 2014
 - Setting Reading Goals Grade 11 Life Sciences Scope December 2014
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Grade 11 Life Sciences Scope December 2014
 - Fact-Checking eBook Content of Grade 11 Life Sciences Scope December 2014
 - Distinguishing Credible Sources

13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
14. Embracing eBook Trends
 - Integration of Multimedia Elements
 - Interactive and Gamified eBooks

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