

COOKTOWN P-12 STATE SCHOOL
JUNIOR SECONDARY SUBJECT
BOOKLET

2020

YEAR 9



COOKTOWN P-12 STATE SCHOOL



Statement of Purpose

The Cooktown P-12 State School community is committed to maximising learning outcomes for all by providing a quality curriculum.

At Cooktown P-12 State School we adopt, and teach to, the Australian Curriculum.

We ensure the quality of our learning by in Junior Secondary:

- Implementing teaching strategies that enhance and extend the learning styles of our students
- Developing skills to the highest level and encouraging innovation
- Differentiating to ensure that every student has the opportunity to succeed
- Creating and pursuing goals for the future
- Celebrating effort and success in all curricular and extra-curricular programs
- Guiding learners towards self-discipline
- Providing a safe and supportive environment
- Ensuring a smooth transition from Year 6, and through to Year 10

At Cooktown P-12 State School in 2020, all Year 9 students will study:

- English
- Mathematics
- Science
- History
- Health and Physical Education

and select *two* elective subjects from:

- Industrial Technology and Design
- Food and Nutrition Studies
- Media Arts
- Visual Arts

2020 BOOK LIST REQUIREMENTS
YEAR 9

General Information

- The following requisites are essential for each student to start the first day of the school year.
- Please ensure that all items are clearly marked.
- Please re-use stationery and textbooks from Year 7 and 8 where possible
- Please purchase books as per the list below, **5-Subject books are not permitted.**
- Roller tape is permitted as **liquid paper is not allowed**

Core Subject stationery supplies

2	2B pencils	1	Glue stick	1	Compass
1	HB pencils box of 12	1	Pkt coloured pencils	1	Protractor - circular
4	Blue biros	2	Highlighters	1	Dictionary (home use)
4	Black biros	1	Sharpener	1	Pencil Case
2	Red biros	2	Erasers	1	Scientific calculator
2	Whiteboard markers	1	Ruler	1	8GB USB drive
6	A4 Exercise books 96 page	1	Scissors	1	Roller tape (pen eraser)
2	10mm A4 Quad pads, 128 page	2	Plastic display folder	1	Student Diary available at school

Elective Subject stationery supplies

Visual Arts		Industrial Design and Technology	
1	Visual art diary (A4)	1	Plastic display folder
2	4B pencils	1	A4 Exercise Book
1	Black mapping pen		
Food and Nutrition Studies		Media Arts	
1	Simplex wallet	1	A4 Exercise Book
1	1.5L lunchbox/container with sealable lid		
1	A4 Exercise Book		

All students require a brimmed hat and a water bottle at school each day!

Subject	English
Subject Code	ENG09
Subject Description	<p>By the end of Year 9, students analyse the ways that text structures can be manipulated for effect. They analyse and explain how images, vocabulary choices and language features distinguish the work of individual authors. They evaluate and integrate ideas and information from texts to form their own interpretations. They select evidence from texts to analyse and explain how language choices and conventions are used to influence an audience. They listen for ways texts position an audience.</p> <p>During this year you will complete the units:</p> <ul style="list-style-type: none"> • Examining representations of Australia's peoples, histories and cultures • Exploring different perspectives • Creating speculative fiction • Exploring ethical issues and manipulating language for effect • Examining Perspectives on Issues
Assessment	<ul style="list-style-type: none"> • Oral Multimodal presentation • Written Memoir • Written Comprehension • Written Script Interview • Oral Characterisation

Subject	Mathematics
Subject Code	MAT09
Subject Description	<p>By the end of Year 9, students solve problems involving simple interest. They interpret ratio and scale factors in similar figures. Students explain similarity of triangles. They recognize the connections between similarity and the trigonometric ratios. Students compare techniques for collecting data from primary and secondary sources. They make sense of the position of the mean and median in skewed, symmetric and bi-modal displays to describe and interpret data.</p> <p>Students apply the index laws to numbers and express numbers in scientific notation. They expand binomial expressions. They find the distance between two points on the Cartesian plane and the gradient and midpoint of a line segment. They sketch linear and non-linear relations. Students calculate areas of shapes and the volume and surface area of right prisms and cylinders. They use Pythagoras' Theorem and trigonometry to find unknown sides of right-angled triangles. Students calculate relative frequencies to estimate probabilities, list outcomes for two-step experiments and assign probabilities for those outcomes. They construct histograms and back-to-back stem-and-leaf plots.</p>
Assessment	<p>Assessment may include:</p> <ul style="list-style-type: none"> • Exams • Assignment • Group work • Practical Activities • Investigations

Subject	Science
Subject Code	SCI09
Subject Description	<p>By the end of Year 9, students explain chemical processes and natural radioactivity in terms of atoms and energy transfers and describe examples of important chemical reactions. They describe models of energy transfer and apply these to explain phenomena. They explain global features and events in terms of geological processes and timescales. They analyse how biological systems function and respond to external changes with reference to interdependencies, energy transfers and flows of matter. They describe social and technological factors that have influenced scientific developments and predict how future applications of science and technology may affect people's lives.</p> <p>During this year you will complete the units:</p> <ul style="list-style-type: none"> • Understanding the nature of the cell, and the reproductive structure and function • Investigating the chemistry of common substances • Understanding rock cycle processes Exploring energy transfers and transformations
Assessment	<ul style="list-style-type: none"> • Exam • Experimental Investigation • Experimental Investigation • Exam

Subject	History
Subject Code	HIS09
Subject Description	<p>By the end of Year 9, students refer to key events and the actions of individuals and groups to explain patterns of change and continuity over time. They analyse the causes and effects of events and developments and make judgments about their importance. They explain the motives and actions of people at the time. Students explain the origin of these events and developments over the short and long term. They explain different interpretations of the past. Students sequence events and developments within a chronological framework, with reference to periods of time and their duration.</p> <p>During this year you will complete the units:</p> <ul style="list-style-type: none"> • Making A Nation • The Industrial Revolution (1750-1914) • World War I (1914 – 1918)
Assessment	<ul style="list-style-type: none"> • Written Essay • Oral Multi Modal Presentation • Written Short Response Exam • Written Extended Response Exam • Written Essay

Subject	Health and Physical Education
Subject Code	HPE09
<p>Subject Description</p>	<p>In Years 9 and 10, students learn to apply more specialised movement skills and complex movement strategies and concepts in different movement environments. They also explore movement concepts and strategies to evaluate and refine their own and others' movement performances. Students analyse how participation in physical activity and sport influence an individual's identities, and explore the role participation plays in shaping cultures. The curriculum also provides opportunities for students to refine and consolidate personal and social skills in demonstrating leadership, teamwork and collaboration in a range of physical activities.</p> <p>During this year you will complete the units:</p> <ul style="list-style-type: none"> • Respectful relationships • Space Invaders • Sustainable Health Challenge • Strike Out • My Social Responsibilities • Navigators • Active Aussies • Moving More Matters
<p>Assessment</p>	<ul style="list-style-type: none"> • Research Case Study • Practical Performance • Written Multimodal Presentation • Practical Performance • Research Assignment • Practical Performance • Written Portfolio • Practical Performance

Subject	MEDIA ARTS (Elective)
Subject Code	MED09
Subject Description	<p>By the end of Year 9, students analyse how social and cultural values and alternative points of view are portrayed in media artworks they make, interact with and distribute. They evaluate how genre and media conventions and technical and symbolic elements are manipulated to make representations and meaning. They evaluate how social, institutional and ethical issues influence the making and use of media artworks.</p> <p>Students produce representations that communicate alternative points of view in media artworks for different community and institutional contexts. They manipulate genre and media conventions and integrate and shape the technical and symbolic elements for specific purposes, meaning and style. They collaboratively apply design, production and distribution processes.</p>
Assessment	<p>Assessment may include:</p> <ul style="list-style-type: none"> - Exams - Assignments - Presentations or Performances

Subject	VISUAL ARTS (Elective)
Subject Code	ART09
Subject Description	<p>By the end of Year 9, students evaluate how representations communicate artistic intentions in artworks they make and view. They evaluate artworks and displays from different cultures, times and places. They analyse connections between visual conventions, practices and viewpoints that represent their own and others' ideas. They identify influences of other artists on their own artworks.</p> <p>Students manipulate materials, techniques and processes to develop and refine techniques and processes to represent ideas and subject matter in their artworks.</p>
Assessment	<p>Assessment may include:</p> <ul style="list-style-type: none"> - Exams &/or Assignments - Group work - Practical Activities - Presentations or Performances

Subject	Design and Technologies (Elective) FOOD AND NUTRITION STUDIES INDUSTRIAL TECHNOLOGY AND DESIGN
Subject Code	ITD09, FAN09
Subject Description	<p>Learning in Design and Technologies involves the creative processes through which products, services and environments are designed and developed. Students learn that the design, development and use of technologies are influenced by and can play a role in enriching and transforming societies and our natural, managed, constructed and digital environments. Design and Technologies, in which students use design thinking and technologies to generate and produce designed solutions for authentic needs and opportunities.</p> <p>By the end of Year 9, students explain how people working in design and technologies occupations consider factors that impact on design decisions and the technologies used to produce products, services and environments. They identify the changes necessary to designed solutions to realize preferred futures they have described. When producing designed solutions for identified needs or opportunities, students evaluate the features of technologies and their appropriateness for purpose for one or more of the technologies contexts.</p> <p>Students create designed solutions for one or more of the technologies contexts based on a critical evaluation of needs or opportunities. They establish detailed criteria for success, including sustainability considerations, and use these to evaluate their ideas and designed solutions and processes. They create and connect design ideas and processes of increasing complexity and justify decisions. Students communicate and document projects, including marketing for a range of audiences. They independently and collaboratively apply sequenced production and management plans when producing designed solutions, making adjustments to plans when necessary. They select and use appropriate technologies skillfully and safely to produce high quality designed solutions suitable for the intended purpose.</p> <p>There are two subjects offered in Design and Technologies at Cooktown P-12 State School:</p> <ul style="list-style-type: none"> • Food and Nutrition Studies, and • Industrial Technology and Design
Assessment	<p>Assessment may include:</p> <ul style="list-style-type: none"> • Portfolios • Assignments • Theory and practical exams • Practical projects • Oral presentations