

JOHN XXIII COLLEGE



MAGIS

Gifted and Talented Program

PERSONAL PROJECT DISPLAY

Years 7-8 Magis Option Students

SEMESTER ONE 2020

PROGRAM BOOKLET



John XXIII College

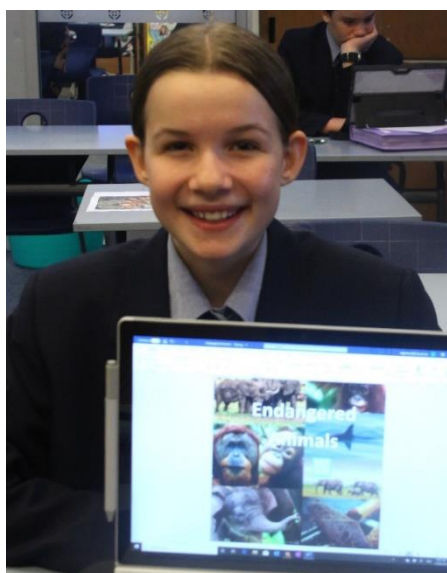
PERSONAL PROJECT DISPLAY

Semester One 2020

Students taking the Magis Option in Semester One have had ten weeks to complete the personal projects on display today. The method is based on the International Baccalaureate Personal Project, but modified to suit younger students and a much shorter timeframe within which to complete their work. They were challenged to choose a project related to a major interest or passion of theirs, and there have been some excellent, creative results.

A key element of the project is the **Process Journal**, in which students reflect regularly on their progress and analyse what's working, what's not, and what they are going to do about it. The development of ability to become reflective learners is a key aspect of the program. Congratulations to all students on their achievements, and warmest thanks to parents and others who have supported them.

- Jim Miller
Gifted and Talented Program Coordinator



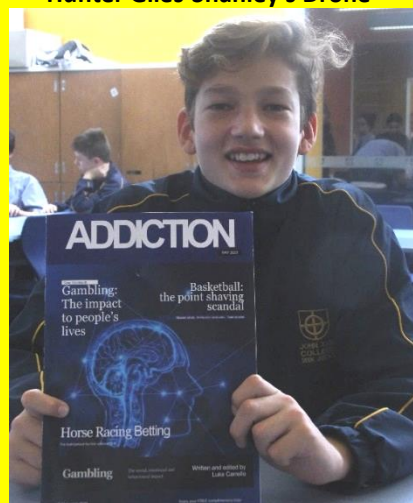
Olivia Gardner – Endangered Animals



Austin Vujcich: Augmented reality School Map



Hunter Giles-Shanley's Drone



Luke Carrello – Addiction



Khyan Mann - Distopian

1. Kiera Fong

MATCHA



My personal project is a cookbook about Matcha. Matcha is a ground powder that is made from green tea leaves. Matcha is commonly used for desserts and in my cookbook there are 11 recipes all about matcha and how to use it in desserts.

2. Angus Furness

Cricket Bat



I decided to build a cricket bat. I did some researching and found a local bat maker called Richardson Cricket. Over the next few lunchtimes Mr. Carlino and I built it in the woodwork room. I am also doing a brief history of cricket where, when and why it was made and also the evolution of cricket.

3. Hunter Giles-Shanley

DRONE FOOD DELIVERY



My personal project is a flying autonomous drone and app that can pick up food and deliver it to a person in a quick enough time, without any human intervention. I am presenting a drone, app and documents with information about the project. My project is designed to be functional as a drone food delivery system.

4. Sarah Lazareski

The Life of Earth

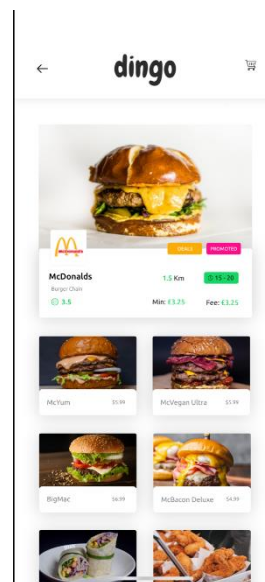


How the Earth was made
Natural and cultural resources of the Earth
Facts about different types of animals
The wealthiest and poorest countries in the world
The countries with the highest and lowest population
Famous landmarks of the world
Animals in Australia

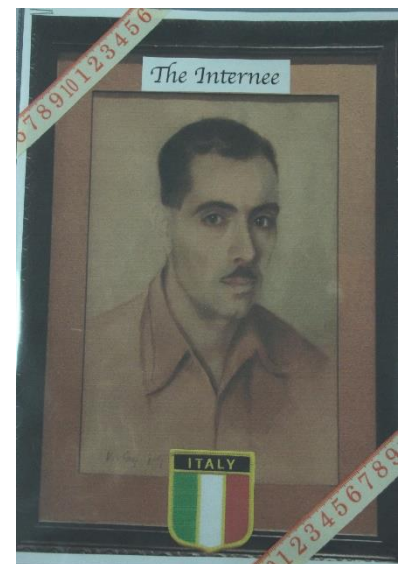
6. Massimo Torre



My Personal Project is about the terrible treatment of Prisoners of War in World War Two and the experience that my great grandpa had as an Italian internee in Australia. It will uncover the terrible conditions that prisoners of war and internees had to go through from both allies and axis powers, the breaking of the Geneva Convention agreements and their struggles to live.



Hunter's Drone Food Menu



Massimo Torre - Prisoners of War

5. Tim Tierney

How Sleep Benefits Us



My project is an article outlining how sleep benefits memory. It outlines what happens while we sleep that is so important to the way our brain memorises things. It talks about the two different types of memories short term and long term, and how our brain forms new neuro links between these memories while we sleep.

7. Max Watt

Lightsabre



My personal project is a home made lightsabre going into as much design detail as possible. A Lightsabre is a jedi's blade of light that can cut through anything that is powered by a kyber-sabre-crystal, a sabre of light, hence the name. The sabre is not themed off any existing sabres, it is fully my design.

8. Luke Carrello

Addiction



To some its entertainment, others an addiction. I have been gathering information about the astonishing things sporting athletes have done to win money and the impact gambling addiction has had on their lives. Examples range across a range of sports from AFL to baseball, horse racing to cricket. The booklet I have created gives an insight on the reasons people gamble and the major impacts.

9. David Gardner

West Coast Eagles



My project explains how the Eagles entered the comp and how hard it was being the first WA team to play against the Victorian teams. It also explains the ups and downs of their club, the Great players and the great moments.... AFL great Mick Malthouse entered the club as the coach, and lead the team to two Premierships. After that the club was able to continue achieving and still are today

10. Khyan Mann

Distopian



My personal project is a narrative that has a theme of dystopian sci-fi. It is set after a galactic nuclear war and is set in a time of conflict. A young man, Ueroan, is old enough to fight on the front lines of the guild of half-breeds and works with his squad in a battle against 'the others'. When the battle is over and his men extracted, he has a realisation of the truth of all the guild is. ...

YEAR 7 STUDENTS

11. Zoe McIlree

Lillian Gilbreth



My Personal Project is a biography of the famous American psychologist and engineer, Lillian Gilbreth. Lillian is well-known for taking the concept of psychology and putting it into everyday life to make it simpler for us. I hope this E-Book will make people realise how many significant innovations and inventions we take for granted.

12. Elizabeth Webster

Parkinson's Disease



My project is on a life-changing disease called Parkinson's disease, a brain disorder that gradually gets worse. It causes nerve cells in a part of the brain controlling movement to die. That's why people with Parkinson's often shake or show other abnormal movements. There are treatments that can help with symptoms, but there is no way to slow or reverse the condition.

13. Remy Bardinet

Mountain Ski Website



My website is designed for people to submit stories about their adventures and experiences on the mountains.

14. Raphael Beer

My Song



For my project I created a song with many different instruments. I wrote the song by myself on the piano then translated it on to all the other instruments. I sat at the piano and improvised. I expanded on the theme of an Arabic sound to reach the final composition. I played the song on harp, piano, djembe, xylophone, and added voice. I recorded each track on Audacity, a recording software, and layered each part together to make a song that has depth. I also added a video to make the song more interesting.

15. Hunter Bovell

Impact of the coronavirus pandemic on the Year 7 cohort at John XXIII college



I have done a survey about the impact of coronavirus and have discovered interesting things about how everybody is feeling and things such as the people whose parents a healthcare workers are less worried about it. I completed two surveys to compare the data during and after the pandemic.

16. Harrison Cabassi

My Family Tree



I decided to create a family tree. It has my close family and my grandparents on it. It shows when they were born and where they were born. It also show where they live now. I have enjoyed making this presentation and I hope that you enjoy it too.

17. Olivia Gardner


Endangered Animals




I have been passionate about animals ever since I can remember. My mum told me that when I was in Kindy, I gave myself the role of the 'school crossing patrol officer'. But instead of people crossing, I would help worms, beetles and all kinds of creatures cross the "busy" roads in Kindy (I chose to do my Project on Endangered Animals because I am fervent about animals and the wellbeing of them. It is completely unfair that humans are mistreating them.


YEAR 7 Students


PERSONAL PROJECTS


<p>18. Thomas Kirwan</p>	<p>PONG</p>
	<p>My take on the classic arcade game "Pong" that I made using only notepad. The game consists of a basic layout with a net, 2 balls and score counters. I also looked into lots of coding software (like JavaScript) and experimented I decided to stick with my current game and expand with my coding on Notepad. The left paddle is controlled by the mouse, and the right paddle is controlled by an AI that I coded. Have fun!</p>


Josh
Will

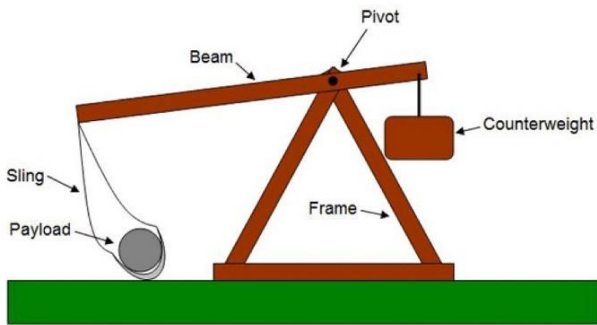
<p>21. Joshua Tyson</p>	<p>Website Directory</p>
	<p>I've created a website that allows you to find several online shops at your fingertips. I have created a description for each shop, with a link that will direct you. Online shopping has grown significantly, hence this website. The website can also have other uses such as for comparing prices. These features create a useful tool .</p>

<p>19. Cormac McDonald</p>	<p>Medieval Trebuchet</p>
	<p>My personal project is a medieval trebuchet scaled down. It is made from pinewood and stands at 1 meter tall x 1 meter wide. It uses a pin being pulled out to release a washer on a string through wires to launch. The sling used is 80 cm long and has a pouch made of gaffer tape. It is designed to launch golf balls 10 metres and succeeds that goal. It took about 9 hours to build and improve the design..</p>

<p>22. Austin Vujcich</p>	<p>Augmented Reality School Map</p>
	<p>I have chosen to make an informative mobile app about the school. The program will scan a 2d map of the school and make it 3d on the screen. The 3d version of the map can be looked at from any angle. On top of the 3d map, I have added multiple red domes. When you click on these domes the screen will switch scenes to display a 360 degrees view of where you clicked.</p>

<p>20. Sam Stokes</p>	<p>Save the Fragging Reef</p>
	<p>I'm going to frag a soft coral into multiple pieces and show the growth over the 10 weeks. if people started fragging mass amounts of coral then placing it on artificial reefs that they could greatly increase fish and coral diversity by fragging native corals hence saving the reefallowing time to grow back from predation from corallivores.</p>

<p>23. Marco Zammuto</p>	<p>Interesting Animals</p>
	<p>This poster contains information on the 6 basic animal groups, mammals, birds, reptiles, fish, amphibians and invertebrates, and all of their distinguishing features. There are some animals on this poster that you may have never heard of. I have chosen from each basic animal group, have some of the most unique, interesting features in the animal kingdom.</p>



TREBUCHETS - Cormac McDonald

In the middle ages, trebuchets were war machines used to throw heavy missiles at the enemy. Trebuchets became obsolete when cannons were invented. My project is a working model trebuchet. Instead of throwing large rocks my model throws golf balls. The main parts of a trebuchet are: a throwing arm that moves on a pivot and a weight that swings the throwing arm. The parts are shown in this diagram.



Kiera Fong's Matcha

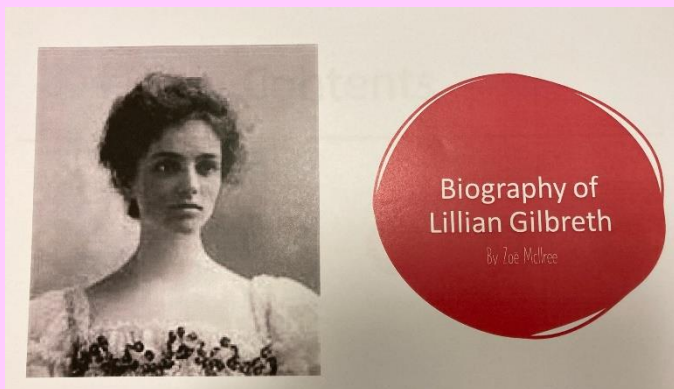


Hunter Giles-Shanley's drone

INTERESTING ANIMALS

<p>PANGOLIN</p> <p>Found: in plains & forests in southern Africa, China & India. Group: Mammals. Scientific name: Manis temminckii.</p> <p>Interesting feature: scales covering body.</p> <p>Size: 1.15-1.37m long. Weight: 24-32Kg. Diet: insectivore.</p>	<p>SUPERB BIRD-OF-PARADISE LIZARD</p> <p>Found: in forests in South-East Asia. Group: Reptiles. Scientific name: Draco volans.</p> <p>Interesting feature: wings, made of extendable elongated ribs and skin membrane.</p> <p>Size: 25-26cm long. Weight: 58-70g. Diet: omnivore.</p>	<p>ERECT CAPE</p> <p>Found: in forests on the island of New Guinea. Group: Birds. Scientific name: Lophoceros superba.</p> <p>Interesting feature: erectile cape, made of elongated feathers.</p> <p>Size: 21-23cm long. Weight: 35-36g. Diet: insectivore.</p>
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Marco Zammuto's Interesting Animals



Zoe McIlree

The History of the West Coast Eagles

By David Gardner.

David Gardner



Zoe McIlree



Harrison Cabassi



Elizabeth Webster



Thomas Kirwan



Cormac McDonald's trebuchet



David Gardner



Josh Tyson



Max Watt's Lightsabre