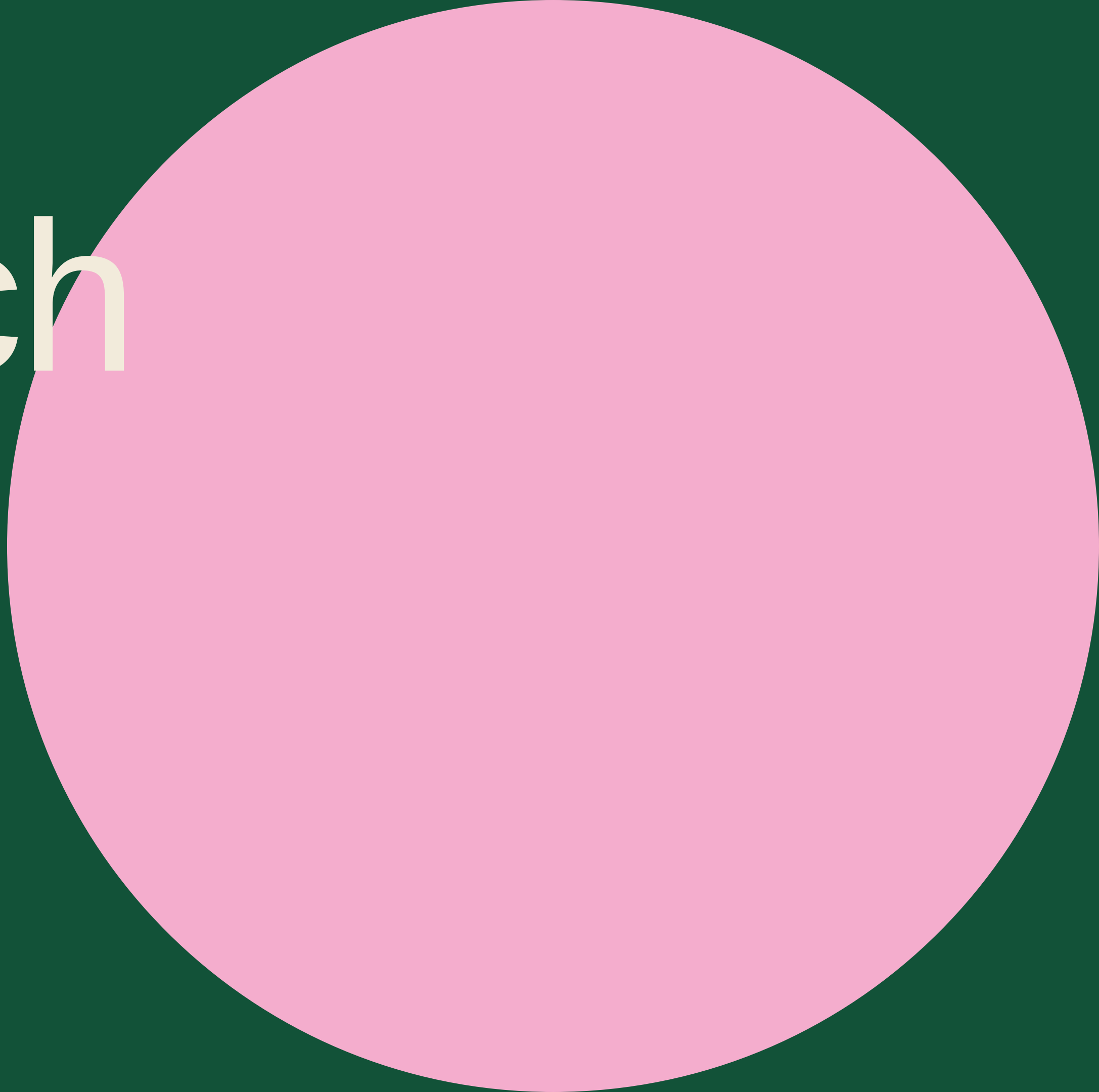


# Research Project

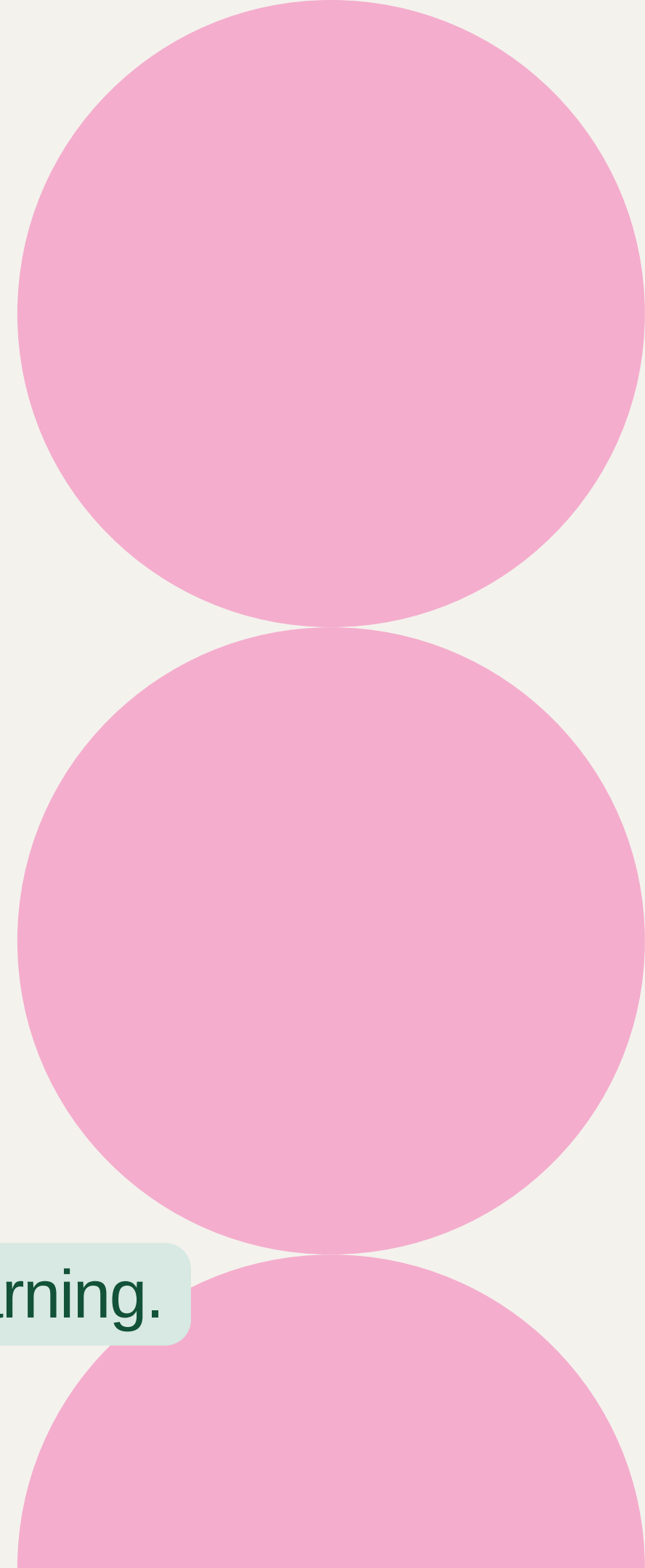


# An exciting opportunity

In the Research Project, you will have the opportunity to study an area of interest in depth.

It will require you to use your creativity and initiative, while developing the research and presentation skills you will need in further study or work.

Throughout the project, **you** are in control of **your** own learning.





# An exciting opportunity

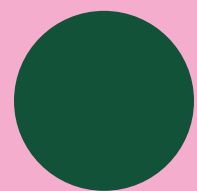
## Your Choice!

- research something **you** are interested in
- decide how you carry out your research
- decide on the way you produce your findings
- make judgements about how successful you've been

## Up skill for the future

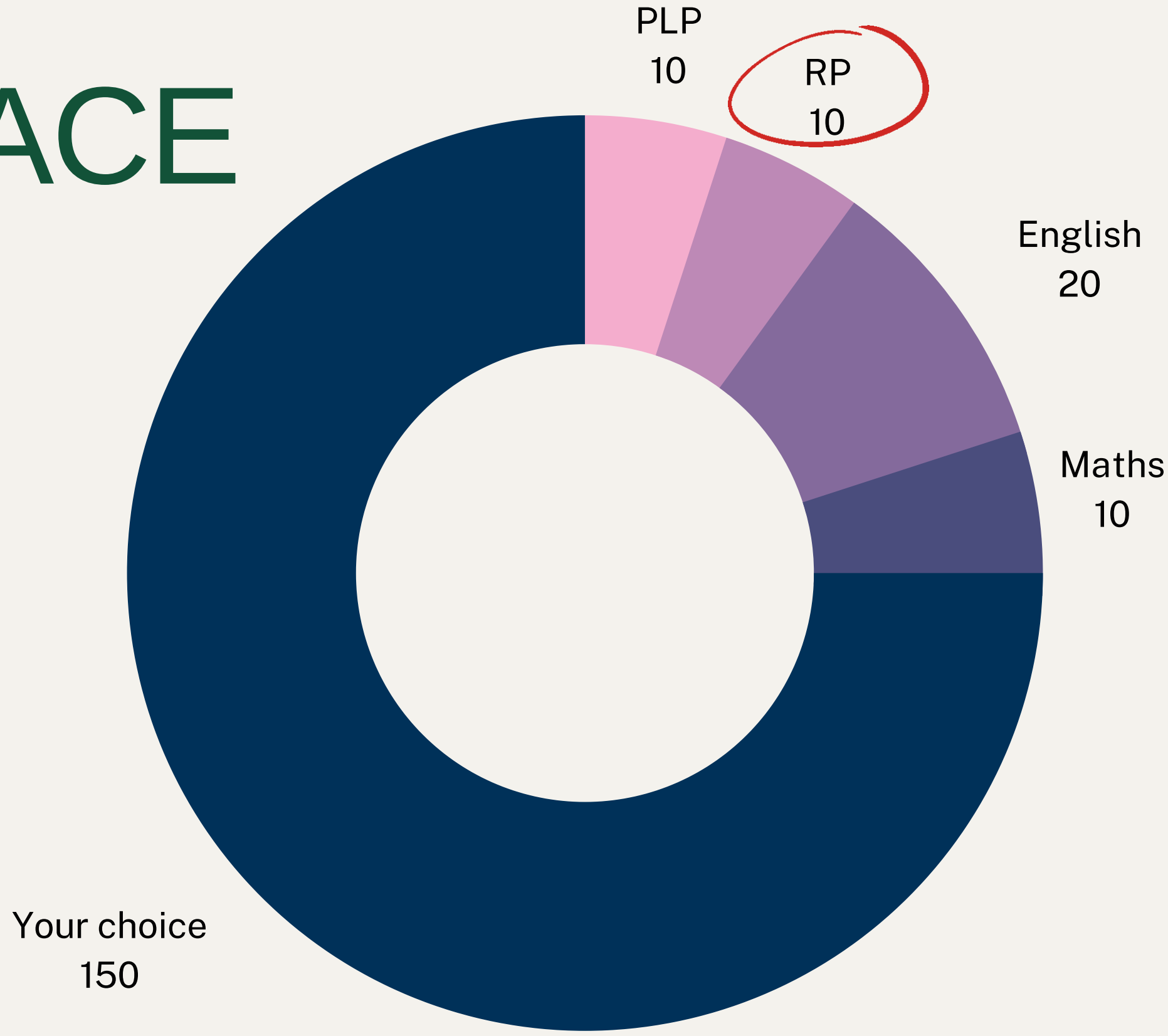
- researching (finding out information) and presenting the results of your research
- working independently
- communicating clearly
- planning effectively
- being able to deal with problems and setbacks

# What is the Research Project?



# A compulsory SACE subject

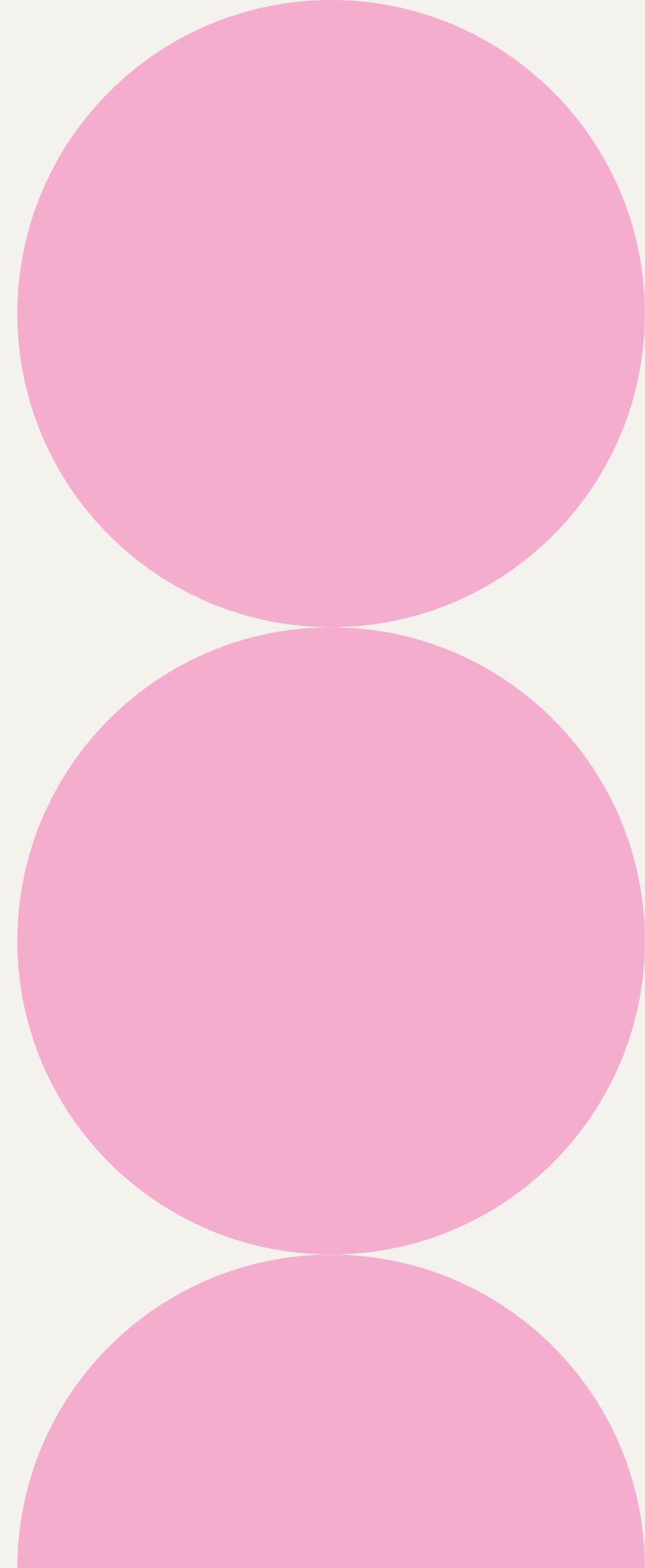
Students **must** achieve a C– grade or better to complete the subject successfully and gain their SACE.



# Structure of learning and assessment

Put simply, Research Project is a report or analysis of a specific topic of your choice. The entire project consists of three (3) assessment tasks, which will combine to assist you in completing your final product.

- 1.Folio (planning and initial research)
- 2.Outcome (final product, synthesis (putting it all together) of your research)
- 3.Evaluation/Review (written response about the entire process)



# The Folio - 30%

In short, the folio is a collection of evidence of the planning and development of research/analysis of the quality of research for your Research Project.



# The Folio - 30%

Step 1: Brainstorm things you are interested in and then choose a topic you wish to research

Step 2: You form a question in relation to your topic. This is the basis of your Research Project.

Step 3: You PLAN how you will answer that question.

Step 4: You then conduct your research using Primary and Secondary sources.

Step 5: You annotate the sources to determine if they are providing you high quality information and make connections between your research.





# The Outcome - 40%

This is your actual research. Within your outcome you **answer your question** by showing your findings.

You can do this written, oral presentation, documentary style video etc. It is YOUR choice.

RPB: 1500-2000 words written or 12 minutes oral.

RPA: 1000-1500 words written

-All sources must be referenced appropriately



# The Evaluation - 30%

This is where you must discuss the strengths and weaknesses of each process (e.g. conducting interviews)

Evaluate opportunities and challenges you were presented with in terms of the processes

Evaluate the quality of the outcome

1500 words MAX report + 150 words MAX summary – must be written



# Key Dates



## Term 2

- **End of Week 9:** Brainstorming, question development, planning, and capabilities (that is, up to your researching and analysing sources)

## Term 3

- **End of Week 1:** First four pages of folio (planning and capabilities) draft
- **End of Week 5:** Final six pages of folio (research analysis and key findings) draft
- **End of Week 8:** Final folio

## Term 4

- **End of Week 1:** Outcome draft
- **End of Week 4:** Final outcome
- **End of Week 5:** Evaluation draft
- **End of Week 7:** Final evaluation

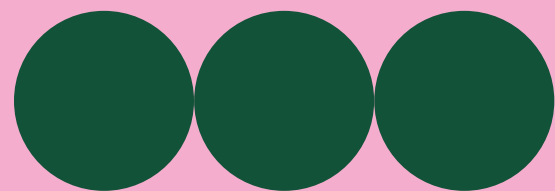
# Plan for today

Familiarise yourself with the RP Weebly site

- [www.faihrpsite.weebly.com](http://www.faihrpsite.weebly.com)

Set up your OneNote to record your research in for the semester

Begin brainstorming, question development, and planning research processes

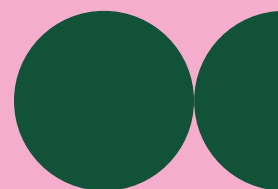


# Coming up with a topic

Start by writing down a few about what you're interested in and creating a brainstorming table

- what do you already know about that topic?
- what do you want to find out about that topic?
- consider whether or not there's any cross over between your topics that might allow you to explore a number of interests

| INTERNATIONAL SPACE STATION   |   |
|---|---|
| What I know   | What I want to find out   |
| <ul style="list-style-type: none"><li>• That the ISS orbits the earth and is operated by astronauts from all over the world (USA, Russia and Japan).</li><li>• Astronauts on board conduct science experience as well as space walks outside the ISS.</li><li>• Astronauts stay on the ISS for long periods of time (4, 6 months).</li><li>• Different nationalities occupy different sections of the ISS, however astronauts do go in and out of different sections despite their nationality.</li></ul> | <ul style="list-style-type: none"><li>• Why the international space station was launched and how they did it?</li><li>• Which country was the driving force that allowed the ISS to come about?</li><li>• What experiments are conducted aboard the ISS?</li><li>• How does the work of astronauts on the ISS benefit and effect people on earth? How are their findings and discoveries relevant?</li><li>• Do some countries prioritise space exploration more than others? Does this effect which countries fund the ISS?</li><li>• Do astronauts of different nationalities share their</li></ul> |

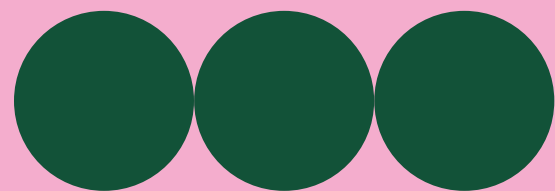


# Narrowing down a topic

Create a mindmap/a lotus diagram/20 questions once you've selected which of your topics you're going to pursue in RP

Once you've created the initial mindmap/diagram/question list, annotate the questions to show you've considered the following questions when narrowing down your final topic.

- Where has this idea for this question or aspect of a topic come from?
- Why have you rejected some of your ideas?
- Why have you considered this question or aspect of a topic?
- Why are you confident that this question or topic will keep you interested?
- What do you think will be your biggest challenge with this topic?
- How are you going to present your Outcome? Will this question be suitable/not?



|   |  |  |  |  |  |   |  |  |   |  |
|---|--|--|--|--|--|---|--|--|---|--|
| <p>This question would be too broad and would struggle to write an in-depth answer but would be better if further refined. Focusing on a certain age group, income level or location would result in a more in-depth analysis and answer.</p>   | <p>Research of this question would provide lots of information but may be too broad, narrowing down what types of drugs may provide for a more refined answer. Finding primary sources may be easier and give me the opportunity to interview people in the criminal justice system and psychologists.</p> |  | <p>Statistics would be easy to find for this question, but reliable primary sources would be limited, as well as the type of drug being too broad, which wouldn't create a refined answer.</p> | <p>This could be an interesting question, although the reliability of sources may not be the best but extending psychopathy into adults may be easier to research.</p> | <p>This question could be interesting but could be too broad and would require more than 1500-2000 words. Narrowing down to a certain mental disorder could be easier to research.</p> | <p>This could be an interesting and relevant question as it affects people from around the globe, except primary sources may be hard to find, making possibly unreliable sources.</p> | <p>Finding primary sources for this question would be difficult as answers would differ from person to person depending on if they believed the truth was being told or not.</p> | <p>This question may be too closed and simple and wouldn't require the 1500-2000 words, choosing a certain crime may refine the question more and give a more accurate response.</p> |   |  |
| <p>Research for this question wouldn't provide a refined answer as it is subjective to people's personal opinion about which is worse.</p>  | <p>Whether low socioeconomic people use more drugs</p>   | <p>Whether increased drug use can influence mental disorders</p>                     | <p>Effect of different kind of drugs on the growing mind</p>   | <p>Whether socioeconomic status effects the rate of mental illness</p>   | <p>Can psychopathy be identified in young children</p>   | <p>Different types of mental disorders and how they effect</p>  | <p>Is there racism in the justice system and how it affects people</p>   | <p>Techniques used by Australian police force to solve cold cases</p>  | <p>Is eyewitness testimony reliable in trial</p>  | <p>Finding reliable sources which correctly depict 3<sup>rd</sup> world country justice systems may be difficult to find and may be too much of a closed question to research.</p>   |
| <p>The psychological side to serial killers is something I am interested in, and this question would provide for in-depth analysis, and finding primary sources would be easy as there are many different aspects to the question. Being able to research high profile criminals and base research on their upbringing and family life would provide high quality and reliable information.</p> | <p>How drugs can affect the reasoning behind someone committing crime</p>  | <p>Drug Use</p>  | <p>What drugs are in jail and how do they make it in and used</p>  | <p>What is the most common mental issue occurring in people in jail</p>  | <p>Mental Disorders</p>  | <p>Effectiveness of seeking help for mental disorders</p>   | <p>How did Ted Bundy escape from the justice system for so long</p>  | <p>Criminal Justice</p>  | <p>Processes involved in solving a violent crime</p>  | <p>This would create an interesting response which currently affects a range of people and would have a lot of people to interview and new sources to use.</p>   |
| <p>This would be an interesting question and being able to base research on high profile murderers such as Ted Bundy would provide beneficial as there would be large amounts of information, and primary sources could be found by talking to psychologists and professionals who have dealt with murderers which may be difficult.</p>  | <p>Are stimulants or depressants both as bad, and what do they do</p>  | <p>Should all drugs be legal and what affect this would have on society</p>          | <p>Rate of criminals who commit high level crimes use drugs</p>  | <p>Is there a higher rate in men or women, and why</p>   | <p>What age group has the highest rate of mental health issues</p>   | <p>How mental disorders can influence someone to commit crime</p>   | <p>How does criminal profiling help to solve murder investigations</p>   | <p>Whether children who commit first degree murder should be charged as adults</p>   | <p>The differences of justice systems between 1<sup>st</sup> and 3<sup>rd</sup> world country</p> | <p>This question would be too broad for a refined answer but focusing on a certain drug or age group would be better for the outcome.</p>  |
| <p>This would provide for an in-depth analysis, but the amount of information may be limited due to finding information on the biological makeup of the brain, as well as the reliability as the amount of prior information on the topic may be limited.</p>   | <p>Whether nature or nurture is more prominent in the development of psychopathic behavior</p>   | <p>Psychology behind why serial killers decide to kill compared to normal people</p> | <p>What the different types of serial killers are and the difference in their methods</p>  | <p>Drug Use</p>  | <p>Mental Disorders</p>  | <p>Criminal Justice</p>   | <p>Can high increased stress levels push someone to the point of committing crime</p>  | <p>Increased pressure from parents and whether that increases stress</p>   | <p>Do children with family in the justice system have increased stress</p>                        | <p>Researching into the ways that the media shows off psychopathy in murderers, using Netflix documentaries as a main example would provide an interesting answer, but finding out whether people are influenced and finding primary sources would be more difficult.</p>  |
| <p>This would create a complex response and allows for the symptoms and different types of murderers to be explored, as well as researching high profile murderers and using examples. Finding primary sources would pose a difficulty as interviewee's would have to have worked with murderers and psychopaths personally.</p>  | <p>How did Ted Bundy get away with his murders for so long</p>   | <p>Serial Killers</p>  | <p>How does the media influence a fascination with serial killers</p>  | <p>Serial Killers</p>  | <p>Criminal Psychology</p>   | <p>Stress</p>   | <p>Do more criminals show higher levels of stress than normal</p>  | <p>Stress</p>  | <p>Can increased drug use also increase stress</p>  | <p>This question would be too broad for a refined answer but focusing on a certain drug or age group would be better for the outcome.</p>  |
| <p>This would create a complex response and allows for the symptoms and different types of murderers to be explored, as well as researching high profile murderers and using examples. Finding primary sources would pose a difficulty as interviewee's would have to have worked with murderers and psychopaths personally.</p>  | <p>Whether drugs can play a part in influencing the killing of people</p>  | <p>How do people take inspiration from famous serial killers in their own life</p>   | <p>How does personality affect murder efficiency and not getting caught</p>  | <p>Mental Issues in Criminals</p>  | <p>Crime</p>   | <p>Psychopathy and Sociopathy</p>   | <p>How can stress mixed with other mental issues increase the chance of committing crime</p>   | <p>Can increased alcohol consumption increase stress levels</p>  | <p>Whether socioeconomic levels can affect stress</p>   | <p>This would create a complex response and allows for the symptoms and different types of murderers to be explored, as well as researching high profile murderers and using examples. Finding primary sources would pose a difficulty as interviewee's would have to have worked with murderers and psychopaths personally.</p> |
| <p>This would create a complex response and allows for the symptoms and different types of murderers to be explored, as well as researching high profile murderers and using examples. Finding primary sources would pose a difficulty as interviewee's would have to have worked with murderers and psychopaths personally.</p>  | <p>Does mental health issues play a part in the reasoning why someone commits a terrorist attack</p>   | <p>Do more people who have mental disorders commit mass murder</p>                   | <p>How borderline personality disorder can influence someone to commit a crime</p>   | <p>Is an impulsive or predatory murderer more dangerous</p>  | <p>How can childhood trauma influence someone to commit a crime</p>  | <p>Behavioural and psychological similarities between serial killers</p>  | <p>How are these different disorders identified and treated</p>  | <p>Whether psychopathy can solely cause someone to commit murder</p>   | <p>How the media can glorify these disorders and how it influences the public</p>                 | <p>This would create a complex response and allows for the symptoms and different types of murderers to be explored, as well as researching high profile murderers and using examples. Finding primary sources would pose a difficulty as interviewee's would have to have worked with murderers and psychopaths personally.</p> |
|   | <p>Different types of mental health issues which can affect them</p>   | <p>Mental Issues in Criminals</p>  | <p>Percent of people in jail who have mental health issues</p>   | <p>How different motives affect the method of the crime</p>  | <p>Crime</p>   | <p>Developmental factors which can cause criminal activity</p>  | <p>Can they be identified in children</p>  | <p>Psychopathy and Sociopathy</p>  | <p>What's the difference between the two</p>  |  |
|   | <p>Is there a difference in the biology of the brain between a mentally ill criminal and normal person</p>   | <p>Whether schizophrenia can influence people to commit crimes</p>                   | <p>Whether mental issues should be considered when someone is charged with crime</p>   | <p>Biological issues in the brain which may cause criminal activity</p>  | <p>Whether there is a mutation in the brain which can cause them to kill</p>   | <p>How trauma can contribute to the development of antisocial personality disorder</p>  | <p>Nature vs nurture, are people born with it or develop it</p>  | <p>Do majority of murderers show signs of these being present</p>  | <p>Do everyday people have this and how they treat them</p>                                       |  |
|   |  |  |  |  |  |   |  |  |   |  |

This question will benefit my research, although I could be more specific in what is impacted the most, as this question may come up with irrelevant information.

The question stated will develop my key area of 'psychological impact'. To further refine this question I could see which types of foods improve your mental health, this will allow me to write a detailed key area.

Twenty questions

Research question: To what extent does becoming vegan affect the human body?

1. What happens to your body's vitamin levels when you turn vegan?
2. What health implications arise when turning Vegan?
3. Does your body change when you turn completely vegan?
4. Does becoming vegan have a positive or a negative effect on your body?
5. Does consuming no meat products affect your health?
6. Will my skin clear up when turning vegan?
7. Will my state of mind change when becoming vegan?
8. Can becoming a vegan improve your mental health?
9. Do vegan people need to consume vitamin supplements?
10. What will becoming vegan impact the most?
11. Does changing your diet change your sleep habits?
12. Will becoming vegan change the way that my body reacts to strenuous exercises?
13. Will my energy levels increase or decrease when turning vegan?
14. When you go vegan do you lose or gain weight?
15. Do you notice changes in your hair when you go vegan?
16. Do vegan people have a high or low percentage of body fat?
17. When you become vegan do you lose or gain concentration?
18. Do you have to have a good mental health to be able to follow a strict vegan diet?
19. Does someone new to being vegan struggle with their mental health?
20. Do your nails become stronger when you become vegan?

Commented [EC1]: This could potentially be a question that I use when researching and writing my outcome. It will help to develop the sub topic of 'physical makeup'. This question will also help me to develop my knowledge and what is happening to my body when I go vegan.

Commented [EC2]: This question is quite board and I could refine it and change the wording of it however if I was to it may not come up with much information. If I used this question it may not just come up with websites specifically relating to the 'functioning of the body' and may relate to other key areas which could be useful.

Commented [EC3]: This will be a question that I use when I begin writing my outcome. I may need to be more specific once I begin further writing my outcome as the information that I receive may not provide me with the specific physical changes that occur in the body.

Commented [EC4]: This will related directly to my research question and will hopefully help to answer it, I may need to make the questions 'how does becoming vegan positively affect the human body?' and 'how does becoming vegan negatively affect the human body?' this will enhance the research and develop the amount of information that comes up when it's googled.

Commented [EC5]: I think that this question could be further developed to get the best information of the internet, I will need to make sure that as I am researching I am also changing the question slightly to refine the question to get the best resources.

Commented [EC6]: By conducting an interview I found that skin is affected by the change in diet. To further test if this does happen I will complete 30 days following a vegan diet and I will also research into what vitamins and minerals in plant sources actually clear skin. This will be beneficial to write about in my research outcome.

Commented [EC7]: This will relate to the psychological impact key area, hopefully this question will help me to develop my understanding of what happens in our brains when we begin following a vegan diet.

Commented [EC8]: This question directly relates to my research question and will benefit me to research and add into my final outcome under the physical makeup subtopic. If no vitamins and minerals change when researching I will refine my question to 'what fruits and vegetables provide the body with enough vitamin and minerals to follow a vegan diet?'

- Key:
- Physical appearance
  - Physical makeup
  - Functioning of the body
  - Psychological

I think that this question will be hard to find on the internet as different people will experience different side effects. This occurs as the food people eat determine their energy levels. This will be hard to research, I will be asking an interviewee or see when I do my 30-day trial.

This will be relevant to my key area of 'psychological impact', I will be looking at whether following a vegan diet has any relevance to your mental health.

This will relate to my research question and will benefit my knowledge in this area. I could better refine this question to 'do vegans have better concentration spans?'

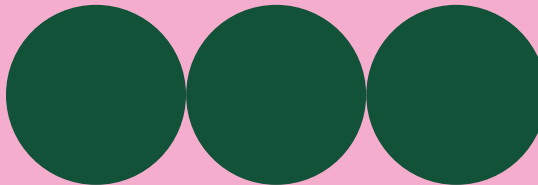
I really like this question and believe that it will come up with current and reliable information which will assist me in writing my outcome.

I believe this question will be interesting to research, although the information may be primarily opinion as I don't think any scientists test how nail strengths change.

This question will be very beneficial when writing my outcome under the key area of 'physical appearance'. I will be conducting an experiment on myself so it will be useful to know what foods to consume to avoid having a massive weight change.

This question will help develop my outcome immensely, however the direct answer may be difficult to find. I will just have to do extra research. This possible question would benefit my research outcome, however internet research may not come up with any specific information. I may have to conduct the skinfold calipers body fat test on myself to receive reliable information.

I believe this question will benefit my research and will be interesting to discover if a significant change in diet affects individuals sleeping patterns.





# Some previous questions

- *To what extent are the Australian Government being effective in supporting homeless Indigenous adolescents?*
- *To what extent is nuclear energy 'green' energy?*
- *To what extent does becoming vegan affect the human body?*
- *To what extent does the participation in exercise (within team sport) positively impact an athlete's wellbeing?*
- *To what extent is nature or nurture more prominent in the development of criminal psychopathic behaviours and tendencies?*
- *To what extent do psychological and nutritional factors influence weight loss diet failure?*
- *To what extent has Greek mythology Influenced modern-day storytelling?*
- *To what extent and in what ways do gender stereotypes in children's TV and film affect a child's developing ideologies?*
- *Does toxic stress experienced during childhood affect the cognitive and physical development of children?*
- *What elements of a video game do developers manipulate to keep players playing so as to make profit?*
- *Is mental health in young Australian men on the decline? To what extent does 'Australian masculinity' worsen the mental health of young men?*

1. How can ..... be used to.....?
2. Is there a better way to .....
3. How can I use photography to create a .....for the Purpose of .....
4. Which .....is best suited for the purpose of .....
5. How can .....be better managed?
6. Should .....be banned?
7. What is it like to .....? Compare the experience of 3-4 people in this situation.
8. How can I design and/or make a model of a .....to illustrate .....
9. Which ..... is the most effective in .....
10. To what extent is .....significant in Australian life?
11. Create a .....for.....
12. 'If.....it will .....' (scientific investigation into this hypothesis).
13. 'Too little, too late.' How accurately does this describe .....
14. How does the price of ..... vary between ..... over a period of .....? What are the factors influencing these prices?
15. How can I use participation in ..... to develop a.....
16. How can I produce ..... in the style of .....
17. To what extent does the film/book ..... accurately portray .....
18. To what extent did ..... change between .....

# Some advice

- Choose a topic that you're interested in but not an expert in
- Don't choose a topic that is super obscure - availability of sources is important
- Stick to the deadlines
- Use lesson time wisely - you are getting 5 lesson a week!
- Use the examples and guides on the Weebly site - but do what works for you
- Conference with your teacher



| TASKS TO COMPLETE   | COMPLETED |
|---|-----------|
| <b>BRAINSTORMING</b>  |           |
| P1: Consideration and refinement of a research question.  |           |
| 1. Create either a mind map, lotus diagram, or 20 questions on your current topic.  |           |
| 2. Annotate your brainstorm from step 3 to demonstrate question development.  |           |
| <b>PLANNING YOUR SOURCES</b>  |           |
| P2: Planning of research processes appropriate to the research question.  |           |
| 1. Do the trial run activity - find 3 sources, fill in the blank chart and use the evaluating online sources checklist  |           |
| 2. Complete 'reflecting on sources' to discuss with your teacher  |           |
| 3. Start your own bibliography  |           |
| <b>CAPABILITIES</b>   |           |
| D4: Understanding and development of one or more capabilities.  |           |
| 1. Choose two capabilities that relate to your topic and then fill in the tables on the worksheet. <i>You will fill out the final column or complete a reflection once you've completed your research</i> |           |
| <b>DEVELOPING &amp; REFINING THE RESEARCH QUESTION</b>  |           |
| P1: Consideration and refinement of a research question.  |           |
| 1. Start completing the worksheet on elements of a research question  |           |
| 2. Start your own question refinement page  |           |
| <b>PLANNING YOUR RESEARCH PROCESSES</b>   |           |
| P2: Planning of research processes appropriate to the research question.  |           |
| 1. Download and complete your research processes chart for your topic   |           |
| <b>ETHICAL RESEARCH</b>   |           |
| D3: Development of knowledge and skills specific to the research question.  |           |
| 1. Complete ethical considerations document   |           |
| <b>TIMELINE CHECK</b>   |           |
| 1. Plan when you will be conducting any primary source collections  |           |