

TUKUA O PUNGA

CURRICULUM COURSE GUIDE – LEVEL 2

Successful Learners – the only option





PLEASE TAKE THE TIME TO READ THROUGH THIS GUIDE SO YOU CAN MAKE INFORMED CHOICES ABOUT YOUR SUBJECTS AND QUALIFICATION PATHWAY

There are no compulsory subjects in Year 12 and progression/admission to Year 12 courses depends on students meeting the criteria of each subject.

Students at this year level study five subjects. During this year students may also start working towards University Entrance by obtaining the required 5 reading, 5 writing literacy and 10 numeracy credits. However, we realise that university is not the pathway for all students. There are many courses, apprenticeships and other trade related areas students can, and often do, move on to. These may involve work placements throughout the year in areas of interest to ascertain suitability.

In order to achieve NCEA Level 2, students must gain at least 60 credits from either Achievement Standards or Unit Standards and 20 co-requisites credits; 10 Numeracy, 10 Literacy, selected standards at Level 1 or Level 2.

NCEA co-requisite for literacy, numeracy, te reo matatini and pāngarau

- Learners will need to achieve a 20-credit co-requisite using either the new literacy and numeracy, te reo matatini and pāngarau standards or an approved list of literacy and numeracy-rich assessment standards to be awarded an NCEA.

- Learners need to complete the co-requisites once only. Learners will only be awarded a NCEA qualification once they have met the 20 credit co-requisites.

Students may also have their NCEA Endorsed with either Excellence or Merit. To do this, they must achieve 50 credits at Excellence (for Excellence) or 50 credits at either Merit or Excellence (for Merit).

- *Individual subjects may also be Achieved with Endorsement. This requires that the student, in the subject, and in that year, gains:*

- *14 or more credits at Merit or Excellence*

At least 3 credits must come from externally assessed standards and 3 from internally assessed standards.

It is essential that students consider the qualification(s) they wish to gain during their secondary schooling. Combinations of subjects may lead to NCEA Level 2 and National Certificates on the NZQA Qualification Framework.

During subject selection guidance is available from Whanau Teachers, Pou Arahi leader subject teachers, Careers staff and Senior Leaders.

University Entrance under NCEA is as follows:

- *10 credits at Level 1 or above in Numeracy*
- *5 credits at Level 2 or above in Reading*
- *5 credits at Level 2 or above in Writing*
- *14 credits at Level 3 or above in three Approved Subjects*
- *NCEA Level 3*

Additional Pathways of Learning

Te Kura (The Correspondence School) - These courses are offered to students who have New Zealand Citizenship and are wanting a subject where Tikipunga High School does not have a class. Te Kura subjects are delivered via online learning. Students work in a supervised classroom and have access to one-on-one teacher assistance. Students must submit work at least every month.

FarNet - FarNet is available to domestic and international students. Students study via a mix of the internet and Google ZOOM lessons with a distance tutor. This arrangement is useful where students have a clash on their timetable FarNet may also be available where Tikipunga High School is not offering a subject. FarNet students must regularly submit work to their tutors for feedback.

Te Kura and FarNet students need to be self-directed and may need to meet pre-requisites. **Contact person: Mr Benes.**

Gateway - Gateway is designed to support select Year 11 to Year 13 students' transition into the workforce by offering them workplace learning while at secondary school. This includes set unit standards for the student to work towards and achieve and a formal agreement between the school, the student and the workplace.

Te Tai Tokerau Trades Academy - Trades Academies are partnerships between schools, tertiary education organisations (TEOs) and employers. They aim to keep young New Zealanders engaged in education and training by creating a clear path between school and further education, training or employment. Closer alignment of schools, the tertiary education sector and industry helps to make the future workforce more responsive to local and national business and economic needs.

Contact persons: Whaea Rina and Bethany

Level 2 Courses 2027

SUBJECT	TIMETABLE CODE
Digital Art	L2DART
Biology	L2BIO
Chemistry	L2CHE
English	L2ENG
Health	L2HEA
Hospitality	L2HOS
Mathematics and Statistics	L2MSTA
Painting	L2PTG
Physics	L2PHY
Social Sciences	L2SOS
Sport and Recreation Management	L2REC
Te Reo Māori Me Ona Tikanga	L2TRM
ACADEMIES	
Automotive Academy	L2AUTO
Mana Marae Academy	L2MMA
Services Academy	L2SERV

How does NCEA work?

The National Certificate of Educational Achievement (NCEA) is New Zealand's main national qualification for secondary school students. It has been developed in keeping with the New Zealand Curriculum which focuses on learning by inquiry, critical thinking, problem solving and processing information.

Level 1
60 credits are required at Level 1 and 20 co-requisites credits.

Level 2
60 credits at Level 2.

Level 3
60 credits at Level 3.

Only NCEA Level 3 credits qualify students for tertiary entrance. Level 1 and Level 2 certificates do not qualify students for tertiary courses, unless at the discretion of a tertiary provider.

TIPS TO HELP YOU SELECT YOUR SUBJECTS

Set aside enough time
Give yourself plenty of time to select your subjects and use this Guide.

Think about what you enjoy
Interest and enthusiasm for your subjects are important motivators for study and success.

Pick a mix of subjects
Even if mathematics is your passion, try to choose at least one or two subjects from another area of study such as the arts or humanities. Many competitive university programmes are looking for a breadth of interests in their candidates.

Challenge your assumptions
If you decided on your ideal career or qualification while you were still in Year 9 or 10, think about whether your areas of interest are still the same now. Ask yourself which subjects you really enjoy and where else they could lead.

Look ahead – check prerequisites
If you know the subjects you want to take over the next couple of years and/or the university course you want to apply for, then research the prerequisites. Entry to some subjects and courses will depend on your subjects and achievement levels in previous years.

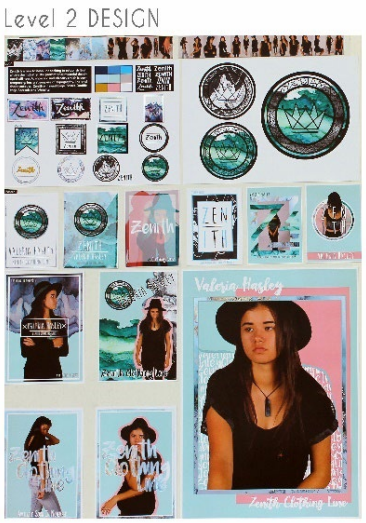
Ask for help
Visit the Careers Centre, talk to your teachers, ask your parents and family. Discuss your subject strengths and what you enjoy and ask them to share their ideas on subjects and career pathways.

DIGITAL ART (DART)

LEVEL 2 DIGITAL ART – Photography and Art Design

This course covers drawing using a wide range of media, photo-taking skills using DSLR camera, layout, digital illustration and studio lighting for various effects. Students will gain a comprehensive understanding of Adobe Photoshop and Illustrator.

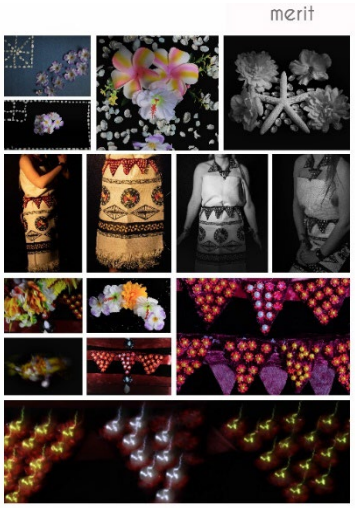
Students will complete the two internally assessed Achievement Standards which will build their skill base using both photography and design conventions. They will then select which discipline they will continue to develop for the externally assessed Achievement.





DESIGN





PHOTOGRAPHY

Internals	Description	Credits
91312	Use drawing methods to apply knowledge of conventions appropriate to photography	4
91315	Develop ideas in a related series of drawings appropriate to established design practice	4
Externals		
91320	Produce a systematic body of work that shows understanding of art making conventions and ideas within design	12
OR		
91322	Produce a systematic body of work that shows understanding of art making conventions and ideas within photography	12

BIOLOGY (BIO)

LEVEL 2 BIOLOGY

Akonga will broaden their biological knowledge, investigating the rocky shores of Aotearoa, learn how to evaluate biological information, how to use a microscope and produce biological drawings, carry out an investigation on osmosis, and prepare our understanding of genetics for the external examination, and for Level 3.

Internals	**Description**	**Credits**
91153	Carry out a practical investigation in a biology context, with supervision	4
91154	Analyse the biological validity of information presented to the public	3
91155	Demonstrate understanding of adaptation of plants or animals to their way of life	3
91158	Investigate a pattern in an ecological community, with supervision	4
91160	Investigate biological material at the microscopic level	3
External		
91157	Demonstrate understanding of genetic variation and change	4 (UE Lit Writing)

CHEMISTRY (CHE)

LEVEL 2 CHEMISTRY

Akonga will further their chemistry knowledge by carrying out experiments to identify ions in solutions, learning about electron transfer in REDOX reactions, find out how Aotearoa pioneered a novel process to make iron out of black sand, learn how to use a pipette and burette to perform quantitative analysis by titration, and to dive deeper into bonding, structure and energy changes in matter.

Internals	Description	Credits
91161	Carry out quantitative analysis	4
91163	Demonstrate understanding of the chemistry used in the development of a current technology	3
91167	Demonstrate understanding of oxidation-reduction	3
91911	Carry out an investigation into chemical species present in a sample using qualitative analysis	3
External		
91164	Demonstrate understanding of bonding, structure, properties and energy changes	5

ENGLISH (ENG)

LEVEL 2 ENGLISH

Students will engage with reading, writing and viewing activities. The course encourages a range of skills with differing texts. There is scope for students to select material and assessments to suit their strengths and interests. University entrance literacy requires 5 Reading and 5 Writing credits. Most of these can be gained through Level 2 English.

Students that have not yet gained Level 1 Literacy can gain this (10 credits) from all Level 2 English standards.

Internals	Description	Credits
91101	Produce a selection of crafted and controlled writing.	6 (UE Lit Writing)
91102	Construct and deliver a crafted and controlled oral text	3
91104	Analyse significant connections across texts, supported by evidence.	4
91106	Form developed personal responses to independently read texts, supported by evidence.	4 (UE Lit Reading)
External		
91099	Analyse specified aspects(s) of studied visual or oral text(s) supported by evidence.	4 (UE Lit Writing)

HEALTH (HEA)

LEVEL 2 HEALTH EDUCATION AND LIFE SKILLS – Ngā Pūkenga waiwai

Students will be able to design outcomes and make a difference in the health of their community.

Internals	Description	Credits
91237	Take action to enhance an aspect of people's well-being within the school or wider community	5
91239	Analyse issues related to sexuality and gender to develop strategies for addressing the issues	5
91236	Evaluate factors that influence people's ability to manage change	5

HOSPITALITY (HOS)

LEVEL 2 HOSPITALITY

This is a food based senior hospitality course, it is made up of level two hospitality unit standards. Students will further develop their understanding of ingredients, preparation, cooking and presentation of dishes appropriate for service in the hospitality industry. Students will explore a range of cooking techniques throughout the course.

Consider choosing this subject if you:

- Have an interest in developing your food preparation and presentation Skills
- Are interested in career pathways such as a baker, chef, cook, caterer, cafe worker, or food business owner.



The standards offered may be subject to change dependent on student needs, interests and strengths. Below is a list of standards that may be available.

Internals	Description	Credits
13271	Cook food items by frying.	2
13272	Cook food items by baking.	2
13276	Cook food items by grilling.	2
13280	Prepare fruit & vegetable cuts.	2
13281	Prepare & present basic sandwiches for service.	2
13283	Prepare and assemble and present salads for service	2
167	Practice food safety methods in a food business.	4

MATHEMATICS AND STATISTICS (MSTA)

LEVEL 2 MATHEMATICS AND STATISTICS

In this course students will study the mathematics and statistics that strengthen and prepare them for Level 3 mathematics and statistics. It is recommended that students who plan to take Level 2 mathematics and statistics should have 15 credits at Level 1 mathematics and statistics unless approval is given by the Leader of Learning.

Students that have not yet gained Level 1 Numeracy can gain this (10 credits) from all Level 2 mathematics standards.

Standards will be chosen from the following:

Internals	Description	Credits
91256	Apply co-ordinate geometry methods in solving problems.	2
91259	Apply trigonometric relationships in solving problems.	3
91260	Apply network methods in solving problems.	2
91268	Investigate a situation involving elements of chance using a simulation.	2
91264	Use statistical methods to make an inference.	4
91269	Apply systems of equations in solving problems.	3
Externals	**Optional**	
91262	Apply calculus methods in solving problems.	5
91267	Probability methods.	4

PAINTING (PTG)

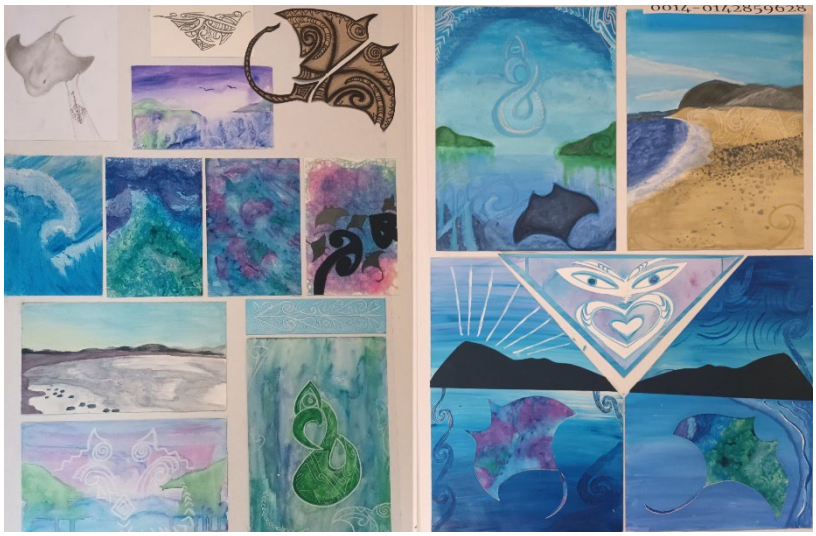
LEVEL 2 PAINTING

This course covers drawing using a wide range of media, painting processes and techniques.

Students will complete the two internally assessed Achievement Standards which will build their skill base using both painting and drawing conventions. They will select their best work to develop for the externally assessed Achievement Standard, 2x A1 folio boards.

Students will have the opportunity to achieve a total of 20 NCEA Level 2 credits by completing this course.

Students make own decisions around theme, subject matter and select their own influences and Artist Models.



Mairina Dunn-Neumann

Internals	Description	Credits
91311	Use drawing methods to apply knowledge of conventions appropriate to painting	4
91316	Develop ideas in a related series of drawings appropriate to established painting practice	4
Externals		
91321	Produce a systematic body of work that shows understanding of art making conventions and ideas within painting	12

PHYSICS

LEVEL 2 PHYSICS

Akonga explores the physics in some detail by carrying out a practical physics investigation leading to a non-linear mathematical relationship, develops an understanding of atomic and nuclear physics as portrayed on the 100-dollar note, combines rugby ball throwing and physics in a context related assignment, and choose between Waves and/or Mechanics for their external examination.

For students planning for a career as a sparky, there is an option to choose the external "Electricity and Electromagnetism" instead. It is not recommended to do more than two externals.

Internals	Description	Credits
91168	Carry out a practical physics investigation that leads to a non-linear mathematical relationship	4
91169	Demonstrate understanding of physics relevant to a selected context	3
91172	Demonstrate understanding of atomic and nuclear physics	3
Externals		
91170	Demonstrate understanding of waves	4
91171	Demonstrate understanding of mechanics	6
91173	Demonstrate understanding of electricity and electromagnetism	6

SOCIAL SCIENCES

LEVEL 2 SOCIAL SCIENCES

This is a multi-disciplinary course that can be modified to suit student interests. Subjects covered could include History, Social Studies, Media Studies and Psychology.

Levels	Description	Credits
91280 (Social Studies)	Students will conduct a reflective social inquiry	5 (UE Lit Reading)
91229 (History)	Students will carry out an inquiry of an historical event or place that is of significance to New Zealanders	4 (UE Lit Reading)
91255 (Media Studies)	Students will write developed media text for a specific target audience	3 (UE Lit Reading)
91845 (Psychology)	Students will examine a psychological debate that has changed over time	3 (UE Lit Writing)
	Optional Standards:	
91846 (Psychology)	Students will conduct psychological research with guidance	4 (UE Lit Reading)
91101 (English)	Produce a selection of crafted and controlled writing.	6 (UE Lit Writing)

SPORT AND RECREATION MANAGEMENT (REC)

LEVEL 2 SPORT AND RECREATION MANAGEMENT

Students will participate in a range of outdoor activities. Students will plan and deliver coaching sessions for our local community.

Consider choosing this subject if you enjoy practical outdoor activities.

Internals	Description	Credits
91330	Perform a physical activity in an applied setting.	4
91334	Consistently demonstrate social responsibility through applying a social responsibility model in physical activity.	3
20159	Gather and apply weather information to an outdoor activity.	2
22771	Plan a beginner level coaching session.	6
32840	Preparation for an outdoor activity assessment.	2

TE REO MĀORI ME ŌNA TIKANGA (TRM)

LEVEL 2 TE REO MĀORI ME ŌNA TIKANGA

Students will learn to take part in general conversation with speakers of Te Reo Māori, understand most of what is said, and contribute some relevant comments. They will explain and discuss their own ideas and opinions. They will read a variety of Te Reo Māori materials and write expressively for a range of purposes. Students use a range of strategies to help them learn Te Reo Māori effectively therefore, demonstrating a personal independence in Te Reo Māori.

Consider choosing this subject if you:

- demonstrate a genuine interest or passion in learning and continuing to develop knowledge and skill in Te Reo Māori and Tikanga Māori including Te Ao Haka as they are intertwined, and so learning Te Reo Māori will give students access to te ao Māori (the Māori world) and to Māori world views.

- have achieved at least 2 Internal Achievement Standards at Level 1 in Te Reo Māori.

The teacher and students will co-construct the course depending on interests and strengths. The standards will be chosen from the following:

Internal	Description	Credits
91981	Perform a Te Ao Haka item to respond to a local kaupapa	6 (UE Lit Reading)
91980	Create a section of a Te Ao Haka item	6 (UE Lit Reading/Writing)
91288	Waihanga tuhinga auaha, i te reo o te ao torotoro.	4 (L1 Lit, Te Reo Matatini & (UE Lit Writing)
External		
91286	Pānui kia mōhio ki te reo o te ao torotoro	6 (L1 Lit, Te Reo Matatini & (UE Lit Reading)
Optional:		
16139	Describe a kingitanga hui	6

AUTOMOTIVE ACADEMY (AUTO)

LEVEL 2 AUTOMOTIVE ACADEMY

This course is delivered over **THREE** option lines. Students will attend work experience during the year.

The Automotive Academy supports foundational knowledge of the automotive industry. Students work towards NCEA level 2, the Vocational Pathway Award in Manufacture & Technology and is designed for students looking at entering the trades industry on leaving school.

Consider applying for this academy if you:

- Have a strong interest in the automotive industry.
- Interested in getting into a trade when you leave school.
- Are looking for a practical hands-on (along with theory) learning experience.

Entry into the Automotive Academy will be by application. Applications will open in October this year for any student who will be Year 12 or 13 in 2027. All applicants will be interviewed as part of the selection process with successful applicants being notified by the end of the school year. ***Students need to achieve L1 Numeracy & Literacy as a prerequisite for this programme.***

Students considering applying should be comfortable with the following:

- Attend all trades courses throughout 2027
- Maintain at least an 80% attendance record
- Be in correct uniform at all times
- Regard health & safety of self and others a top priority
- Behave in a way that promotes the values of the school

Students who are happy with the above will find the Automotive Academy a highly challenging and practical programme that rewards effort and prepares you for the future.

Standards may be subject to change dependant on course availability, student strengths and interests.

Internals	Title	Level	Credits
229	Identify the general locations and functions of motor vehicle systems and main components	2	4
3271	Suppress fire using hand extinguishers and fixed hose reels	2	1
4251	Plan a career Pathway	3	2
4261	Identify legal rights and obligations in relation to motor vehicle ownership and operation	2	3
4647	Demonstrate knowledge of the basic principles of fire science	2	1
12349	Demonstrate knowledge of time management	2	3
15408	Demonstrate knowledge of motor vehicle documentation and primary systems of a vehicle	2	4
21668	Demonstrate knowledge of cleaning automotive components	2	2
21674	Demonstrate knowledge of terminology used in the motor industry	2	2

21679	Demonstrate knowledge of interchanging and balancing road wheels in the motor industry	2	2
21684	Use a MIG welding plant in the motor industry	3	3
21685	Use an oxy-acetylene welding process in the automotive industry	2	3
21701	Demonstrate knowledge of exterior and interior motor body parts in the automotive industry	2	2
21718	Demonstrate knowledge of hazardous material used in the automotive industry	2	2
29579	Demonstrate knowledge of good work habits and safe work practices in the automotive industry	2	4
30435	Demonstrate knowledge of vehicle emissions	3	4
30436	Demonstrate knowledge of an electronic fuel injection (EFI) system	3	2
30475	Demonstrate knowledge of motor industry engineering tasks	2	2
30478	Demonstrate knowledge of automotive lubricants	2	2
30480	Demonstrate knowledge of automotive cooling systems and engine coolant	3	2
30566	Demonstrate knowledge of steering and suspensions systems	3	2
30568	Demonstrate knowledge of brake systems	3	4
30570	Demonstrate knowledge of welding in the motor industry	3	3

MANA MARAE ACADEMY (MMA)

LEVEL 2 MANA MARAE ACADEMY

A Level 2 graduate from the Mana Marae Academy will demonstrate ability to:

- Perform and deliver a wider range of Marae Kaupapa and tikanga. Experiences include kapa haka, cultural tours, local noho marae, sharing unique stories about local places, people and activities that are popular among international and local visitors.
- Further promote student lead sharing of local hitori, purakau, tikanga in a variety of context that validates Te Ao Māori and aligns with a variety of Horopaki Māori.

Carry out practical tasks on the Marae as required safely and with an understanding of current health and safety practices within the workplace or outdoor environment. Students have developed cultural safety practices and tikanga relevant to the situation.

Acquire transferable workplace skills, attitudes, behaviours and tikanga practice pertinent to Marae base hosted activities.

Develop a deeper understanding of concepts, knowledge, experiences and associated tikanga in relation to themselves and Marae.

Further discussion about standard selection can be discussed with the Leader of Learning.

Level 2 graduate from Mana Marae Academy will be working towards:

- Gaining entry to the Level 3 programme
- Working towards a Māori Tourism award
- Gaining entry to industry specific tertiary programme i.e. QRC
- Will achieve UE entry over the two year programme

Internals	Description	Credits
	Te Reo Māori	
91981	Perform a Te Ao Haka item to respond to a local kaupapa	6 (UE Lit Reading)
91288	Waihanga tuhinga auaha, i te reo o te ao torotoro	6 (L1 Lit, Te Reo Matatini & (UE Lit Writing)
31287	**Optional:** Prepare and provide kai service, as part of a team and under supervision, for manuhiri	8
16142	Describe the practices associated with a pōwhiri	2
17786	Explain tikanga in Tourism Māori	6
31505	Explain the use of karakia relevant to a kaupapa	3
31506	Explain the use of waiata relevant to a kaupapa	3
	Mana Marae **(Externally sourced standards to be confirmed)**	
US6401	Provide first aid	1
US6402	Provide basic life support	1

SERVICES ACADEMY (SERV)

LEVEL 2 SERVICES ACADEMY

Services will be run over **one or two** option lines

Students will develop their strength of character. They will have opportunities to represent Tikipunga High School at military courses run by NZDF personnel.

Consider choosing this subject if you:

- are considering a career in the NZDT
- are looking for an alternative education programme that includes outdoor and physical challenges

Entry into the Services Academy for 2027 will be by application. Applications will open in October this year for any student who will be in Year 12 2027. All applicants will be interviewed as part of the selection process with successful applicants being notified by the end of the school year.

Students considering applying should be comfortable with the following:

- Attend all NZDF Courses throughout 2027
- Maintain at least an 80% attendance record
- Be in correct uniform at all times
- Behave in a way that promotes the values of the school
- Be prepared to do Physical Training (PT) each day, regardless of weather conditions

Students who are happy with the above will find the Services Academy a highly challenging and practical program that rewards effort and prepares you for the future.

Students may be offered the opportunity to complete vocational (external provider) courses aligned to individual needs.

Ma mahi, ka ora - By work we prosper

Internals	Description	Credits
9677	Participate in a team or group which has an objective	3
32847	Demonstrate and apply knowledge of basic concepts of kaitiakitanga for outdoor recreation	2
32843	Whakatipu Tangata/Personal Contribution to an outdoor activity	3
24098	Demonstrate and apply knowledge of basic foot drill	5
26249	Demonstrate skills for an overnight cam	2
32835	Demonstrate knowledge of weather information, introductory survival skill, and the use of maps in the outdoors	3
32840	Demonstrate knowledge of preparation for an outdoor activity	3