NEWTON MOORE SENIOR HIGH SCHOOL

Achieving Today for Tomorrow

Year 8 Course Selection Handbook
2025

YEAR 8 COURSE INFORMATION

Students complete subjects from learning areas outlined in the Western Australian Curriculum.

LEARNING AREA	HOURS PER WEEK
English	4 hours
Health and Physical Education	3 hours
Humanities and Social Sciences	4 hours
Languages (Japanese)	2 hours
Mathematics	4 hours
Science	4 hours
Technologies One Semester – Design and Technologies One Semester – Digital Technologies	2 hours
The Arts One Semester – Visual Arts One Semester – Performing Arts	2 hours
TOTAL	**25 hours**

Students are able to select a combination of courses that meet the maximum contribution value of $235. Some courses attract a compulsory charge taking their total school fees above $235. Following School Board approval, the Contributions and Charges information booklet will be emailed to parents in Term 4, 2024. This will

All parents who hold a current Health Care Card or are eligible for ABSTUDY can apply for **$235 towards their school fees and up to $115 towards uniform costs.** Applications must be completed through the school before the end of Term 1, 2025. Late applications are not accepted.

Year 8 course fee structure:

Subject	Hours/week	Contribution	
English	4 hours	$28	
Health and Physical Education	3 hours	$26	
Humanities and Social Sciences	4 hours	$28	
Languages	2 hours	$20	
Mathematics	4 hours	$28	
Science	4 hours	$35	
Technologies / The Arts	2 x 2 hours	$70	
TOTAL	**25 hours**	**$235**	**+ compulsory charges**

Specialist Programs

We also offer specialist programs that are studied in place of one or more of the courses listed above. There is a selection process for these courses.

Department of Education Approved Specialist programs

- Science Horizons
- Engineering Specialist

Moore Academy of Sport and Health (MASH)

Living and Leading (run in conjunction with the Girls' Academy and Clontarf Academy)

On the following pages you will find more detailed information about each course on offer.

ENGLISH

Students will focus on consolidating their skills in their written and spoken communication, as well as enhancing their understanding of text construction. They listen to, read, view, interpret, evaluate and create a range of spoken, written and multimodal texts in which the primary purpose is aesthetic, as well as texts designed to inform and persuade. They strengthen their knowledge about the construction of texts through analysis of conventions, structure, language and style, and by recognising the role of context, purpose and audience in their selection. Students identified as likely to benefit from extension or remediation are placed into the English Enrichment or Targeted Literacy programs.

The English curriculum is built around the three interrelated strands of language, literature and literacy. Together, the strands focus on developing students' knowledge, understanding and skills in listening, speaking, reading, viewing, writing and creating.

HEALTH AND PHYSICAL EDUCATION

Courses in Health and Physical Education contribute to the development of healthy, active lifestyles. Learning programs allow students to develop essential knowledge, attitudes, values, and skills required for life. Students are engaged in both physical and classroom activities that allow them to enhance their well-being, now, and in the future. Ability to communicate and cooperate with other students in practical situations and health classes will also be monitored and improved.

Physical Education
This course gives students the opportunity to experience a range of different sports: Aquatics, Touch, Football, Softball, Cricket and Basketball, while developing core skills such as throwing, catching, kicking, hitting and dribbling. Students are also introduced to sporting offensive and defensive strategies and will set fitness goals to maximise their participation levels.

Health Education
Emphasis is placed on students taking ownership of their lifestyle decisions in regard to the importance of living a healthy lifestyle. Areas of study include drug education and assertive decision making, fitness and exercise (including fitness testing), health and nutrition, as well as growth and development (including puberty and adolescence).

Physical Education Clothing
Students are required to change their clothing for Physical Educations classes. Students are encouraged to shower after physical activity. For this reason, students will need their own towel and change of items such as underwear, socks etc. All clothing and towels should be labelled with student's name written in a recognisable place. The school sports uniform consists of yellow Physical Education shirt, black shorts, airflow or parasilk. Black tracksuit pants may be worn during cold weather. Students that have Physical Education in the first class of the day may arrive in NMSHS PE uniform although must change into NMSHS school uniform following that class.

HUMANITIES AND SOCIAL SCIENCES

In Semester One students begin with the study of Geography. The concepts of place, space, environment, interconnection, sustainability and change, continue to be developed with a focus on the creation and cultural significance of landscapes. Spatial change is investigated through the concepts of urbanisation and migration looking at the changing distribution of population in Australia and Asia. In Economics and Business, the concept of markets is introduced to further develop students' understanding of interdependence, making choices and allocation. They consider how markets work and the rights, responsibilities and opportunities that arise for businesses, consumers and governments.

In Semester Two students develop their historical understanding through key concepts, including evidence, continuity and change, cause and effect, perspectives, empathy, significance and contestability. Students investigate events and change from 650 CE – 1750 CE, with a focus on Medieval Europe, investigating the role of knights and castles with an in-depth study of The Black Death. In Civics and Citizenship students investigate the types of law in Australia and how they are made. They consider the responsibilities and freedoms of citizens, and how Australians can actively participate in their democracy.

LANGUAGES / HUMANITIES ELECTIVE

Japanese
This course is suitable for students who are new to the language and for those who have previous language experience. The topics covered within this subject aim to provide students with the ability to initiate and maintain a general conversation in Japanese, as well as acquire an understanding of some of the cultural practices of the Japanese people. Students will study language associated with family and friends, Japanese food and table mannerisms, describing places and their daily lives. Students will engage in listening and speaking, reading, viewing and responding, and writing activities in order to meet the outcomes of this course.

Careers
Careers incorporates a range of activities to help students discover their strengths and interests to develop a positive self-image that provides the foundation for optimistic pathway planning. Students increase their understanding of different careers and the world of work through an investigation task and presentations from industry. Students complete an Individual Pathway Plan to discover personal interests, skills, influences and abilities and to make connections between these and the environment.

MATHEMATICS

In Mathematics, students learn the essential mathematical skills and knowledge developing the numeracy capabilities needed in their personal, work and civic life and are provided with the fundamentals on which mathematical specialties and professional applications of mathematics are built. Students participate in enquiry-based learning activities throughout the year to build on the general capability skills.

All students' abilities in Mathematics are catered for in ability pathways including targeted and extension programs. All students study the mathematics content strands: Number and Algebra; Measurement and Geometry; and Statistics and Probability. Students are also shown the thinking of mathematics explicit in the proficiency strands: Understanding; Fluency; Problem Solving; and Reasoning. Students who show great aptitude for mathematics are invited to participate in a variety of extension programs. These include the Australian Mathematics Competition, Problem Solving Olympiad and Western Australian Junior Olympiad.

At the Year 8 level:

- **understanding** includes describing patterns involving indices and recurring decimals, identifying commonalities between operations with algebra and arithmetic, connecting rules for linear relations with their graphs, explaining the purpose of statistical measures and explaining measurements of perimeter and area

- **fluency** includes calculating accurately with simple decimals, indices and integers; recognising equivalence of common decimals and fractions including recurring decimals; factorising and simplifying basic algebraic expressions and evaluating perimeters and areas of common shapes and volumes of three-dimensional objects
- **problem-solving** includes formulating and modelling practical situations involving ratios, profit and loss, areas and perimeters of common shapes and using two-way tables and Venn diagrams to calculate probabilities
- **reasoning** includes justifying the result of a calculation or estimation as reasonable, deriving probability from its complement, using congruence to deduce properties of triangles, finding estimates of means and proportions of populations.

SCIENCE

Students will study science through the contexts of Biology, Chemistry, Physics and Earth and Space. In Biology students will study the context of life under the microscope and look at a comparison of the systems of a variety of different organisms. In Chemistry, students will study macroscopic properties of matter, elements, compounds plus chemical and physical changes. There is an emphasis on how our understanding of the nature of matter has changed over time. In Physics, students will use the context of renewable energy, investigating the different forms of and efficiency of energy. Earth and Space will be taught with the theme crystallography, studying crystal formation, rocks and soils while studying geological time and resources. In Science Horizons and Engineering Specialist the 'understand' strands will be compacted, allowing more time for acceleration and extension of science concepts.

TECHNOLOGIES

DESIGN AND TECHNOLOGIES

Materials (Engineering Principles and Systems in Wood and Metal)
Students complete a range of practical activities using wood and other materials. They use different specialist equipment such as the drill press, wood lathes, soldering irons, hole saws and hand tools to further develop their skills. Students follow a design process to produce a flashing lights vehicle, incorporating a simple electric circuit, using an eccentric cam as a switching device.

Food Specialisations
Students develop food preparation and cooking skills whilst developing an understanding of the choices we make about food every day. This course is hands on, but also has a theoretical component that focuses on hygiene, safety and the ability to work as part of a team in the preparation of food products.

DIGITAL TECHNOLOGIES

Digital Technologies
Students examine the way we communicate with one another in our on-line world. They investigate how data is represented and transmitted over networks. They identify the social responsibilities users have when interacting with one another on-line. Students use different software products to create digital solutions for a range of problems that consider user interactions and sustainability. Projects include app design and creation, coding and image manipulation.

The Arts

PERFORMING ART

Dance

The Dance course introduces students to the fundamentals of movement. It will explore the elements of dance, body, space, time and energy. Students will be working on and performing small group and troupe dances. They will also have an opportunity to choreograph their own dances. Never miss a chance to Dance.

Music
What is 'good' music? That is the burning question! Throughout this course, students will have an opportunity to explore the vast array of popular musical styles and look at how music is consumed in its various forms.
Theoretical and practical skills will be gained through writing and performing original and existing music.

Music Specialist
Musicians, continue to build your awesome music skills. This course focusses on studying the elements of music, developing existing music skills and creating original music. Students are also given the opportunity to study a variety of different styles and types of music present in our everyday lives from cartoon and film music to contemporary music.
Students who receive instrumental lessons through the school are expected to participate in instrumental and ensemble lessons to adhere to the Instrumental Music School Services policy (IMSS).

- *Instrumental lessons* involve weekly, small group lessons on an instrument. Lessons are held during school hours and are on a rotating roster. It is the students' responsibility to regularly check their lesson times.
- *Ensemble lessons* involve full participation in a school band, including weekly morning rehearsals, various performance engagements during the year and an annual camp.

VISUAL ARTS

Visual Art
Students are introduced to the making of Art. Students will gain experience in a variety of art skills and techniques. These may include printmaking, drawing, sculpture, textiles, ceramics and painting. Students will also develop skills in investigating ideas and understanding artworks and styles.

Media Art
The theme of this course is advertising and animation. Students investigate the ways the media influences our attitudes, decisions and behaviours and demonstrate their understanding through the creation of their own media. Students will experiment with a range of software packages to produce different media products. Projects include animation, advertising and product promotion.

SPECIALIST PROGRAMS

DEPARTMENT OF EDUCATION APPROVED SPECIALIST PROGRAMS - SCIENCE

Students have the opportunity to apply for selection into Department of Education Approved Specialist Programs: Science Horizons or Engineering Specialist. These are a unique educational experience offered statewide that brings together highly able students with a passion for science. Both programs cover the required curriculum whilst enriching learning experiences through acceleration and extension according to the needs of the students. Healthy competition between individuals is fostered in a rich learning environment where collaborative extension is encouraged. Lessons cater for high achievers where thinking outside the box is the norm. Students develop team building skills by participating in Science projects, contributing to the running of a Science Fair, competing in Science and Mathematics competitions and presenting and attending workshops, worksites and conferences.

Both programs provide a strong foundation for successful completion of Senior School Science and Mathematics courses and enhance university entrance into Science and Engineering courses. Expert teachers who have proven competence in their respective fields teach these classes.

Scholarships are also available. Please enquire at the school.

Science Horizons
Students participate in exciting science research projects. These include enrichment research modules on Frog Populations, Macro invertebrate studies and Chemistry of the Wetlands. Students as "Marine Managers" get to work with the Marine Scientists at the Bunbury Dolphin Centre. Research boat trips throughout the year are included. Students develop a data base recording location, photographs, identification and behavior of the dolphins and of water quality in Koombana Bay. As part of the 'Marine Management Program' students monitor the adjoining mangroves. The research student conduct includes developing a sensitivity index for estuarine habitats. They will use this to act and provide recommendations to The City of Bunbury. This popular initiative extends and enriches the science concepts presented in the Science Horizon Program.

Engineering Specialist
The content of the Engineering Specialist lessons includes robotic and electronic engineering, chemical, mechanical, Picaxe electronics and programming, solar car models, Human powered vehicles, CAD programming Auricon bridge building, materials and structures. In year 8 students are also required to complete a semester of Design and Technology to gain workshop skills. In year 9 students are encouraged to select one or both of Technical Graphics CAD or Design and Technology.

MOORE ACADEMY OF SPORT AND HEALTH (MASH)

Students are engaged in many different types of sports, with an emphasis on extending students' leadership and communication skills are key elements of the program. Students have opportunity to establish links with the school community, partner schools, local and state partner bodies through officiating, coaching or sports administration. Students are immersed in both practical and theoretical activities where they can develop their knowledge and understandings of sport, skills, strategies and tactics and continue to grow as a capable sportsperson within their chosen field.
MASH is designed to challenge and extend students who show skill in sport, leadership and teamwork. High standards of behaviour and attitude towards physical activity are essential to be successful in this program. Applications are included in the Newton Moore Senior High School enrolment package.

LIVING AND LEADING (CLONTARF ACADEMY, STARS ACADEMY)

Living and Leading is an integral part of the Academy Programs being offered to Aboriginal students. This course develops practical lifestyle skills partnered with building self-esteem, developing leadership skills and group cohesiveness. Skills will be enhanced by participating in a variety of activities. Students will maximise and monitor their individual performance through motivation, encouragement, and support via personal and group goal setting. Within Living and Leading, students have the opportunity to expand their Noongar language skills, as well as investigate cultural practices and learn the history of colonization and impact on Aboriginal culture.