



YEAR 10 2021
COURSE BOOKLET

TAUPO-NUI-A-TIA COLLEGE

ESTABLISHED
1960

Arts

The Visual Art Faculty at Taupo-nui-a-Tia College is a healthy and vibrant part of the school that allows students to explore a wide range of creative fields. We aim to give our students the opportunities to develop original ideas that express themselves and the world they live in while successfully gaining NCEA qualifications. This is a rewarding subject that requires students to use their imagination and creativity, while acquiring a range of practical skills.

10ARD - Year 10 Art – Design

Recommended Cost \$30

Students will cover a range of drawing and painting skills, with a focus on the design process. A range of the following activities are included: Collage/mixed media, design, drawing, painting.

Teacher in Charge: Mr G Lindsay

Contributions and Equipment/Stationery: It is recommended students pay \$30 which covers the cost of the take home materials used in the course.

A3 Visual diary, eraser, 6B pencil, sharpener, Coloured pencils, Scissors, Glue stick

10DAN - Year 10 Dance

The Year 10 dance programme is optional and is available to Year 10 students who express an interest in dance. The course includes:

- Dance elements – in conjunction with Choreographic Devices (both are key components of NCEA dance).
- Dance history – focussing on how genres mix to create new contemporary styles.
- Dance composition – developing on group and solo work.
- Students who are already participating in dance, whether private/extra-curricular, Kapa Haka or Pacific Island group, will have an individual learning plan to enhance their prior learning and experience.

Teacher in Charge: Ms I Gloy

Contributions and Equipment/Stationery: Any associated workshop cost may be extra. A4 Refillable Display book.

10DRA - Year 10 Drama

Recommended Cost \$30

This is a practical and theory-based course in both classroom and stage drama. No experience is necessary, but an interest in acting is essential and full participation is obligatory. The course includes: The history of theatre, in-role improvisation, stage craft, Greek theatre form, New Zealand theatre form, scene devising, movement, voice and role.

Teacher in Charge: Ms V Gowdy

Contributions and Equipment/Stationery: It is recommended students pay \$30 which covers the cost of the take home materials used in the course. 2B8 exercise book. Any associated workshop cost may be extra.

10MTE - Year 10 Music – Technology

Recommended Cost \$10

This is a practical course focusing on a mix of music technology, composition, practical music on a chosen instrument. The modules in Year 10 are streamlined to allow students to take music in Year 11 and look at the following:

Module 1: Practical music - this module runs throughout the course and students have practical workshops with a specialist teacher. Students perform as part of a group, as an individual or through the computer as electronic music.

Module 2: Music Technology - students learn about aspects of sound gear and technology and how to set it up, continued learning with Garageband, the basics of the iMovie app and the basics of recording in a studio.

Module 3: Composition - using technology to create electronic music.

Module 4: Music notation - done using software and sequencing.

Teacher in Charge: Mrs L Wigram

Contributions and Equipment/Stationery: It is recommended students purchase music workbooks provided in class (\$10), 1 x 2B pencil, eraser, highlighter.

10ARP - Year 10 Art – Painting

Recommended Cost \$30

Students will cover a range of drawing and painting skills, with a focus on artist models to develop their own techniques and ideas.

A range of the following activities are included: Collage/mixed media, Design, Drawing, Painting and Print making.

Teacher in Charge: Mr G Lindsay

Contributions and Equipment/Stationery: It is recommended students pay \$30 which covers the cost of the take home materials used in the course. A3 Visual diary, eraser, 6B pencil, sharpener, Coloured pencils, Scissors, Glue stick

10MTH - Year 10 Music – Theory

Recommended Cost \$10

This is a practical course focusing on a mix of music theory and notation, composition, practical music on a chosen instrument. The modules in Year 10 are streamlined to allow students to take music in Year 11 and look at the following:

Module 1: Film Music - this comprises examining why music is important in movies, how do we create the music, composing music for a movie clip and visiting the cinema to watch the chosen composer for the unit.

Module 2: Practical music - this module runs throughout the course and students have the opportunity to take part in instrumental workshops with specialist teachers. Students perform as part of a group and as an individual.

Module 4: Composition - using technology and notation software to create music. We use GarageBand and Sibelius and students learn other methods in addition to this.

Module 4: Music notation introducing key Level 1 ideas, understanding how the brain works with music - this runs throughout the course. Both classical and contemporary methods are used in class.

Teacher in Charge: Mrs L Wigram

Contributions and Equipment/Stationery: It is recommended students purchase music workbooks provided in class (\$10), 1 x 2B pencil, eraser, highlighter, trip costs TBA

English

Understanding, using, and creating oral, written, and visual texts of increasing complexity is at the heart of English teaching and learning. By engaging with text-based activities, students become increasingly skilled and sophisticated speakers and listeners, writers and readers, presenters and viewers.

Literacy in English gives students access to the understanding, knowledge, and skills they need to participate fully in the social, cultural, political, and economic life of New Zealand and the wider world. To be successful participants, they need to be effective oral, written, and visual communicators who can think critically and in depth.

By understanding how language works, students are equipped to make appropriate language choices and apply them in a range of contexts. Students learn to deconstruct and critically interrogate texts in order to understand the power of language to enrich and shape their own and others' lives.

10EN - Year 10 English

This is a full year course

Year 10 students follow a course which integrates the English curriculum strands of Reading, Writing, Oral language and Visual language. There is a strong on focus on student progression from their current curriculum level towards level 6.

Teacher in Charge: Mrs S Andrews

Contributions and Equipment/Stationery: 2 Exercise Books (1B5), A4 Display Book (40pg)

Health and Physical Education

Physical education applies a holistic approach to the concept of physical activity for young people. Students take part in a range of games, sports and adventure-based learning, which together teach inter-personal skills such as being inclusive and working in teams. Learning in physical education involves the acquisition of knowledge, concepts, skills, and attitudes central to physical education, together with recognition of its potential for integration with other curriculum areas.

The focus is on the well-being of the students themselves, of other people, and of society through learning in Health related and movement contexts. In health, students develop their understanding of the factors that influence the health of individuals, groups and society. In Physical Education, the focus is on movement and its contribution to the development of individuals and communities.

For any questions you can talk to Mrs Maclachan.

10HPE - Year 10 Physical Education & Health

Recommended Cost \$10

Physical education contributes to personal and social development. Students are involved in activities that require individual endeavour and interaction with others while learning and developing the skills, tactics, and strategies for various sports and activities.

The course involves participation in athletics, fitness, cross country, sport education, volleyball, gymnastics, multi-cultural dance, badminton, softball, cricket, touch and a variety of minor games centred around participation, challenge, confidence, cooperation, inclusion, and competence.

Health units in this course be a combination of the following topics:

- Sexuality
- Connected Technology
- Hauora
- Careers (The Real Game)

Teacher in Charge: Mrs E Walker

Contributions and Equipment/Stationery: Students must have the correct PE uniform as described in the uniform regulations, available online through the school website. Subject charge \$10 which covers the transport costs incurred in the course.

10ODE - Year 10 Outdoor Education

This course looks at students participating and assessing risk in a range of practical activities. This course is a chance for students to develop their skills, confidence and knowledge by experiencing low level risk through challenging activities and pursuits. These include but are not limited to kayaking, rock climbing, tramping, camping and mountain biking. To complete activities class periods and lunch times will be used, plus an overnight experience camping.

Teacher in Charge: Mrs J Smith

Contributions and Equipment/Stationery: Laptop/tablet OR 1 x 1B5

10HPB - Year 10 Physical Education - Learning through Sport

This course allows students to begin applying key concepts within a practical setting, in both individual and team sporting environments. Students will build a sound knowledge base to allow them to move into Year 11 Physical Education. This course involves participation in leadership, exercise physiology, fitness, water safety and team game units.

Teacher in Charge: Mrs M MacLachlan

Contributions and Equipment/Stationery: Laptop/tablet OR 1 x 1B5

Languages

The Languages Faculty encompasses four languages: Spanish, French, Te Reo Maori and Japanese. We teach how to speak the chosen language in a useful and appropriate way.

The majority of our students who learn a language or languages are complete beginners when they start in Year 9. Most languages can be studied through all Levels of NCEA.

Being bilingual or even multilingual bestows a distinct advantage upon our students for future studies and career opportunities. Many university faculties welcome a high level of competence in a second language as an indication of academic ability and are recommending a second language as a means of “having a difference, to stand out” from the majority of graduates.

Students who choose to learn and speak another language open doors to careers of wide diversity. Opportunities through business and commerce, law, medicine, the arts, teaching, engineering and architecture expand exponentially when another language is spoken.

In New Zealand’s increasingly multicultural society, it makes sense for those working in all professions and trades to be able to understand cultural differences and to appreciate them. Learning another language promotes awareness of the differences, and similarities, of those from other cultures that students will eventually work beside.

10SPA - Year 10 Spanish

Recommended Cost \$10

Students are encouraged to increase their ability to communicate both in oral and written everyday Spanish situations. Students learn to give and receive information in Spanish in a variety of topics, for example:

Shopping, asking and giving direction, talking about meals, buying drinks and food, talking about holiday, free time, home, clothes, music, TV,

The cultural emphasis at this level focuses on food, sports and Spanish dances.

It is preferable that students have studied Spanish in Year 9

Teacher in Charge: Mrs C Feuillade

Contributions and Equipment/Stationery: It is recommended that students pay an access fee of \$10 to enable them to log onto the Education Perfect website to assist with vocabulary homework.

10FRE - Year 10 French

Recommended Cost \$20

Students are encouraged to increase their ability to communicate both in oral and written everyday French situations. Students learn to give and receive information in French in a variety of topics, for example:

Shopping, asking and giving direction, talking about meals, buying drinks and food, talking about holiday, free time, home

The cultural emphasis at this level focuses on food, sports, celebrations and Paris.

Teacher in Charge: Mrs C Feuillade

Contributions and Equipment/Stationery: 1 3B1 Notebook, 2x Exercise Books (1B8), Coloured pencils, Blue & Black pens, Glue stick. It is highly recommended that students pay an access fee of \$20 to enable them to log onto the Language Perfect website to assist them with vocabulary homework.

Recommended Prior Learning:

Study at Year 9 level is preferable, but not essential.

10JAP - Year 10 Japanese

Recommended Cost \$20

A continuation from Year 9, students will revise the Hiragana script, with Kanji and Katakana as we cover those topics. Topics covered are: Revise introductions from Year 9 Myself, then move on to My classroom, My school, My school life, Weather, Food and Monthly culture events. Culture and language are taught through an integrated approach. Students may sit the Australian Language Examination First Certificate in August and enter the Education Perfect competitions.

Teacher in Charge: Ms R Ireland

Contributions and Equipment/Stationery: 2x 1E8 Exercise books. It is highly recommended that students pay an access fee of approximately \$20 to enable them to log onto the Language Perfect website.

Recommended Prior Learning:

Students who have not studied Japanese in Year 9 will need to be committed to doing a little catchup work in Year 10 by having to read and write 104 of the Hiragana script.

10MAO - Year 10 Te Reo Māori

Recommended Cost \$20

This full year course is for those students who aim to progress their knowledge/understanding of the Māori language and the wider aspects of Te Reo me ngā Tikanga Māori. This course covers Levels 2 to 5 of the New Zealand curriculum and also offers NCEA Level 1 credits. Some topics covered are:

- Hākinakina (Sports)
- Whaikōrero (Oratory)
- Manu Kōrero Speeches
- Leisure Activities
- Kura (School)
- Kāinga (Home)
- Waiata & Haka

Students will also have the opportunity to gain a Tikanga Level 1 Unit Standard (Describe and explain the separation of Ranginui and Papatūānuku in accordance with ngā kōrero tuku iho)

Teacher in Charge: Ms S Richards

Contributions and Equipment/Stationery: It is highly recommended that students pay an access fee of \$20 to enable them to log onto the Language Perfect website to assist them with vocabulary homework. 1x 1B5 exercise book. Travel to Manu Kōrero Speech Competition \$15.

Recommended Prior Learning:

It is preferable that students have studied Te Reo Māori in Year 9 or have attended Kohangareo, or Kura Kaupapa, or a Bi-lingual Māori school. We recommend that all students participate in Kapa Haka or Waka Ama to support and enhance their tikanga knowledge and ability to speak Māori.

10MPA - Year 10 Maori Performing Arts

This course will cover the basic skills required for Māori Performing Arts and Kapa Haka. Skills will cover theory of skills, and concepts behind performance. Students will be introduced to the use of patu and rākau as well as foot movements unique to Ngāti Tuwharetoa. Students will learn about the history of Kapa Haka and look at the variety of performing arts costumes and regalia. Students will also have the opportunity to gain a Toi Whakaari Māori Level 1 Unit Standard (Demonstrate knowledge of people associated with Maori Performing Arts).

Teacher in Charge: Mr G. Rameka

Recommended Prior Learning:

An interest in Māori Performing Arts/Kapa Haka.

Mathematics

Mathematics is all about ideas, principles and concepts. Knowledge of numbers (numeracy) is important as a foundation, but mathematics is much more than this. The reasoning required for Mathematics is used in all walks of life, from music to sport, from languages to sciences.

Our aim is to prepare our students' minds to appreciate the importance and usefulness of Mathematics. Taupo-nui-a-Tia Mathematics staff endeavour to provide a positive work environment where each student can develop their personal excellence.

Year 11, Year 12 and Year 13 students can choose from a variety of courses that will address their skills and specific needs. Their choices arise from the progress they have made during each previous year level. Real progress in Mathematics is attained by students fully participating in class, making the most of all the opportunities that are offered, and having a positive attitude toward their studies.

10MA - Year 10 Mathematics

Recommended Cost \$20

The course is based on Mathematics in the New Zealand Curriculum Level (4-6). The strands of Number and Algebra, Geometry and Measurement and Statistics and Probability are covered as well the mathematical processes of Problem Solving, Developing Logic and Reasoning, and Communicating Mathematical Ideas.

Emphasis will be given to the development of numeracy and algebraic skills. Students will be given opportunities to:

- Gain confidence and competence in the use of numbers.

- Develop the skills of measurement.

- Develop geometrical knowledge and skills associated with shape and space.

- Generalise from patterns and relationships.

- Manipulate data.

- Participate in real mathematical situations so as to see the use of mathematics in everyday life.

Teaching and learning in the classroom, and assessment, will reflect the needs and abilities of the students.

Teacher in Charge: Mr S Farrow

Contributions and Equipment/Stationery: It is recommended that students have a scientific calculator with a fraction key or a Casio FX 9750GA Plus graphics calculator if aiming to do 11 Mathematics 01, or 12 MAE. It is also recommended students purchase a \$20 licence to enable them to log on to Education Perfect. 2 Maths Book (1J8), Blue or black and red pen, pencil, rubber & ruler.

Science

Science requires curiosity, imagination and inspiration. In science we learn to investigate, understand and explain our world and the wider universe. We do this through the generation and testing of ideas and gathering of evidence in various ways. A good foundation in science enables problem solving and decision making in many areas of life.

Students need a basic understanding of science for many different career paths which will also help them cope with the challenges of technology in the world.

In the junior school we study the nature of science in the context of the living world, the material world, the physical world and planet Earth and beyond. In the senior school it is possible for students to specialise in one or more of the science disciplines.

10SC - Year 10 Science

Science at Year 10 aims to extend the science skills and capabilities introduced in Year 9. Units of work are based on the Nature of Science in the New Zealand Curriculum.

Science education covers a series of context based topics centred around the big ideas in science, which are offered throughout the year in suitably equipped laboratories.

Students continue to develop the science capabilities of: Gathering and interpreting information, Using evidence to support ideas, Critiquing evidence, Making meaning of scientific representations and Engaging with science.

Teacher in Charge: Mrs L Brown

Contributions and Equipment/Stationery: 1x 1B8 exercise book or computer, calculator, pencil, 30cm ruler, blue and black pens, highlighter

10SCB - Year 10 Science in the community

From the smallest atom to the outer reaches of the solar system, this course will explore a range of topics. Learn the knowledge and skills of scientists associated with contexts such as forensics, biotechnology, electronics, human biology, farming and many more topics. Learning could include group work, laboratory activities, fieldwork and student centred learning based on the nature of science strands and connected to our community.

Teacher in Charge: Mrs L Brown

Contributions and Equipment/Stationery: 2x 1B8, Calculator, pencil, 30cm ruler, blue and black pens, highlighter

Social Science

Through studying the social sciences, students develop the skills to engage as effective and responsible members of society. They acquire the skills to critically examine what they learn and draw conclusions after assessing the evidence. Theoretical components taught in the class are matched with various real-life activities that relate theory to practice. Students develop their ability to fit into society as responsible members, thereby contributing to their personal growth and development.

The Social Sciences faculty provides challenging learning programmes that meet the individual educational needs of all students in an authentic and engaging manner. We encourage students to draw on their prior knowledge in order to acquire a clear understanding of local, national and global issues.

Through the Social Sciences students are offered not only a window into New Zealand but the world in which they live and will contribute to in the future. Students develop a global perspective over the years they study in the Social Sciences faculty developing a tolerance and appreciation of others and their viewpoints and can confidently discuss and debate a range of issues.

All year 9 and 10 students will study social studies. The subject is about people and how and why in different contexts they think, feel and act. It is about how they organise their way of life, interact with others and their environment, initiate and respond to change; and how they meet their political, social, economic, legal and spiritual needs.

Students will develop their inquiry skills to access information, interpret this information and communicate their findings using a range of technologies to do so.

10SS - Year 10 Social Studies

The aim of our Social Studies programme is to enable students to participate in a rapidly changing society as informed, confident and responsible citizens, approaching issues using critical thinking skills. This will enable them to:

- Develop understanding of ideas about changing global societies as we enter a new technological age
- Appropriately contribute in local, national, and global communities
- Evaluate the sustainability of alternative social, economic, political and environmental practices
- Explore and analyse people's values and perspectives
- Engage critically with societal happenings through an ongoing current events programme.

Teacher in Charge: Mrs M Weston

Contributions and Equipment/Stationery: Coloured pencils, glue stick

10SSB - Year 10 Social Studies in the community

This course aims to give greater breadth and depth to a student's social science knowledge gained in the compulsory course, further developing the critical thinking skills required for the 21st century.

Investigate our ancient worlds and their influence on society today.

What do you want your future to look like?

We are living in a world of globalisation - how does this influence business and enterprise?

Build on this knowledge by creating and marketing a new product.

Teacher in Charge: Mrs M Weston

Contributions and Equipment/Stationery: Coloured pencils, glue stick

Technology

Technology is the intervention by design: the use of practical and intellectual resources to develop products and systems (technological outcomes) that expand human possibilities by addressing needs and realising opportunities.

Adaptation and innovation are the heart of the technological practice. Quality outcomes result from thinking and practices that are informed, critical and creative. Technology makes enterprising use of its own particular knowledge and skills, together with those of other disciplines. Graphics and other forms of visual representation offer important exploration for communication.

Each semester presents an opportunity to follow a specialised course of study in a technology specialism. The subjects offered will be product design technology (working with wood and metal), textiles technology (designing and making fashion related items), food technology (using food with a focus on nutrition), and computing (programming and web development). Each of these courses is designed to extend the students' technological competence and confidence and provide a useful foundation for the level 1-3 courses.

10DT - Year 10 Digital Technologies

Students choosing digital technologies pathways will develop the more specialised skills that industry partners say are in high demand. The new content covers two key areas, computational thinking and designing, and developing digital outcomes.

Computational thinking is about understanding the computer science principles that underlie all digital technologies, and learning how to develop instructions, such as programming, to control these technologies.

Designing and developing digital outcomes is about understanding that digital systems and applications are created for humans by humans, and developing knowledge and skills in using different digital technologies to create digital content across a range of digital media.

Teacher in Charge: Mrs C Fraser

Contributions and Equipment/Stationery: 8Gb USB flash drive

10RMW - Year 10 Resistant Materials – Wood

Recommended Cost \$45

Materials technology is an essential learning area in the New Zealand Curriculum and provides exciting opportunities for all students to develop and extend their ideas and to explore creative solutions to practical problems. Technology is challenging and rewarding, and open to everyone.

This course is intended for students interested in exploring different mediums of hard materials with an emphasis on using the material wood combined with joinery/carpentry processes. Students are encouraged to problem solve within the technological process and to develop skills in design and evaluation. Correct use of woodworking tools, machine and safety skills are an integral part of the course.

Teacher in Charge:

Contributions and Equipment/Stationery: It is recommended students pay \$45 which covers the cost of the take home materials used in the course.

A4 Visual diary (blank pages) or hard cover 2B8 exercise book.

10DVC - Year 10 Design & Visual Communication Recommended Cost \$25

This course enables students to realise the importance and relevance of design and graphical communication in today's technological society. The skills taught will promote student learning through a series of design related tasks and lead to a career pathway in a design related field. This course follows the New Zealand Curriculum and leads directly to NCEA Level 1.

Students will build on their knowledge and skills from Year 9 to cover a wider range of skills that include investigation, research, problem solving, and evaluation. Formal drawing skills are developed further, to enable more complex design tasks to be completed. Computer Aided Design (CAD) is introduced with students being able to develop 3D models and working drawing documentation for a design task.

Teacher in Charge: Mr R Forrest

Contributions and Equipment/Stationery: Students must supply their own pencils (draughting and colouring) as well as a compass. It is recommended that students pay \$25 which covers the cost of take home materials associated with the C02 Dragster Design and limited 3D printing, laser cutting and colour printing costs. A3 Visual Diary

10TM - Year 10 Textiles and Materials

Recommended Cost \$60

Students follow the technology process in product development to research, design and make a range of projects, using textile materials. Skills in this course will include the use of sewing machines and developing practical sewing skills. Although this is a hands-on practical course, it also leads to university entry subjects in technology.

Teacher in Charge: Mrs P Simmonds

Contributions and Equipment/Stationery: It is recommended students pay \$60 which covers the cost of the take home materials used in the course. 1x 20page A4 clearfile folder

10FN - Year 10 Food & Nutrition

Food Technology teaches students about the exciting world of food product development. Theoretical work will involve researching, designing, developing and evaluating food outcomes. Students will also examine current issues in food development and learn about conducting consumer research. Practical work will involve designing, trialing and developing own choice outcomes and the opportunity to get involved in experiments and consumer testing. The major goal of practical lessons is to create a varied practical skill base and a confident learner in the kitchen.

Students will learn about the science in food and what makes a successful product. They will use these skills to design, trial and develop a range of food products. This will involve research, designing, developing and evaluation of their food product.

Teacher in Charge: Mrs A Lamprecht

10RMM - Year 10 Resistant Materials – Metal

Recommended Cost \$45

Materials technology is an essential learning area in the New Zealand Curriculum and provides exciting opportunities for all students to develop and extend their ideas and to explore creative solutions to practical problems. Technology is challenging and rewarding, and open to everyone.

This course is intended for students interested in exploring different mediums of hard materials with an emphasis on using the material – metal, combined with engineering processes. Students are encouraged to problem solve within the technological process and to develop skills in design and evaluation. Correct use of engineering tools, machine and safety skills are an integral part of the course.

Teacher in Charge: Mr P Kemsley Smith

Contributions and Equipment/Stationery: It is recommended students pay \$45 which covers the cost of the take home materials used in the course. 1x 2B8 Exercise Book