



Woodlands Ring Secondary School

SECONDARY 2 INFO BOOKLET 2026



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Humanities (SS, History)

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Elements of Business Skills

Chemistry

Biology

Physics

Science (Chemistry/Biology)

Science (Physics/Chemistry)



SUBJECT COMBINATION 2027

G3

S/N	Option A (7 Subjects)	Option B (6 Subjects)
1	English Language	
2	Mother Tongue Language	
3	Mathematics	
4	Combined Humanities (Social Studies, Geography) or (Social Studies, History) or (Social Studies, Literature)	
5	Additional Mathematics	Science (Chemistry, Biology) or Science (Chemistry, Physics)
6	Chemistry	A Math or D&T or NFS or Art
7	Physics or Biology	
Criteria: Pure Sciences: At least 65% or higher (overall) in Sec 2 G3 Science and Sec 2 G3 Mathematics Additional Mathematics: At least 65% or higher (overall) in Sec 2 G3 Mathematics		

Information is accurate at the time of printing.

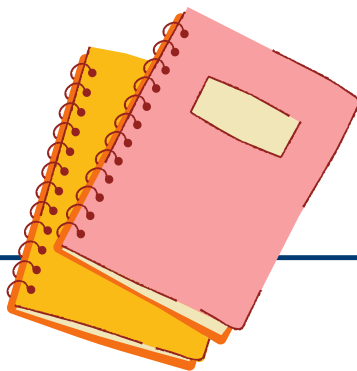


SUBJECT COMBINATION 2027

G2

S/N	Subject Combination
1	English Language
2	Mother Tongue Language
3	Mathematics
4	Combined Humanities (Social Studies, Geography) or (Social Studies, History)
5	Science (Chemistry, Biology) or Science (Chemistry, Physics)
6	A Math or D&T or NFS or Art
Criteria: N-Level Additional Mathematics: At least 70% or higher (overall) in Sec 2 G2 Mathematics	

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SUBJECT COMBINATION 2027

G1

S/N	Subject Combination
1	English Language
2	Mother Tongue Language
3	Mathematics
4	Science
5	Computing
6	Design & Technology (D&T) or Element of Business Skills (EBS)
7	*G1 Humanities (SS, Geo HEM) or (SS, Lit HEM)

*Humanities Exposure Module - Non-examinable

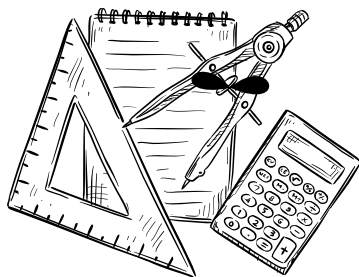
Information is accurate at the time of printing.

ADDITIONAL MATHEMATICS

Curriculum and Assessment

Paper 1: 50%

Paper 2: 50%



WHAT?

Additional Mathematics is intended for students with a strong interest in mathematics, particularly those pursuing higher studies in mathematics, science, or engineering. It aims to develop problem-solving, logical reasoning, and metacognitive skills, while exploring the abstract nature and real-world applications of mathematics. Prerequisite skills include a good foundation in algebra, geometry, and arithmetic.

WHO?

For students who aspire to pursue a course in JC/MI

The computation of the LIR4 requires three subjects from both the Mathematics/Science and Humanities subject groups. For A Level H2 Mathematics, the knowledge of the content of the O Level Additional Mathematics is assumed.

For students who aspire to pursue a course in Poly

Most polytechnic courses require the applicant to include at least one Mathematics subject (i.e Elementary Mathematics or Additional Mathematics).

WHERE?

Additional Mathematics hones analytical and problem-solving skills, opening doors to careers in actuarial science, data science and analytics, engineering, finance and economics, and architecture.

ART

Curriculum and Assessment

Paper 1 Visual Response: 50%

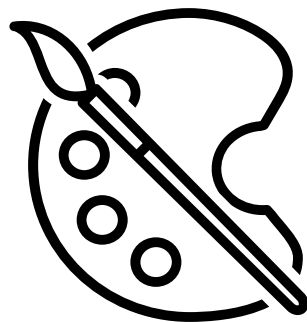
Section A: Visual Analysis

Section B: Exploratory Sketching

Paper 2 Portfolio: 50%

Part A: Selection of Visual Materials

Part B: Commentary



WHAT ?

Art involves creative problem-solving, working independently and collaborating with others.

WHO ?

For students considering Art, being curious, observant and open to new ideas is important.

Students should enjoy exploring, experimenting and expressing themselves through visuals.

Students should be willing to reflect, give and receive feedback and appreciate art's connection to culture and society while developing their own artistic style.

WHERE ?

Students can explore a range of options in:

- a) Advertising and Marketing
- b) Animation, Game Design and Entertainment
- c) Architecture and Interior Design
- d) Fine Arts and Visual Arts
- e) Graphic, Fashion, Digital and Textile Design
- f) Photography and Videography

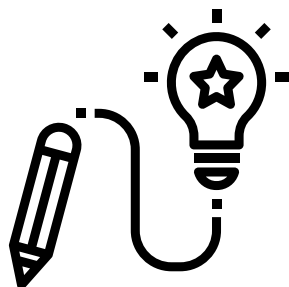
DESIGN AND TECHNOLOGY

Curriculum and Assessment

Paper 1 Written Examination: 40%

Topics in design communication and technology (structures, mechanisms and electronics)

Paper 2 Design Project: 60%



WHAT?

This subject focuses on developing creative problem-solving through design thinking and hands-on prototyping. Students will learn to identify real-world needs, generate ideas, and build functional solutions using appropriate technologies.

WHO?

For students who enjoy hands-on design and problem-solving. The programme develops design thinking by guiding students to identify needs, generate ideas, and make informed decisions, while also building practical design skills through the creation of mock-ups and prototypes.

WHERE?

Students can explore a range of options in:

- a) Architecture and Interior Design
- b) Digital and Interactive Media
- c) Fashion and Textile Design
- d) Film, TV and Animation
- e) Graphic, Product, Industrial and UI/UX Design
- f) Robotics and AI
- g) Software and Technology

NUTRITION AND FOOD SCIENCE

Curriculum and Assessment

Paper 1 Written Examination: 40%
comprising of multiple choice, short answer, data-response and open-ended questions

Paper 2 Coursework: 60%
Research, decision making, exploratory study/investigation, planning, execution, evaluation



WHAT?

Nutrition & Food Science, explores the principles of food preparation, nutrition, and health to promote well-being. Students will learn about food sustainability, safety, and how to make informed choices for themselves and their communities.

WHO?

For students who are keen on applying food science principles to create healthier meals, understanding food security issues such as food safety and sustainability, and advocating for nutrition and health within their families and communities.

WHERE?

Students can explore a range of options in:

- a) Clinical and Health Careers
- b) Dietician, Nutritionist, Sports/Public Health Nutritionist
- c) Sustainability and Food Security
- d) Regulatory Affairs Specialist, Policy Advisor (Food & Nutrition)

HUMANITIES (SOCIAL STUDIES)

Curriculum and Assessment

Not applicable for G1 HEM

Section A: Source-based Case Study (70%)

Section B: Structured Response Questions (30%)



WHAT?

Social Studies seeks to inculcate in students a deeper understanding of the values that define the Singapore society, nurture dispositions that will inspire them to show concern for the society and the world in which they live and demonstrate empathy in their relationships with others.

WHO?

Social Studies helps students to understand Singapore's values, develop social awareness, and cultivate empathy in their interactions with others, preparing them to be responsible and engaged citizens in a diverse society.

WHERE?

Studying Social Studies helps students develop critical thinking and communication skills for careers in public service, healthcare, law, education, journalism, and social work. They can work in government agencies, media, research, or community organizations to make a positive impact on society.

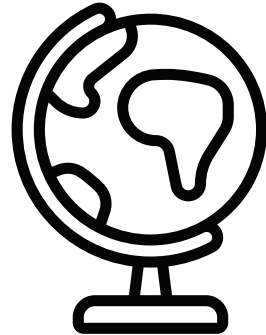
HUMANITIES (GEOGRAPHY)

Curriculum and Assessment

Not applicable for G1 HEM

Section A: Geography in Everyday Life (28%), Tourism (36%)

Section B: Climate (36%)



WHAT?

Geography explores the relationships between people, places, and the environment. It examines physical and human landscapes, addressing global and local challenges like climate change, urbanization, and resource management.

WHO?

For students who enjoy analysing complex spatial phenomenon using concepts of scale, place, time & inter-relationship through various geographical sources such as graphs, maps, figures and text.

WHERE?

Students can explore options in education, urban planning, environmental consultancy, environmental science, hospitality & tourism, hotel & leisure management, finance & banking sectors, research work in environmental management and data analytics.

HUMANITIES (HISTORY)

Curriculum and Assessment

Section A: Source-Based Questions (60%)

Section B: Structured Essay Questions (40%)



WHAT?

History explores past events, people, and societies to understand how they shape the present and future. It develops critical thinking by analyzing sources, perspectives, and cause-and-effect relationships.

WHO?

For students who enjoy interpreting & analyzing textual, statistical & illustrative sources; seeing connections & causal relationships between varying factors; checking assumptions; and justifying different perspectives.

WHERE?

Students can explore options in education, diplomacy & foreign relations, public policy, legal services, journalism, community & social services, entertainment, media & technology, business & management, and human resource management

HUMANITIES (LITERATURE)

Curriculum and Assessment

Not applicable for G1 HEM

Section A: Set Text (50%)

Section B: Unseen Poetry (50%)



WHAT ?

Literature involves the study of written works, from novels to poetry, to explore human experiences, culture, and emotions. It enhances critical thinking and creativity by analyzing themes, characters, and language.

WHO ?

For students who enjoy analysing, interpreting, and evaluating written texts; thinking critically about complex issues and narratives; developing empathy and cultural and global awareness; have strong communication skills.

WHERE ?

Students can explore options in Content Creation and Digital Marketing; Publishing; Public Relations and Communications; Teaching and Academia; Film and Television Production; Humanitarian & Social Work.

ELEMENTS OF BUSINESS SKILLS

Curriculum and Assessment

Paper 1: Written Paper (60%)

Paper 2: 20-hour Coursework
(40%)



WHAT?

Elements of Business Skills, offered at G1 level, involve understanding core concepts like marketing, finance, and operations to effectively manage and grow a business. It emphasizes practical skills such as communication, problem-solving, and decision-making for success in the business world.

WHO?

For students who have an interest in understanding the strategies used by businesses in the service industries to help them succeed.

WHERE?

EBS equips students with foundational business knowledge and customer service skills that are transferable across different career clusters in the service industries such as Travel and Tourism, Retail and Hospitality.

BIOLOGY

Curriculum and Assessment

Paper 1: Multiple Choice (30%)

Paper 2: Structured and Free Response (50%)

Paper 3: Practical (20%)



WHAT?

Biology, explores the processes that sustain life, from cells to ecosystems, and the interactions between organisms and their environment. It provides a foundation for understanding human health, biodiversity, and the impact of science on society.

WHO?

This subject is for students with a strong interest in the interrelationships between life-sustaining processes and the interactions between humans, communities, and the global environment. It is ideal for those looking to pursue Biology in Junior College or biology-related diploma courses.

WHERE?

Students with a background in Biology can pursue careers in healthcare, research, biotechnology, and environmental science. Opportunities include roles in medicine, pharmaceuticals, genetics, forensic science, conservation, and food science. They can also contribute to advancements in sustainability, public health, and scientific innovation.

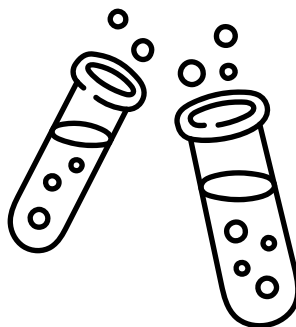
CHEMISTRY

Curriculum and Assessment

Paper 1: Multiple Choice (30%)

Paper 2: Structured and Free Response (50%)

Paper 3: Practical (20%)



WHAT?

Chemistry is the study of matter, its properties, and how substances interact and change. It helps us understand the world around us and plays a key role in fields like medicine, engineering, and environmental science.

WHO?

This subject is for students with a strong interest in understanding the composition, properties, and reactions of substances that make up the world around them. It is ideal for those looking to pursue the Chemistry curriculum in Junior College or science-related diploma courses.

WHERE?

Studying Chemistry opens doors to careers in Applied Sciences, Biomedical Sciences, Environmental Sciences, and Health Sciences, contributing to medical advancements, sustainability, and public health. Students can also pursue Chemical Engineering, Research, or Education, developing new technologies and inspiring future generations in science.

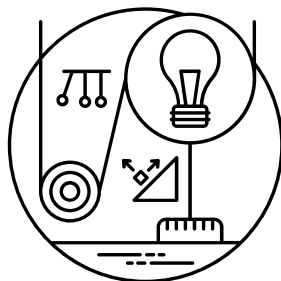
PHYSICS

Curriculum and Assessment

Paper 1: Multiple Choice (30%)

Paper 2: Structured and Free Response (50%)

Paper 3: Practical (20%)



WHAT?

Physics is the study of energy, matter, and their interactions, helping us understand how the world and universe work. It explores concepts like motion, forces, electricity, and waves to explain natural phenomena.

WHO?

This subject is for students who are curious about energy, matter, and how they interact. It helps them explore natural phenomena and understand the world using scientific principles. It is a good foundation for those who want to study Physics in Junior College or take STEM-related diploma courses.

WHERE?

Students can explore STEM-related careers such as engineering, data science, applied sciences, information and digital technologies, and other science-related fields. Possible career paths include aerospace engineering, artificial intelligence, environmental science, and robotics development.

SCIENCE (CHEMISTRY/BIOLOGY)

Curriculum and Assessment

	G3	G2
Paper 1	Multiple Choice (20%)	-
Paper 3	Structured and Free Response (Chem) (32.5%)	Multiple Choice (Chem) (20%)
Paper 4	Structured and Free Response (Bio) (32.5%)	Structured (Chem) (30%)
Paper 5	Practical (15%)	Multiple Choice (Bio) (20%)
Paper 6	-	Structured (Bio) (30%)

WHAT?

The subject, explores the interconnections between chemical processes and biological systems. It helps students understand how matter and living organisms interact, shaping the world around us.

WHO?

This subject is for students with a broad interest in science, particularly those who want to understand the connections between life-sustaining processes, human interactions with the community, and the global environment. It is ideal for those keen on exploring chemistry or biology-related diploma courses and careers in scientific research, healthcare, or environmental science.

WHERE?

Students can explore careers in healthcare, research, biotechnology, environmental science, pharmaceuticals, forensics, agriculture, and other science-related fields.

SCIENCE (PHYSICS/CHEMISTRY)

Curriculum and Assessment

	G3	G2
Paper 1	Multiple Choice (20%)	Multiple Choice (Phy) (20%)
Paper 2	Structured and Free Response (Phy) (32.5%)	Structured (Phy) (30%)
Paper 3	Structured and Free Response (Chem) (32.5%)	Multiple Choice (Chem) (20%)
Paper 4	-	Structured (Chem) (30%)
Paper 5	Practical (15%)	-

WHAT?

The subject explores the fundamental principles of both physics and chemistry, focusing on energy, matter, and the interactions that govern the physical world. Students develop an understanding of natural phenomena, scientific laws, and how these fields apply to real-world problems.

WHO?

For students with a broad interest in science and a strong focus on understanding energy, matter, and their interrelationships, physics and chemistry offer the chance to explore natural phenomena, applying patterns, models, and scientific principles to explain the physical world.

WHERE?

Students can explore STEM-related careers, including engineering, data science, materials science, information and digital technologies, and other science-related fields.