



CURRICULUM HANDBOOK YEAR 10 – 2023

NEWCASTLE HIGH SCHOOL

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KEY TERMS

The NSW Education Standards Authority (NESA)

This is the NSW government body responsible for the curriculum in all schools from Kindergarten to Year 12.

The Department of Education (DoE)

The governing body of all public schools.

Key Learning Areas (KLAs)

These are broad categories of subjects. The Years 7–10 curriculum is organised into eight key learning areas:

- English
- Mathematics
- Science
- Human Society & Its Environment (HSIE)
- Personal Development, Health & Physical Education (PDHPE)
- Creative & Performing Arts (CAPA)
- Technological & Applied Studies (TAS)
- Languages

Core Curriculum

The Core Curriculum is the group of subjects studied by all students in a particular year level.

Elective Subject

An elective subject is a subject that a student may choose to do.

Stage

This is a period of learning, typically of two years' duration. Stage 4 refers to Years 7 & 8, Stage 5 refers to Years 9 & 10 and Stage 6 refers to Years 11 & 12.

Record of School Achievement (RoSA)

Certification students receive a RoSA if they leave school prior to completing the HSC.

100 Hour Elective

An elective subject that is studied in Year 10 only.

200 Hour Elective

An elective subject that is studied in both Years 9 & 10.

INTRODUCTION

Students entering Year 10 can look forward to interesting and challenging choices in their education. In Stage 5 there are five compulsory Key Learning Areas (KLAs). These form the core curriculum.

They are:

- English
- Mathematics
- Science
- Personal Development, Health & Physical Education
- Human Society & its Environment

Mathematics

Students will be placed in the appropriate level (Stage 5.1, 5.2 or 5.3) based on their performance in Year 9 Mathematics.

Note: students intending to study Advanced Mathematics in Stage 6 should be working at the Stage 5.3 level in Year 10.

Any questions regarding core class placement should be directed to your Deputy Principal or the Head Teacher of the relevant course.

In addition to the core curriculum, students in Year 10 will continue with the 200-hour elective course they commenced in Year 9. They will also select a new 100-hour elective course from the options described in this handbook.

Students can choose both, one or either of their Year 9 elective courses as part of their Year 10 pattern of study.

Some courses have no fee contribution, but others attract a fee contribution to cover the cost of materials and consumables. These course fees are **mandatory** and **must be paid** by students who wish to undertake these courses. Please take this into consideration when selecting the subjects you wish to participate in.

Please study this booklet carefully. You are about to make important choices about your study pathway. Commitment to the courses you elect to study will be an important factor in your success and enjoyment of the exciting opportunities and challenges in learning ahead.

RECORD of SCHOOL ACHIEVEMENT MANDATORY CURRICULUM REQUIREMENTS

The Department of Education and NESA set mandatory curriculum requirements for the award of the Record of School Achievement (RoSA). The RoSA is issued to students who leave school prior to completing their Higher School Certificate.

The curriculum at Newcastle HS is organised to ensure students meet all DoE and NESA requirements.

These requirements are listed below. All time allocations are indicative.

Learning Area	Policy Requirement
English (7 – 10)	500 hours
Mathematics (7 – 10)	500 hours
Science (7 – 10)	500 hours
HSIE (7 – 10)	400 hours distributed as: Geography (7 – 8) – 100 hours History (7 – 8) – 100 hours Geography (9 – 10) – 100 hours History (9 – 10) – 100 hours
Languages	100 hours in a continuous 1-year period
Technological Mandatory (7 -8)	200 hours
Music (7 – 10)	100 hours
Visual Arts (7 – 10)	100 hours
PDHPE (7 – 10)	300 hours (delivered across 7 – 10)
Planned physical activity	150 minutes per week
Additional studies (electives) (9 – 10)	400 hours At least 200 hours of Board Developed, Content Endorsed or Stage 5 VET Board Endorsed courses. The other 200 hours can be made up of the above, or department-approved elective courses.

WHY ELECTIVE COURSES ARE IMPORTANT

Studying subjects that you like and capture your interest adds to the enjoyment of your school experience. Everyone is good at something. Doing subjects you are good at allows you to further develop your skills and knowledge.

The subjects you choose at school can support the type of career you may pursue. However, please note that students are eligible for all subjects in Stage 6, regardless of the electives they study in Stage 5.

HOW DO YOU DECIDE?

Make time to consider your choices.

Find out:

- What subject choices are available?
- What subjects you will be interested in?
- What subjects you are good at?

NEEDING HELP?

WHO	HOW
Subject Teachers	Can give you feedback on the skills and subjects they believe you are good at.
Careers Advisor	Can help you identify a career path and provide information about which subjects are useful for particular careers.
Year Advisor Deputy Principal HT Administration	Can help by talking over your ideas and addressing any concerns you may have.
Your Parents	They want the best for you. If you have differing ideas, or if they'd like more information, please encourage them to contact the school.
You	Research, seek help from the right people and be confident about your decisions.

IT'S YOUR FUTURE!

THE GOLDEN RULES FOR CHOOSING SUBJECTS	
Ability	Choose subjects you are good at
Interest	Choose subjects in which you are interested
Motivation	Choose subjects you really want to learn
Challenge	Choose subjects that will challenge you and support your growth

REGISTERING SUBJECT PREFERENCES

1. Students log onto their DET Student Portal.
2. An email will be in the student's account, labelled *Subject Selections*.
3. Open the email and click on the link provided.
4. Choose your 100 hour elective using the drop down menu.
YOU CANNOT REPEAT A COURSE YOU HAVE DONE THIS YEAR.
5. Also select two reserves, just in case your preference doesn't have sufficient numbers to run.

Changes to your selection can be made by repeating the process at any time before the cut off date.

DETERMINING ELECTIVE LINES

Once we have received student subject preferences, Electives Lines are determined to meet the needs of the majority of registered students.

Students are required to indicate two. Reserve choices just in case any of their preferred electives don't have enough student interest to form a class.

Students will be issued with an Elective Confirmation sheet once the lines have been determined, usually early in Term 4.

For whom is this subject intended?

Aboriginal Studies is a unique experience for both Aboriginal students and non-Aboriginal students. Aboriginal students are provided with an opportunity for cultural affirmation and positive educational experiences while non-Aboriginal students are able to 'learn together' with Aboriginal peoples and communities. All students are encouraged to take an active role in the process of reconciliation.

Course Description

This course allows you to get an in depth look at Aboriginal society. In Aboriginal Studies you will immerse yourself in Indigenous cultural practices and enjoy exploring their history and meaning.

Main Topics Covered

The Stage 5 Aboriginal Studies syllabus is divided into core and options topics. Students could explore a combination of any of the following topics in relation to Aboriginal peoples:

- Identities and Self Determination (CORE topics)
- Visual and Performing Arts
- Media, Film and TV
- Enterprises and Organisations
- Oral and written expression
- Technologies

Scan the QR code to
find out more



"So, I take this word reconciliation and I use it to reconcile people back to Mother Earth, so they can walk this land together and heal one another because she's the one that gives birth to everything we see around us, everything we need to survive"

Max Dulumunmun Harrison



Course Requirements	An interest in learning more about Aboriginal culture and connection, willingness to participate in a range of activities and a desire to develop research and writing skills
Further Information	Ms Dark, Aunty Belinda
Cost	NIL

For whom is this subject intended?

This course has been developed for students who have an interest in and concern for the welfare of children. It begins with conception and pregnancy, to the birth of the baby, and over the two years, follows the development of the baby until it reaches school age.

Course Description

The aims of the course are for students to develop an awareness and understanding of the growth, development and learning of young children and to develop skills in childcare, nurturing and the practical aspects of parenting. It also provides an opportunity for developing a career path in the childcare industry.

Practical activities are integrated throughout this course, with applications in food preparation for pregnant women, infant and toddlers and focusing on textile applications.

Main Topics Covered

Students undertake a range of learning opportunities in the following modules:

Modules Covered:			
Preparing for parenthood	Conception to birth	Family interactions	Newborn care



Course Requirements

Fees cover the cost of textile practical items and food ingredients. Wear enclosed leather shoes and bring a container to each food production lesson.

Further Information Cost

Ms Munro
\$80.00

For whom is this subject intended?

If you are interested in making money or want to be the next Prime Minister, then Commerce is for you! If you want to know how to succeed in today's world, where and how to buy products from global sources, learn about the justice system, how to get and keep your dream job, then Commerce is for you! If you are interested in studying Economics, Business Studies or Legal Studies in Year 11 and 12 then Commerce is for you!

Course Description

Choosing Commerce will provide you with the skills and knowledge on managing your finances in order to be able to buy your dream car or house, and go on amazing holidays. You will develop an understanding of consumer, financial, economic, business, legal, political and employment matters.

Main Topics Covered

Core topics include:

- Consumer and Financial Decision
- The Economic and Business Environment
- Employment and Work Futures
- Law, Society and Political Involvement

Scan the QR code to find out more!



In addition, there are numerous options for depth studies such as:

- Investing, Promoting and Selling
- Running a Business
- Law in Action
- Travel
- Towards Independence
- Our Economy



Course Requirements

A passion for learning more about the economy, government, business, law and financial independence

Further Information

Ms Giffney, Mrs. Clements, Mrs. Doherty

Cost

NIL

DRAMA

CAPA

For whom is this subject intended?

If you are energetic, creative and enjoy working with others and having fun at the same time, then Drama is the option for you. This is a practical subject that gets you up and moving. You will have a lot of choice about what you will learn and what you will create in this elective.

Course Description

Through their study of Drama, students will be challenged to maximise their dramatic abilities and enjoyment of drama through making, performing, and appreciating dramatic film and theatrical works. Students will create drama that explores a range of created and imagined situations. They will perform devised and scripted drama using a variety of performance techniques, dramatic forms, and theatrical conventions.



Main Topics Covered

- Elements of Drama: improvisation, character, role play, play building
- Short Film Making: camera angles and techniques, acting techniques, editing
- Elements of Production: costume design, script writing, lighting, sound



Course Requirements	Comfortable black clothes for performances
Further Information	See Ms Fry
Cost	\$15

For whom is this subject intended?

For students who enjoy learning about food and who wish to develop their practical skills in preparing and presenting food.

Course Description

The study of Food Technology provides students with a broad knowledge and understanding of food properties, processing, preparation and their interrelationships, nutritional considerations and consumption patterns. It addresses the importance of hygiene and safe work practices and legislation in the production of food. It also provides students with a context through which to explore the richness, pleasure and variety food adds to life.

This knowledge and understanding is fundamental to the development of food-specific skills, which can then be applied in a range of contexts, enabling students to produce quality food products. Students explore food-related issues through a range of practical experiences, allowing them to make informed and appropriate choices. They are provided with opportunities to develop practical skills in preparing and presenting food to enable them to select and use appropriate ingredients, methods and equipment.

Main Topics Covered

Students undertake a range of learning opportunities in the following modules:

MODULES			
Food Equity	Food in Australia	Food Product Development	Food Selection and Health



Course Requirements

Wear enclosed leather shoes and bring a container to each lesson.

Further Information

Mrs Munro

Cost

\$140.00

For whom is this subject intended?

Any student who is passionate about the environment – both natural and human and is concerned about our future sustainability. If you want to study Geography or Society and Culture in Year 11 and 12, this is a great start to developing the skills needed for Stage 6 success.

Course Description

Geography Warriors emphasizes the physical, social, cultural, economic and political influences on people, places and environments, from local to global scales. It also emphasises the important interrelationships between people and environments through the investigation of contemporary geographical issues and their management. The wellbeing of societies and environments depends on the quality of interactions between people and the natural world.

Main Topics Covered →



Scan the QR code for more information



Diasters, hazards and crazy landscapes - Boom, crash, bang!

What are the major hazards that impact our environment? How are we changing the physical environment of the Earth's surface?



Oceanography

The study of marine life and ecosystems. How can we best preserve biological diversity and protect endangered ecosystems?



Do you know your neighbour?

What unique cultures and environments surround Australia? How is the movement of people, goods and ideas changing the world?



World at War

What impact does conflict have on countries? How does this change traditional borders? How are geopolitical shifts influencing peace and stability?



How does where we live affect our health? Where and how will 10 billion people live? How might we better observe, analyse and visualise a changing world?

Course Requirements

A passion and curiosity about the world around you, a desire to understand more about the environment and how to protect it plus a willingness to work in groups and independently.

Further Information

Ms Dark, Mrs Morris

Cost

NIL

HORRIBLE HISTORIES

HSIE

For whom is this subject intended?

Anyone in Year 9 who loves History and would like the opportunity to spend more time on interesting topics chosen by the student, class and teacher. If you are interested in studying Ancient, Modern or Extension History in Year 11 and 12 this course will set you in the right direction!

Course Description

This course allows you to get an in depth look at the juicy bits of history. From crime to conspiracies, serial killers and the perception of witches, the Horrible Histories course follows the Elective History syllabus and allows students to study history through class, group and project work.

Main Topics Covered

The Stage 5 Elective History syllabus is divided into core topics (Constructing history, Ancient, Medieval and Early Modern Societies and Thematic Studies). Students could explore a combination of any of the following topics →



Scan the QR code to find out more

Year 9 Elective History students (2018) created over 450 poppies to commemorate Anzac Day, representing those from Newcastle who lost their lives in service to Australia



Conspiracy theories



Monsters of History



Reel VS Real



Piracy



Salem Witch Trials



Course Requirements

A passion for History, research and writing skills (this course will help you develop these skills), a curious mind, willingness to spend time investigating historical issues, events and personalities.

Further Information Cost

Ms Dark, Mrs White, Mr. Osborn or Mr. Farrar
NIL

HOSPITALITY (VET)

SIT10216 Certificate I in Hospitality

TAS

For whom is this subject intended?

Hospitality is suitable for students who are interested in achieving a nationally recognised accreditation and who have a passion for food and beverage preparation and service.

Course Description:

The Certificate I in Hospitality provides students with broad-based underpinning competencies in a range of hospitality skills.

Students undertaking this program will prepare and present simple dishes as well as learning how to work safely and hygienically in the hospitality industry.

Students will have the opportunity to work individually and in small groups.

Main Topics Covered

Core

- SITXWHS001 Participate in safe work practices
- SITXCCS001 Provide customer information and assistance
- BSBWOR203 Work effectively with others

Electives may include

- SITXFSA001 Use hygienic practices for food safety
- TLIE1005 Carry out basic workplace calculations
- SITHIND001 Use hygienic practice for hospitality service
- SITHCCC002 Prepare and present simple dishes
- SITHCCC003 Prepare and present sandwiches
- SITHFAB005 Prepare and serve espresso coffee
- HLTAID002 Provide basic emergency life support



Course Requirements

Students must wear enclosed leather shoes and bring a container to each practical lesson.

Further Information Cost

A.Maddalena

\$140 course fee plus the cost of an externally sourced First Aid course.

		2023 HOSPITALITY COURSE DESCRIPTION STAGE 5 SIT10216 Certificate I in Hospitality Public Schools NSW, Tamworth RTO 90162	
This document may change due to Training Package and NSW Education Standards Authority (NESA) updates. Notification of variations will be made in due time			
Course: Hospitality Board Developed Course 100hrs			
<p>By enrolling in a VET qualification with Public Schools NSW, Tamworth RTO 90162, you are choosing to participate in a program of study that will provide you the best possible direction towards a nationally recognised qualification. To receive this AQF VET qualification, you must meet the assessment requirements of SIT10216 Certificate I in Hospitality https://training.gov.au/Training/Details/SIT10216</p> <p>You will also be expected to complete all requirements and adhere to the requirements of NESA. This course is accredited and provides students with the opportunity to obtain nationally recognised vocational training. This is known as dual accreditation. To gain a full qualification, students must achieve all competencies. A statement of attainment towards the qualification is possible if at least one unit of competency is achieved.</p>			
Recommended Entry Requirements Students selecting this course should be interested in working in a Hospitality Industry environment. They should be interested in learning the basics of customer service, food hygiene, teamwork and the requirements to successfully work in cafes, hotels, motels, catering operations, clubs and pubs. The training is hands-on, practical and relevant in the real world.			
Units of Competency			
Core Based on Tourism, Travel and Hospitality Training Package Version 1.2 (SIT v1.2)		Electives may include	
Units of Competency Core SITXWHS001 Participate in safe work practices SITXCCS001 Provide customer information and assistance BSBWOR203 Work effectively with others		SITXFSA001 Use hygienic practices for food safety TLIE1005 Carry out basic workplace calculations SITHIND001 Use hygienic practice for hospitality service SITHCCC002 Prepare and present simple dishes SITHCCC003 Prepare and present sandwiches SITHFAB005 Prepare and serve espresso coffee HLTAID002 Provide basic emergency life support	
Students may apply for Recognition of Prior Learning (RPL) and /or credit transfer before delivery, provided suitable evidence is submitted.			
Pathways to Industry - Skills gained in this course transfer to other occupations			
As part of the HSC, students may complete SIT20316 Certificate II in Hospitality or SIT20416 Certificate II in Kitchen Operations. A school-based traineeship is available in this field, for more information: http://www.sbatinnsw.info/			
<div><div><ul style="list-style-type: none">bar usefulfood runner</div><div><ul style="list-style-type: none">housekeeping assistantkitchen steward</div><div><ul style="list-style-type: none">kitchen usefulglass runner</div></div>			
Mandatory Course Requirements Students must complete 100 indicative hours of course work			
Competency-Based Assessment Students in this course work to develop the competencies, skills and knowledge described by each unit of competency listed above. To be assessed as competent a student must demonstrate to a qualified assessor the competency requirements for performance and knowledge of the units/s of competency.			
Appeals and Complaints Students may lodge a complaint or an appeal about a decision (including assessment decisions) through the VET trainer.			
Course Cost: \$120 plus externally delivered First Aid course Refund arrangements on a pro-rata basis.		Refunds Refund Arrangements on a pro-rata basis. Please refer to your school refund policy	
A school-based traineeship is not available in this course.			
Exclusions: VET course exclusions can be checked on the NESA website at http://educationstandards.nsw.edu.au/wps/portal/nesa/11-12/stage-6-learning-areas/vet/course-exclusions			
2023 Course Descriptor SIT10216 Certificate I in Hospitality Public Schools NSW, Tamworth RTO 90162 V1.2 Updated March 2022 <i>Disclaimer: If you require accessible documents, please contact your VET coordinator for support</i>			

For whom is this subject intended?

Students who are interested in artificial intelligence, game design, multimedia and web design should consider this course.

Course Description

A key feature of the course will include coding and software development through the use of design projects. Computers will be used in all lessons with online tutorials, cloud based collaborative learning.

Students will create engaging projects utilising project development procedures. Assessable projects include films, websites, interactive slideshows, video games, robot construction and physical coding on hardware devices.



Students will explore the following topics and software applications:

Main Topics Covered

Topic	Typical software explored
Robotics	LEGO EV3 Mindstorms, Google Docs, MakeyMakey, Scratch, MakerBot, StarLAB Mars Rover
Digital Media	Audacity, Adobe Photoshop, Google Slides, Adobe Illustrator, Windows Live Movie Maker
3D Modelling	Trimble SketchUp, TinkerCAD, Minecraft Education Edition
Networking	Minecraft Education Edition, SketchUp, Google Docs, Google Sheets, Microsoft Excel
Web Site Development	Adobe Dreamweaver, Firefox, Internet Explorer, Chrome, Weebly
Software Design	Python, Arduino, JavaScript, EV3 Mindstorms, Minecraft Education Edition, Drone flight
Artificial Intelligence	Google Earth, Scratch, HALO, Pong, The Sims, Super Mario Bros, Minecraft Education Edition, Kodu



Course Requirements	Windows Laptop or Apple MacBook
Further Information	Mr Biddle
Cost	\$20

INDUSTRIAL TECHNOLOGY

MSM10216 – Certificate I in Manufacturing (Pathways)

TAS

For whom is this subject intended?

This 100 hour course is suitable for Year 9 students who wish to get a head start and gain industry recognised qualifications and skills while still at school in the metal industry.

Course Description:

Vet Manufacturing is a practical and work-based course that helps students prepare for their transition to post-school work and further study.

This course can provide you with:

- nationally recognised qualifications
- industry-specific technical skills that lead directly to employment or further study
- employability skills in communication, teamwork, problem-solving, initiative and enterprise, planning and organising, self-management, learning and technology skills.

Main Topics Covered

- Adapt to work in industry
- Safe working practices
- Apply effective work practices
- Operate and maintain hand tools, power tools, workshop machinery and welding equipment.
- Perform tasks to support production



Course Requirements	Students in the metal workshop must wear fully enclosed leather shoes
Further Information	Mrs Munro
Cost	\$75.00

2023 MANUFACTURING (PATHWAYS) COURSE DESCRIPTION STAGE 5

MSM10216 Certificate I in Manufacturing (Pathways)

RTO 9016 Public Schools NSW, Tamworth

This may change due to Training Package and NSW Education Standards Authority (NESA) updates.
Notification of variations will be made in due time.

Course: **Manufacturing (Pathways)** (100 indicative hours)

Board Endorsed Course

This course is accredited for the Record of School Achievement (RoSA) and provides students with the opportunity to obtain nationally recognised vocational training.

MSM10216 Certificate I in Manufacturing (Pathways) Based on MSM - Manufacturing Training Package (Release 7.0)

Units of Competency

Core

MSMPCI101	Adapt to work in industry
MSMPCI102	Apply effective work practices
MSMPCI103	Demonstrate care and apply safe practices at work

Technical unit

MSMPCII298	Make an object from metal
	OR
MSMPCII296	Make a small furniture item

Electives

MSMOPS100	Use equipment
MSMOPS101	Make measurements
MSMOPS102	Perform tasks to support production
CPCCCM1011	Undertake basic estimation and costing
CPCCWHS1001	Prepare to work safely in the construction industry

Students may apply for Recognition of Prior Learning and /or credit transfer provided suitable evidence is submitted.

Recommended Entry Requirements

Students selecting this course should be interested in working in a manufacturing environment. They should be able to use hand and power tools, lift and carry small and large objects. There will be out of class homework, research activities and assignments.

Pathways to Further Study

As part of the HSC, students may complete MEM10119 Certificate I in Engineering and SOA towards MEM20413 Certificate II in Engineering Pathways, CPC20220 Certificate II in Construction Pathways, or MSF20516 Certificate II in Furniture Making Pathways. School-based traineeships or apprenticeships are also available in this field.

Project and work-based learning

This course is based on project-based learning where the students are involved in several projects, and activities around the school. These could include group project work, individual research or other activities.

Competency-Based Assessment

Students in this course work to develop the competencies, skills and knowledge described by each unit of competency listed above. To be assessed as competent a student must demonstrate to a qualified assessor the competency requirements for performance and knowledge of the unit/s of competency.

Appeals and Complaints

Students may lodge a complaint or an appeal about a decision (including assessment decisions) through the VET teacher.

Course Costs: \$75

Exclusions - Nil

VET course exclusions for this course can be checked on the NESA website at <http://educationstandards.nsw.edu.au/wps/portal/nesa/k-10/learning-areas/vet/vet-board-endorsed-courses/manufacturing-pathways>

For whom is this subject intended?

This 100 hour course is suitable for students who wish to develop their practical application skills through constructing a variety of electronic practical projects. Students will gain fundamental knowledge and skills in the electronics field and is suitable for students wishing to pursue a career in an electrical trade at TAFE or an Electrical Engineering degree at university.

Course Description:

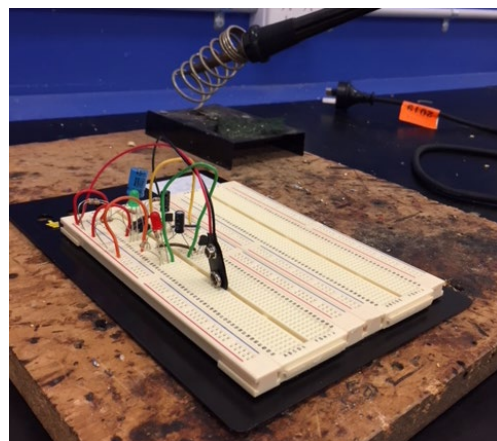
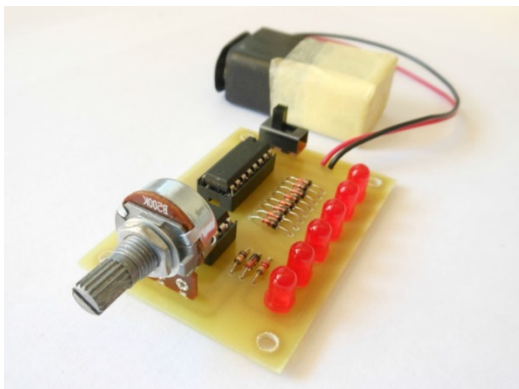
Students learn about basic electronic and electrical principles and how to apply their acquired knowledge and skills to real life practical applications. The practical projects range from basic continuity testers, electronic dice, roulette wheel to more complex projects using timers and integrated circuits. Students develop their communication techniques through reading and interpreting schematic diagrams, solving electronic mathematical problems and developing project folios.

This knowledge and understanding is fundamental to the development of specific electronic skills, which can be applied in a range of contexts, enabling students to produce quality practical projects.

Main Topics Covered

Students will undertake a range of learning opportunities in the following modules:

MODULES			
WH&S and risk management	Project design, development and production	Hand tools, machine tools, equipment and processes	Materials and electronic components
Solving electronic mathematical problems	Communication techniques	Impact of technology on society and the environment	Links to industry



Course Requirements	Students in the Electronics workshop must wear fully enclosed leather shoes
Further Information	Mrs Munro
Cost	\$60

For whom is this subject intended?

Industrial Technology courses are concerned with our technological, industrialised society and seek to relate experiences in this field to other subjects through practical work with materials, hand and machine tools, drawing and design.

Skills in designing, planning, constructing and evaluating timber projects are developed.

Examples of projects undertaken - bedside table, upholstered stool, decorative mirror frame, entertainment unit, blanket box.

Course Description

Throughout the construction of these projects, students will obtain experience in the use of hand tools and techniques, as well as power tools and woodworking machines such as the pedestal drill, portable router, domino joiner, mortising machine and disc sander.

By the completion of the course students should have sufficient background knowledge and experience in wood to confidently attempt:

- Industrial Technology (Timber) course in Years 11 and 12
- Trade Training Qualifications - VET Construction
- Designing and constructing their own timber projects

Main Topics Covered

Students undertake a range of learning opportunities in the following modules:

WHS and risk management	The properties and working characteristics of solid timber	Equipment, tools and machines
Techniques for preparing, joining and finishing	Links to industry	Design



Course Requirements

Students in practical workshops MUST wear enclosed leather school shoes. Students must provide own safety glasses

Further Information

Mrs Munro

Cost

\$75.00

iSTEM Science

For whom is this subject intended? Students interested in Science, Technology, Engineering and Mathematics

Course Description

ISTEM, or Integrated Science Technology Engineering and Mathematics, refers collectively to the subject with a broad field of distinct and complementary approaches to knowledge. Each has a critical role to play in its own right, but also enables discovery and progress in other fields.



The course utilises a practical approach with engineering and technology being used to drive engagement in mathematics and science through the development of technical skills and mechanical engineering knowledge. Examples of projects include coding, scientific experiments, building sustainable cities and constructing robotic prototypes.

Main Topics Covered

Modules covered in the course					
STEM Fundamentals	Aerodynamics	Motion	3D CAD CAM	Mechatronics	Design For Space

Students undertake a range of inquiry based learning and project based learning activities in fields such as:

- Aircraft design
- Drone Piloting
- Robotics
- Coding
- Bridge design
- Racing electric vehicles



Course Requirements Further Information Cost

Book or laptop, scientific calculator

See Mr Smith, Mr Bromfield or your Science teacher

\$30

JAPANAESE

Languages

For whom is this subject intended?

Students interested in studying Japanese as a second language should consider this course.

Course Description

Japan has a rich and fascinating culture and history. Japan has particular importance to Australia because of trade, tourism, and technology, areas that may provide future employment opportunities for students. Spoken Japanese is relatively easy to pick up, and although the writing system presents a challenge, there are many online games designed to help students master script recognition.



- Many Australian students are attracted to Japanese because of the growing popularity of Japanese anime (animation films) and JPop music among teenagers.
- Students will have opportunities to host visiting Japanese students or interact with them at school

Main Topics Covered

All students enrolled in this course will be eligible to enter the Ube/Newcastle Sister City Speech Competition and win themselves a trip to Japan. Students will learn to use language for communicative purposes. They will also analyse and understand language and culture. They will develop an interest in and enjoyment of language learning and an appreciation of the value of culture. Topics include: Around my town, school and exchange students, seasons and travel, daily routines and hobbies.



Course Requirements

There is no requirement to have studied Japanese in Stage 4, but if the student intends to complete the Japanese Beginners course in Stage 6, they cannot have completed more than 100 hours of Japanese studies (ie, both Stages 4 and 5) prior to Year 11. Japanese in stage five means it cannot be chosen in stage 6

Further Information Cost

Ms O'Brien
\$34

MUSIC

CAPA

Who is this course intended for?

The study of music's forms, styles and ideas enables young people to develop an interest in appreciation and enjoyment of music. Through critical reflection and acquiring understanding, knowledge and skills, students respond by creatively developing their own musical ideas, compositions and performances.

The Music elective allows you to pursue your own direction, whether that be a focus on composition, performance or lead soloist/performer in a band.

Course Description

Music will allow students to improve their performance skills on their chosen instrument, participate in live performances and play in ensembles. They will learn to collaborate, develop ensemble awareness and leadership skills. Students will also have the opportunity to develop composition skills and learn about different forms of technology that aid composition and performance. They will learn about the concepts of music through listening and musicology activities. Students will study course topics, but will also have the choice to select an elective task in performance, composition or musicology.

Main Topics Covered

- Improvised Music
- Technology and Its Influence on Music
- Rock Music
- Music for Small Ensembles



Course Requirements	A willingness to perform and private lessons are encouraged
Further Information	See Mr. Lewis
Cost	\$20.00

PHYSICAL ACTIVITY AND SPORT STUDIES (PASS)

PDHPE

Physical Activity and Sport Studies provides for a comprehensive study of physical activity and movement. Students will study the way the body functions and how to prepare to move efficiently in a variety of contexts. It incorporates lifelong physical activities, recreational and leisure pursuits, competitive and non-competitive games and sports, individual and group experiences and physical fitness activities.

The course is suitable for students who have already studied PASS in Year 9, as well as those students who would like to choose PASS for the first time in Year 10.

A **highlight** is the opportunity to participate in a variety of excursions that enhance the PASS experience and facilitate delivery of the course are also included when appropriate. These excursions aim to challenge students' physical skills and problem-solving abilities, as well as encouraging the development of resilience and leadership skills.

The course comprises a combination of theory and practical lessons and covers the following modules:

- Technology, Participation and Performance
- Issues in Sport - Technology, Drugs and Gender Inequities
- Lifestyle, leisure and recreation
- Physical Activity for Health
- Sports Coaching



Course Requirements Further Information Cost

PE uniform is to be worn for practical lessons

See Ms Blatchford

There may be costs associated with planned excursions throughout the year.

PHOTOGRAPHIC AND DIGITAL MEDIA

CAPA

For whom is this subject intended?

The course develops students' broad skills and knowledge in photographic forms and provides the opportunity to refine and further explore more sophisticated photographic techniques. The course culminates in the development of a specialized portfolio or Body of Work and student exhibition. This course allows for a continuum of learning; studying Photography & Digital Media can extend the learning of Visual Arts Elective students and / or provide a solid foundation of learning for senior art courses.

Course Description

Students have the opportunity to study still and moving photographic forms, specifically in 'wet' black & white photography, 'dry' digital photography and video production over the two year course. Students will develop a portfolio of work where creativity and individuality is important in the demonstration of their technical skills.

Main Topics Covered

- Traditional Wet Photography in the darkroom
- Learning to use a camera correctly
- Special effects in Photography
- Photographic 'story' development
- Editing using Adobe Photoshop and Adobe Premiere
- Introduction to Digital photography
- Exploring concepts in Portraiture
- Magazine cover design
- Animation
- Capturing & creating iconic images.



Click the link to view student work.

<https://sites.google.com/education.nsw.gov.au/yr910photography/home>



Course Requirements	Visual Arts Process Diary
Further Information	See Mr Kondov
Cost	\$60

TEXTILES TECHNOLOGY

TAS

For whom is this subject intended?

For creative students who love hands-on practical based learning, have an interest in fashion design and would like to know how to produce their own clothes and accessories.

Course Description:

The study of Textiles Technology provides students with knowledge of the properties, performance and uses of textiles. Textile projects give students the opportunity to be creative, independent learners and to explore functional and aesthetic aspects of textiles. They explore fabrics, yarns, fibres and colouration. Students examine the historical, cultural and contemporary perspectives on textile design and develop an appreciation of the factors affecting them as textile consumers. Students investigate the work of textile designers and make judgments about the appropriateness of design ideas, the selection of materials and tools, and the quality of textile items.

Main Topics Covered

Students undertake a range of learning opportunities in the following modules:

Apparel - City Living (Streetwear practical project)	Apparel - Stretch Knit Action (Jumper practical project)	Non-apparel - Sea and Sand (Recycled denim project)
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Course Requirements	Practical equipment: Students are to supply their own fabric, pattern and notions required to complete each design brief.
Further Information	Mrs Munro, Mrs Black, Mrs Pearce
Cost	\$40

VISUAL ARTS

CAPA

For whom is this subject intended?

The skills and knowledge taught and the values formed in Visual Arts will benefit students seeking a future in art and design-related industries. Visual Arts provides a valuable background for all students contemplating any career where acute observation, critical analysis, brain-hand-eye coordination/dexterity and creative problem-solving are necessary.

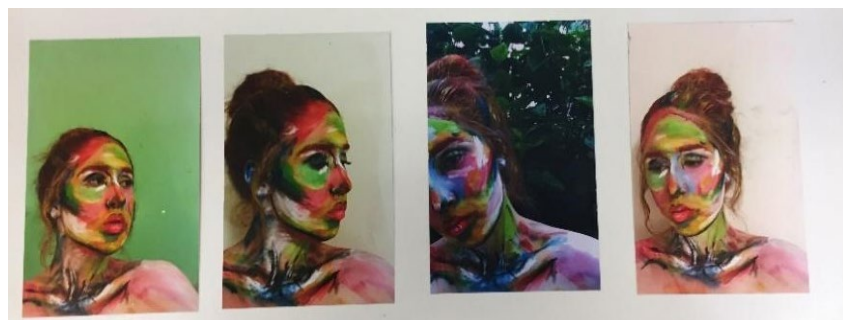
Course Description

This course allows students to work practically to develop their ideas and responses to the world in a creative and visual way. Students experiment with a range of media to produce artworks in the following forms: drawing, painting, sculpture, assemblage, collage, video, performance art, digital art and installation.

Practical work may include drawing upon the student's experiences, environment, and imagination. This course involves excursions into our local environment, including the beach, harbour, foreshore and local art galleries.

Main Topics Covered

- Portraiture
- Landscape
- Indigenous Art
- Abstraction
- Still Life
- Street Art



Click the link to view student work:

<https://sites.google.com/education.nsw.gov.au/yr910visualarts/home>

Course Requirements

Further Information

Cost

Visual Arts Process Diary, felt tip pen, 2B, 4B pencils.

Mr Kondov, Mrs Hasler, Mrs Carter

\$45

For whom is this subject intended?

Visual Design is an exciting and constantly expanding field of artistic expression. It provides an opportunity to investigate design in much greater depth and learn industry level software and techniques. Students can explore areas of interest and resolve design problems to build a portfolio of work.

This course also provides a sound base for students wishing to further develop their skills and knowledge by studying Visual Arts or Visual Design in the senior school.

Course Description

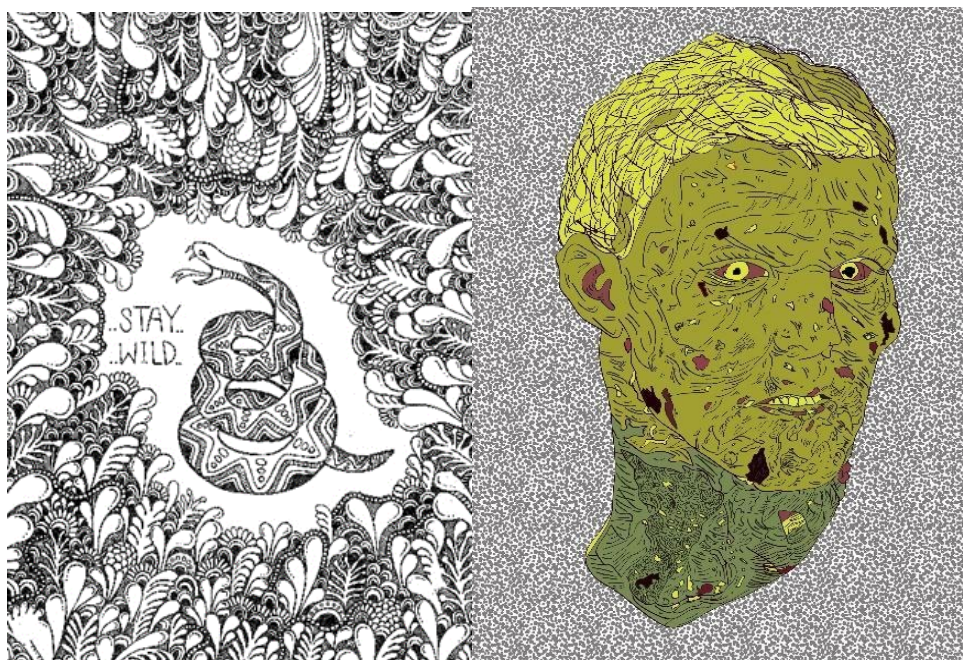
Visual Design involves the use of a range of design technologies, both traditional and digital. Students engage in a range of graphic design units based on an introduction to the skills and technology used by a range of artists and designers working in fields such as graphic art, digital illustration, photography and character and game design. Through study and investigation, students will examine the work of relevant contemporary designers.

Main Topics Covered

- Comic Illustration
- Book Illustration
- Corporate Identity
- Character Design
- Recycled Design
- Game Design
- Corporate Graphic Design
- Digital Illustration
- Advertising
- Poster Design

Click the link to view student work.

<https://sites.google.com/education.nsw.gov.au/yr-910-visual-design/home>



Course Requirements
Further Information
Cost

Visual Arts Process Diary

Please see Mr Kondov, Ms Hasler or Ms Carter

\$ 40.00



Respect, Responsibility & Participation

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