

SOUTH GRAFTON HIGH SCHOOL

# Gifted and Talented Extension Opportunities

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Part 1

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## **Aboriginal Heritage and Identity**

**Title:** in contemporary Australia, indigenous identity is expressed in many ways including music, television, film, literature, dance, sport, politics, art and drama. This can be in a traditional or contemporary form, or even a mix of both. Choose ONE of these areas of interest to you. Identify an individual or example of the form that you find helps develop your sense of identity and another that does not. Explain why you respond to these individuals or examples the way that you do.

**Audience:** This presentation will be reviewed by staff in the Cultural Centre and your supervisor.

**Method of delivery:** Your completed work should be presented electronically as a written report. Where possible you should include the example of the form you are referring to as an appendix.

**Supervisor:** Mr Johnstone

**Assessment:** Your task will be assessed against the following criteria:

- Evidence of research
- Effectiveness of the communication
- Understanding of identity and its relationship to indigenous heritage.

If you are interested in finding out about this or any other Gifted and Talented Extension Opportunity please see Mr Johnstone.

## **Working with Aboriginal Communities**

**Title:** Recognising the problems that have occurred worldwide as a result of Aboriginal contact with other cultures, modern governments follow a set of protocols when working with indigenous communities. This is true in Australia where consultation with the local community is expected before any Aboriginal activity. Your task is to review these protocols and explain them in your own words. Then speak with appropriate local elders and discuss what they see as appropriate protocol for the Clarence Valley. Do the two sets of expectations match up?

Use this research to create a handbook "Working with the Aboriginal Community at SGHS" which will be continually updated and used with the senior Aboriginal Studies course.

**Audience:** This presentation will be reviewed by staff in the Cultural Centre and your supervisor.

**Method of delivery:** Your completed work should be presented electronically.

**Supervisor:** Mr Johnstone

**Assessment:** Your task will be assessed against the following criteria:

- Evidence of research
- Evidence of consultation
- Effectiveness of the communication
- Identification of local protocol

If you are interested in finding out about this or any other Gifted and Talented Extension Opportunity please see Mr Johnstone.

## Purchasing Agricultural Equipment

**Title:** *The school always needs to consider the best possible equipment to use in the school. There are many considerations for what makes an appropriate purchase. Choose ONE of the following products to investigate:*

- a tractor
- a ride-on mower
- a chemical spray unit
- a storage shed
- fencing equipment
- an agricultural bike

Create a report recommending a particular purchase to give to the HT Science, GA and Principal. The report should cover:

- Product features
- Product benefits
- Work Health & Safety considerations
- Maintenance requirements
- Financial considerations
- Why the product is better than competitors
- Where the product can be purchased

**Audience:** This presentation will be reviewed by your supervisor as a word processed report.

**Method of delivery:** Your completed work should be presented electronically.

**Supervisor:** Mr Johnstone

**Assessment:** Your task will be assessed against the following criteria:

- Evidence of research
- Effectiveness of the communication
- Identification of features, benefits and maintenance issues
- Identification of work health and safety considerations
- Comparisons with other similar products

If you are interested in finding out about this or any other Gifted and Talented Extension Opportunity please see Mr Johnstone.

## **Alien Life**

**Title:** Some people believe that life exists on other planets and/or in other solar systems and/or in other galaxies. You are tasked to investigate the possibility of alien life in any way you choose.

**Audience:** You may choose to present your report to other students, teachers, parents or members of the public. You may choose to work as an individual, but are encouraged to work in a small group or a team.

**Method of delivery:** You may choose to present your report in any way you deem appropriate to your audience. For example, it could be written, via a public speech or presentation, it could be musical or be delivered in a drama or dance.

**Supervisor:** Depending on your chosen method of presentation and content this could be any member of staff of your choice.

**Assessment:** This is an open ended and self-directed task. Only you will know when your task has been accomplished to your satisfaction. Your supervisor will evaluate your performance with the audience (if appropriate). If this task is accomplished well it will lead to awards within the school rewards system. Exceptional pieces of work may lead to recognition outside South Grafton High School.

If you are interested in finding out about this or any other Gifted and Talented Extension Opportunity please see Mr Johnstone.

## Understanding Belief

**Title:** Sociologists and anthropologist who focus on studying belief have adopted two very different perspectives. The first is phenomenological. In this approach, similarities are drawn between beliefs such as that they all have a holy book, rituals, a religious leader, a sacred space and a statement of faith. A second is the idea of a living belief system – an expression of a set of ideas that are true to believers and shown in cultural forms such as art and music as well as in the life of individuals. Your task is to decide your position on the debate – which do you find a more useful way to understand belief? Create a dramatic presentation or a record a speech presenting your opinion with reference to a belief system you are familiar with.

**Audience:** Your presentation will be used as part of subject promotions for the HSC Studies of Religion course we offer at the school.

**Method of delivery:** Your completed work should be presented electronically.

**Supervisor:** A teacher of your choice.

**Assessment:** Your task will be assessed against the following criteria:

- Your understanding of the two approaches to study
- The relevance of your examples to your argument
- Effectiveness of your communication

If you are interested in finding out about this or any other Gifted and Talented Extension Opportunity please see Mr Johnstone.

## Apollo 13

**Title:** Apollo 13 was to have been the third moon landing by people. However on April 13<sup>th</sup> 1970 an oxygen bottle exploded and severely damaged the spacecraft. You are tasked with investigating the circumstances of the incident and how the crew were saved.

**Audience:** You may choose to present your report to other students, teachers, parents or members of the public. You may choose to work on this task individually, but are encouraged to work as a small group or team.

**Method of delivery:** You may choose to present your report in any way you deem appropriate to your audience. For example, it could be written, via a public speech or presentation, it could be musical or be delivered in a drama or dance.

**Supervisor:** Depending on your chosen method of presentation and content this could be any member of staff of your choice.

**Assessment:** This is an open ended and self-directed task. Only you will know when your task has been accomplished to your satisfaction. Your supervisor will evaluate your performance with the audience (if appropriate). If this task is accomplished well it will lead to awards within the school rewards system. Exceptional pieces of work may lead to recognition outside South Grafton High School.

If you are interested in finding out about this or any other Gifted and Talented Extension Opportunity please see Mr Johnstone.



## Archaeological Discoveries

**Title:** Archaeology is the science underpinning much of our knowledge of history, especially the ancient and prehistoric world. However if it is not done properly, the historian can run into many problems. Your task is to investigate ONE significant archaeological discovery. It can be an artefact, a site or a part of a site. Your investigation needs to answer the following questions:

- What is the archaeological discovery? Describe the artefact or site including relevant maps, diagrams and photographs.
- Where was the discovery made? Locate the discovery in the world and the related excavation
- How was the discovery made? Identify if it was deliberate or accidental, the people involved and the process they followed
- When was the discovery made and investigations carried out?
- Why is the discovery considered significant? Identify historians' opinions about the discovery's importance. Explain whether you agree or not.

**Audience:** On completion, you will be asked to present your findings to a class studying the topic related to your investigation. This can be an individual, pair or team task.

**Method of delivery:** This can be as a pre-recorded digital presentation or live to a class as teacher for the day.

**Supervisor:** Mr Johnstone

**Assessment:** You will be assessed using the following criteria:

- Evidence of wide research
- Effectiveness of communication
- Evidence of critical thinking
- 

If you are interested in finding out about this or any other Gifted and Talented Extension Opportunity please see Mr Johnstone.

## Archaeological Mistakes

**Title:** Archaeology is the science underpinning much of our knowledge of history, especially the ancient and prehistoric world. However if it is not done properly, the historian can run into many problems. Your task is to investigate ONE archaeological fraud or misinterpretation. Your investigation needs to answer the following questions:

- What is the archaeological mistake? Describe the artefact or site including relevant maps, diagrams and photographs and what was wrongly understood.
- How has the mistake been explained?
- What do we now know about the discovery?
- Who were involved in the investigations?
- What has been the effect of uncovering the mistake?

**Audience:** Present your investigations as a report to be used by the Preliminary Ancient History class as part of their coursework. Your research will be used as stimulus materials for their learning about ethics in archaeology. This can be an individual, pair or team task.

**Method of delivery:** Word processed report in digital format.

**Supervisor:** Mr Johnstone

**Assessment:** You will be assessed using the following criteria:

- Evidence of wide research
- Effectiveness of communication
- Evidence of critical thinking
- 

If you are interested in finding out about this or any other Gifted and Talented Extension Opportunity please see Mr Johnstone.

## Assassination!

**Title:** The murder of important political leaders has been a common event in world history – ancient, medieval, modern and contemporary. Choose ONE assassination to investigate using online of the following tasks:

- a) *Investigate the assassin. What was their background? What was their role in events? What happened to them after the murder?*
- b) *Many assassinations are tied in with conspiracy theories. How plausible is one of these explanations?*
- c) *What was the leader trying to do before their assassination? What was the effect of their death for the country they were in?*

*Some examples you could chose include John Fitzgerald Kennedy, Julius Caesar, Indira Gandhi, Mohandas Gandhi, Alexander II of Russia, Shaka of the Zulus, Anwar Sadat, Abraham Lincoln, Yitzhak Rabin, Park Chung Hee, Aung Sun, Birendra of Nepal, Pemulwy, John Newman, Archduke Franz Ferdinand, Michael Collins, Mussolini.*

**Audience:** Your answers will be reviewed by your supervisor as a word processed document. This task can be completed individually, in pairs or as small groups.

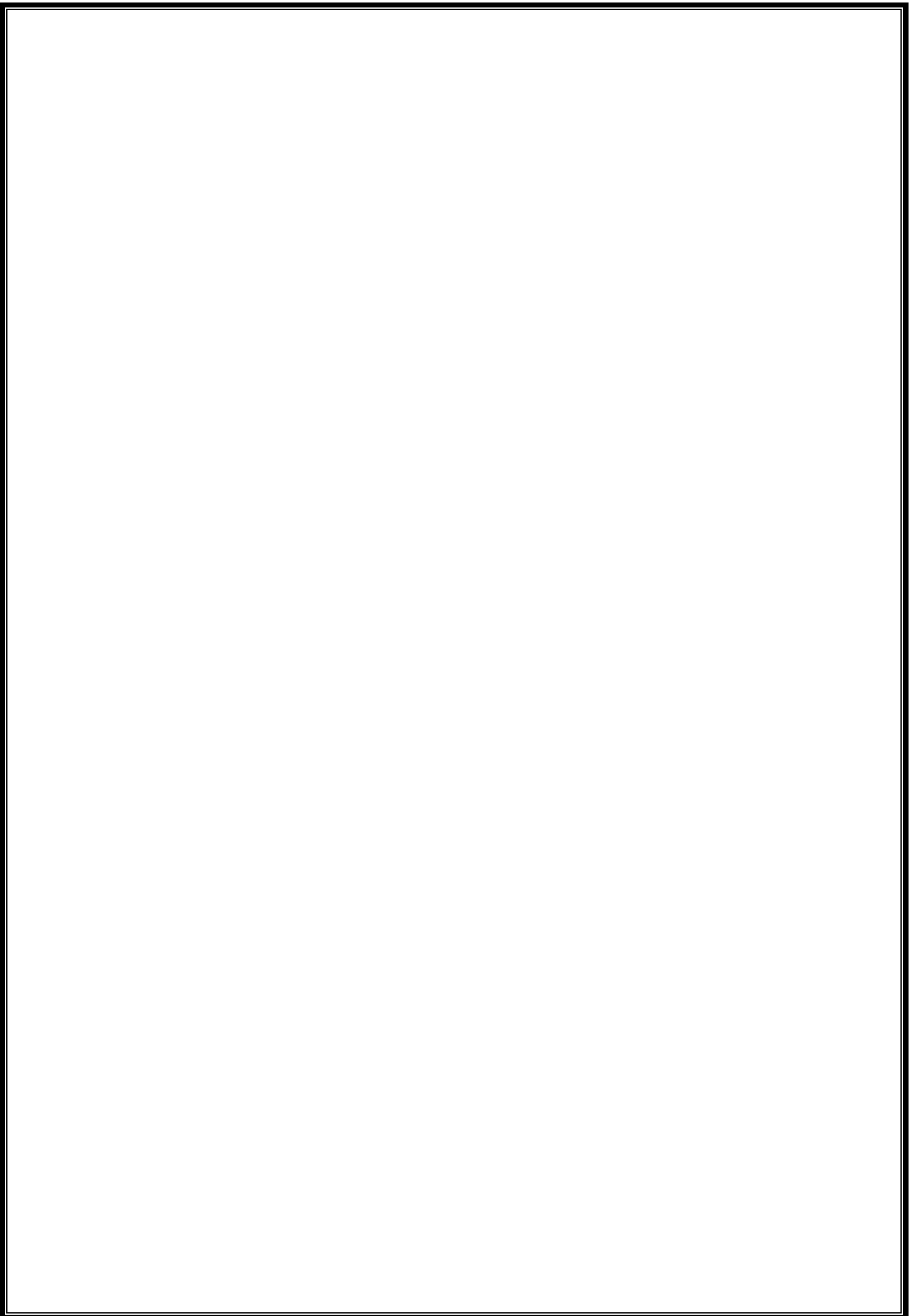
**Method of delivery:** Your completed work should be presented electronically.

**Supervisor:** Mr Johnstone

**Assessment:** Your task will be assessed against the following criteria:

- Ability to engage with the issue in the question
- Depth of understanding
- Effectiveness of the communication
- Balance between narrative and answering the question

If you are interested in finding out about this or any other Gifted and Talented Extension Opportunity please see Mr Johnstone.



## **Babylon**

**Title:** The ancient city of Babylon is thought to have been founded in 2300BC and became the largest city in the world under King Nebuchadnezzar II around 600BC. You are tasked with investigating the rise and fall of Babylon and what is known about the hanging gardens of Babylon, one of the seven ancient wonders of the world.

**Audience:** You may choose to present your report to other students, teachers, parents or members of the public. You may choose to work on this task individually, but are encouraged to work as a small group or team.

**Method of delivery:** You may choose to present your report in any way you deem appropriate to your audience. For example, it could be written, via a public speech or presentation, it could be musical or be delivered in a drama or dance.

**Supervisor:** Depending on your chosen method of presentation and content this could be any member of staff of your choice.

**Assessment:** This is an open ended and self-directed task. Only you will know when your task has been accomplished to your satisfaction. Your supervisor will evaluate your performance with the audience (if appropriate). If this task is accomplished well it will lead to awards within the school rewards system. Exceptional pieces of work may lead to recognition outside South Grafton High School.

If you are interested in finding out about this or any other Gifted and Talented Extension Opportunity please see Mr Johnstone.

## The Norman Conquest

**Title:** On 14<sup>th</sup> October 1066 the army of the Norman King William I invaded England and attacked the army of the English King Harold at Hastings. You are tasked to investigate the Battle of Hastings and its aftermath.

**Audience:** You may present your report to your supervisor, other teachers, other students or members of the wider community.

**Method of delivery:** Your report may be presented in any way appropriate to your audience. You may choose to give a written report, a presentation, a piece of artwork, a dance or drama.

**Supervisor:** Any teacher of your choice.

**Assessment:** Your task will be assessed by your supervisor where appropriate in conjunction with your audience. Good pieces of work will receive rewards on the school award scale. Exceptional pieces of work may be credited to you on the school website or with the wider community.

If you are interested in finding out about this or any other Gifted and Talented Extension Opportunity please see Mr Johnstone.

## The Battle of the Coral Sea

**Title:** The Battle of the Coral Sea was fought between the Japanese on one side and the Australians and Americans on the other between the 4<sup>th</sup> and 8<sup>th</sup> May 1942. Investigate the Battle of the Coral Sea.

**Audience:** You may choose to present your report to other students, teachers, parents or members of the public. You may choose to work on this task individually, but are encouraged to work as a small group or team.

**Method of delivery:** You may choose to present your report in any way you deem appropriate to your audience. For example, it could be written, via a public speech or presentation, it could be musical or be delivered in a drama or dance.

**Supervisor:** Depending on your chosen method of presentation and content this could be any member of staff of your choice.

**Assessment:** This is an open ended and self-directed task. Only you will know when your task has been accomplished to your satisfaction. Your supervisor will evaluate your performance with the audience (if appropriate). If this task is accomplished well it will lead to awards within the school rewards system. Exceptional pieces of work may lead to recognition outside South Grafton High School.

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## **Battle of Trafalgar**

**Title:** On 21<sup>st</sup> October 1805 a British fleet under the command of Admiral Horatio Nelson engaged the combined French and Spanish fleets in a sea battle. You are tasked to investigate this battle and its aftermath to your satisfaction.

**Audience:** You may present your report to your supervisor, other teachers, other students or members of the wider community.

**Method of delivery:** Your report may be presented in any way appropriate to your audience. You may choose to give a written report, a presentation, a piece of artwork a dance or drama.

**Supervisor:** Any teacher of your choice.

**Assessment:** Your task will be assessed by your supervisor where appropriate in conjunction with your audience. Good pieces of work will receive rewards on the school award scale. Exceptional pieces of work may be credited to you on the school website or with the wider community.

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## **Biography**

**Title:** A biography is the account of someone's life written by someone else. You are tasked to create a biography of someone important or interesting to you. If you wish you may choose a political leader, a celebrity, someone in history or a member of your family.

**Audience:** You may choose to present your report to other students, teachers, parents or members of the public. You may choose to work on this task individually, but are encouraged to work as a small group or team.

**Method of delivery:** You may choose to present your report in any way you deem appropriate to your audience. For example, it could be written, via a public speech or presentation, it could be musical or be delivered in a drama or dance.

**Supervisor:** Depending on your chosen method of presentation and content this could be any member of staff of your choice.

**Assessment:** This is an open ended and self-directed task. Only you will know when your task has been accomplished to your satisfaction. Your supervisor will evaluate your performance with the audience (if appropriate). If this task is accomplished well it will lead to awards within the school rewards system. Exceptional pieces of work may lead to recognition outside South Grafton High School.

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## The Black Death

**Title:** It is believed that up to 200 000 000 people died of bubonic plague in Europe during the 14<sup>th</sup> Century which was about half the population of Europe at the time. Investigate bubonic plague and/or the black death.

**Audience:** You may choose to present your report to other students, teachers, parents or members of the public. You may choose to work on this task individually, but are encouraged to work as a small group or team.

**Method of delivery:** You may choose to present your report in any way you deem appropriate to your audience. For example, it could be written, via a public speech or presentation, it could be musical or be delivered in a drama or dance.

**Supervisor:** Depending on your chosen method of presentation and content this could be any member of staff of your choice.

**Assessment:** This is an open ended and self-directed task. Only you will know when your task has been accomplished to your satisfaction. Your supervisor will evaluate your performance with the audience (if appropriate). If this task is accomplished well it will lead to awards within the school rewards system. Exceptional pieces of work may lead to recognition outside South Grafton High School.

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## Cane Toads

**Title:** Cane Toads were introduced into Australia in 1935 to try to control cane beetles that were damaging sugar cane. They have become a problem in many parts of Australia. Investigate the introduction and spread of cane toads, discussing methods that could be used to control their spread.

**Audience:** You may present your report to your supervisor, other teachers, other students or members of the wider community.

**Method of delivery:** Your report may be presented in any way appropriate to your audience. You may choose to give a written report, a presentation, a piece of artwork a dance or drama.

**Supervisor:** Any teacher of your choice.

**Assessment:** Your task will be assessed by your supervisor where appropriate in conjunction with your audience. Good pieces of work will receive rewards on the school award scale. Exceptional pieces of work may be credited to you on the school website or with the wider community.

If you are interested in finding out about this or any other Gifted and Talented Extension Opportunity please see Mr Johnstone.

## Capital Cities of the World

**Title:** There are between 189 and 196 countries in the world – it all depends what is called a country. You are tasked with learning some or all of the capital cities of the 192 countries recognised by the United Nations.

**Method:** There are several ways that you could learn these capitals from learning from a list to perhaps using an app on your phone.

**Supervisor:** Mr Johnstone

**Assessment:** This task will be assessed by Mr Johnstone by means of a test. Your score will determine your grade.

If you are interested in finding out about this or any other Gifted and Talented Extension Opportunity please see Mr Johnstone.

## **Carbon Fibre**

**Title:** Carbon fibre composites are being used to make an increasing number of items from bicycle frames to aircraft. Investigate carbon fibre composites.

**Audience:** You may choose to present your report to other students, teachers, parents or members of the public. You may choose to work on this task individually, but are encouraged to work as a small group or team.

**Method of delivery:** You may choose to present your report in any way you deem appropriate to your audience. For example, it could be written, via a public speech or presentation, it could be musical or be delivered in a drama or dance.

**Supervisor:** Depending on your chosen method of presentation and content this could be any member of staff of your choice.

**Assessment:** This is an open ended and self-directed task. Only you will know when your task has been accomplished to your satisfaction. Your supervisor will evaluate your performance with the audience (if appropriate). If this task is accomplished well it will lead to awards within the school rewards system. Exceptional pieces of work may lead to recognition outside South Grafton High School.

If you are interested in finding out about this or any other Gifted and Talented Extension Opportunity please see Mr Johnstone.

## Castles through the ages

**Title:** Castles are common across Europe and many other parts of the world. Investigate castles and how their design changed throughout history.

**Audience:** You may choose to present your report to other students, teachers, parents or members of the public. You may choose to work on this task individually, but are encouraged to work as a small group or team.

**Method of delivery:** You may choose to present your report in any way you deem appropriate to your audience. For example, it could be written, via a public speech or presentation, it could be musical or be delivered in a drama or dance.

**Supervisor:** Depending on your chosen method of presentation and content this could be any member of staff of your choice.

**Assessment:** This is an open ended and self-directed task. Only you will know when your task has been accomplished to your satisfaction. Your supervisor will evaluate your performance with the audience (if appropriate). If this task is accomplished well it will lead to awards within the school rewards system. Exceptional pieces of work may lead to recognition outside South Grafton High School.

If you are interested in finding out about this or any other Gifted and Talented Extension Opportunity please see Mr Johnstone.

## Collecting for a charity

**Title:** Is there a charity that you would like to support? Your task is to choose a charity and raise as much money as you can for their cause. As part of this project you should also find ways to publicise the charity among the school and local community.

**Audience:** You may choose to work on this task individually, but are encouraged to work as a small group or team.

**Method of delivery:** You are encouraged to raise money for your chosen charity in imaginative and original ways but should discuss these first with your supervisor.

**Supervisor:** Depending on your choice of charity this could be any member of staff of your choice.

**Assessment:** This is an open ended and self-directed task. Only you will know when your task has been accomplished to your satisfaction. Your supervisor will evaluate your performance by the amount of money raised, the methods chosen to raise money and the increase in awareness of the charity in our community.

If you are interested in finding out about this or any other Gifted and Talented Extension Opportunity please see Mr Johnstone.

## Cheating in Sport

**Title:** In 2012 Lance Armstrong, a famous cyclist and a hero to many was found to have cheated in achieving his seven Tour de France victories. In 2015 Russia was accused of widespread cheating in athletics. Investigate cheating in Sport.

**Audience:** You may choose to present your report to other students, teachers, parents or members of the public. You may choose to work on this task individually, but are encouraged to work as a small group or team.

**Method of delivery:** You may choose to present your report in any way you deem appropriate to your audience. For example, it could be written, via a public speech or presentation, it could be musical or be delivered in a drama or dance.

**Supervisor:** Depending on your chosen method of presentation and content this could be any member of staff of your choice.

**Assessment:** This is an open ended and self-directed task. Only you will know when your task has been accomplished to your satisfaction. Your supervisor will evaluate your performance with the audience (if appropriate). If this task is accomplished well it will lead to awards within the school rewards system. Exceptional pieces of work may lead to recognition outside South Grafton High School.

If you are interested in finding out about this or any other Gifted and Talented Extension Opportunity please see Mr Johnstone.



## Clarence Valley Tourism Brochure

**Title:** There are many opportunities for tourism in the Clarence Valley and our council is looking to increase the number of tourists visiting our area. You are tasked with creating a brochure for people of your age that will encourage them to visit.

**Audience:** Your audience is people of your age who come from another part of Australia or the world. You may choose to work on this task individually, but are encouraged to work as a small group or team.

**Method of delivery:** You will probably create a printed brochure, but it could be an electronic brochure for a platform such as YouTube showing the places you recommend, or could involve a drama or dance.

**Supervisor:** Depending on your choice of delivery this could be any member of staff of your choice.

**Assessment:** This is an open ended and self-directed task. Only you will know when your task has been accomplished to your satisfaction. You will be assessed on the originality and quality of your brochure. If the task is completed it will lead to a reward on the school award system. Exceptional pieces of work will be shown to the Clarence Valley Council.

If you are interested in finding out about this or any other Gifted and Talented Extension Opportunity please see Mr Johnstone.

## **Clarence Valley statistics**

**Title:** Use the Australian Bureau of Statistics to investigate the characteristics of the Clarence Valley and compare them to other areas of Australia or the world. What do these comparisons tell you about the Clarence Valley?

**Audience:** You may choose to present your report to other students, teachers, parents or members of the public. You may choose to work on this task individually, but are encouraged to work as a small group or team.

**Method of delivery:** You may choose to present your report in any way you deem appropriate to your audience. For example, it could be written, via a public speech or presentation, it could be musical or be delivered in a drama or dance.

**Supervisor:** Depending on your chosen method of presentation and content this could be any member of staff of your choice.

**Assessment:** This is an open ended and self-directed task. Only you will know when your task has been accomplished to your satisfaction. Your supervisor will evaluate your performance with the audience (if appropriate). If this task is accomplished well it will lead to awards within the school rewards system. Exceptional pieces of work may lead to recognition outside South Grafton High School.

If you are interested in finding out about this or any other Gifted and Talented Extension Opportunity please see Mr Johnstone.

## Consumer Choice

**Title:** *Ever felt ripped off? Been scammed by someone who knew more about a purchase than you?* It happens all the time. Grafton desperately needs to improve what it knows about consumer choice, so we are going to run a series of “Commerce Spots” – short articles for the school newsletter that inform our school community about it. You are to develop a 300 word article on ONE of the following topics:

- comparison shopping
  - types of goods and services
  - different brands and products
  - choosing what to buy
- choosing where to buy
  - range of locations and sources
  - types of retail outlets
  - internet purchasing and mail order
  - locally, interstate, globally
- the need for consumer protection – scams and rip-offs
- legal rights and protective legislation for consumers
- organisations that provide assistance for consumers

Your article needs a great title, it should include relevant examples for people your own age and should be properly written. You will need to present your article to the supervisor before it will be accepted for the newsletter.

**Audience:** On completion, you will be asked to present your work to your supervisor. This should be an individual task.

**Method of delivery:** Your completed work should be presented electronically.

**Supervisor:** Mr Johnstone

**Assessment:** Your task will be assessed against the following criteria:

- Evidence of research
- Accuracy, currency and relevance of the information provided
- Effectiveness of the communication

If you are interested in finding out about this or any other Gifted and Talented Extension Opportunity please see Mr Johnston.

## **Corruption**

**Title:** Corruption is dishonest actions by people in power, normally involving money. Transparency International publishes a measure of the corruption in different countries across the world <http://www.transparency.org/cpi2014> Investigate corruption.

**Audience:** You may choose to present your report to other students, teachers, parents or members of the public. You may choose to work on this task individually, but are encouraged to work as a small group or team.

**Method of delivery:** You may choose to present your report in any way you deem appropriate to your audience. For example, it could be written, via a public speech or presentation, it could be musical or be delivered in a drama or dance.

**Supervisor:** Depending on your chosen method of presentation and content this could be any member of staff of your choice.

**Assessment:** This is an open ended and self-directed task. Only you will know when your task has been accomplished to your satisfaction. Your supervisor will evaluate your performance with the audience (if appropriate). If this task is accomplished well it will lead to awards within the school rewards system. Exceptional pieces of work may lead to recognition outside South Grafton High School.

If you are interested in finding out about this or any other Gifted and Talented Extension Opportunity please see Mr Johnstone.

## Countries of the World

**Title:** There are between 189 and 196 countries in the world – it all depends what is called a country. You are tasked with identifying these countries on a map.

**Method:** There are several ways that you could learn these countries from looking at a map to perhaps using an app on your phone.

**Supervisor:** Mr Johnstone

**Assessment:** This task will be assessed by Mr Johnstone by means of a test. Your score will determine your grade.

If you are interested in finding out about this or any other Gifted and Talented Extension Opportunity please see Mr Johnstone.

## The development of the transistor

**Title:** The development of the transistor made modern computers possible. You are tasked with investigating the development of the transistor.

**Audience:** You may choose to present your report to other students, teachers, parents or members of the public. You may choose to work on this task individually, but are encouraged to work as a small group or team.

**Method of delivery:** You may choose to present your report in any way you deem appropriate to your audience. For example, it could be written, via a public speech or presentation, it could be musical or be delivered in a drama or dance.

**Supervisor:** Depending on your chosen method of presentation and content this could be any member of staff of your choice.

**Assessment:** This is an open ended and self-directed task. Only you will know when your task has been accomplished to your satisfaction. Your supervisor will evaluate your performance with the audience (if appropriate). If this task is accomplished well it will lead to awards within the school rewards system. Exceptional pieces of work may lead to recognition outside South Grafton High School.

If you are interested in finding out about this or any other Gifted and Talented Extension Opportunity please see Mr Johnstone.

## Earthquakes

**Title:** There are countless small earthquakes every year and an occasional large quake. Investigate earthquakes using websites such as <http://earthquakestoday.info/>

**Audience:** You may choose to present your report to other students, teachers, parents or members of the public. You may choose to work on this task individually, but are encouraged to work as a small group or team.

**Method of delivery:** You may choose to present your report in any way you deem appropriate to your audience. For example, it could be written, via a public speech or presentation, it could be musical or be delivered in a drama or dance.

**Supervisor:** Depending on your chosen method of presentation and content this could be any member of staff of your choice.

**Assessment:** This is an open ended and self-directed task. Only you will know when your task has been accomplished to your satisfaction. Your supervisor will evaluate your performance with the audience (if appropriate). If this task is accomplished well it will lead to awards within the school rewards system. Exceptional pieces of work may lead to recognition outside South Grafton High School.

If you are interested in finding out about this or any other Gifted and Talented Extension Opportunity please see Mr Johnstone.

## **Viability of an electric car in Grafton**

**Title:** There is an increasing choice of electric cars available for purchase around the world. You are tasked with investigating whether successfully operating an electric car is viable in Grafton. You should investigate different models of car and be clear on the assumptions you make.

**Audience:** You may choose to present your report to other students, teachers, parents or members of the public. You may choose to work on this task individually, but are encouraged to work as a small group or team.

**Method of delivery:** You may choose to present your report in any way you deem appropriate to your audience. For example, it could be written, via a public speech or presentation, it could be musical or be delivered in a drama or dance.

**Supervisor:** Depending on your chosen method of presentation and content this could be any member of staff of your choice.

**Assessment:** This is an open ended and self-directed task. Only you will know when your task has been accomplished to your satisfaction. Your supervisor will evaluate your performance with the audience (if appropriate). If this task is accomplished well it will lead to awards within the school rewards system. Exceptional pieces of work may lead to recognition outside South Grafton High School.

If you are interested in finding out about this or any other Gifted and Talented Extension Opportunity please see Mr Johnstone.



## Elements

**Title:** There are over 100 elements in the periodic table. Choose an element to investigate.

**Audience:** You may choose to present your report to other students, teachers, parents or members of the public. You may choose to work on this task individually, but are encouraged to work as a small group or team.

**Method of delivery:** You may choose to present your report in any way you deem appropriate to your audience. For example, it could be written, via a public speech or presentation, it could be musical or be delivered in a drama or dance.

**Supervisor:** Depending on your chosen method of presentation and content this could be any member of staff of your choice.

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