



KNOX
GRAMMAR
SCHOOL

STATE

DA VINCI DECATHLON 2018

CELEBRATING THE ACADEMIC GIFTS OF STUDENTS
IN YEARS 9, 10 & 11



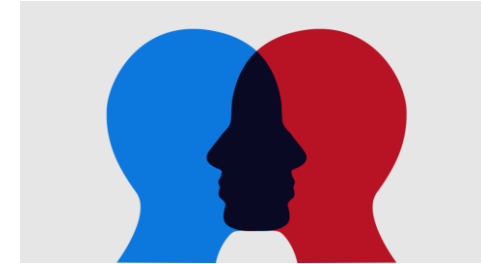
IDEATION – ANSWER BOOKLET

TEAM NUMBER _____

1	2	3	4	Total	Rank
/15	/15	/15	/15	/60	

1. EMPATHISE

ETHICAL DECISION-MAKING FRAMEWORK (15 MARKS)



The consideration of ethics distinguishes us as humans from other organisms. Ethical people have what philosopher Thomas Aquinas called a *'well-informed conscience'*. They live what Socrates called *'an examined life'* – a life particularly associated with being human.

To ensure the ethics of your ideas and solutions, please complete the following Ethical Decision-Making Framework.

ETHICAL QUESTIONS	EXPLANATION
<p>1. What were the important facts that you discovered? Provide at least two. (2 marks)</p>	
<p>2. Has the problem changed or expanded your views about life beyond Earth? (3 marks)</p>	

<p>3. Why does it matter that society finds a solution to this problem? (2 marks)</p>	
<p>4. What will be some of the negative consequences of your possible solution? (2 marks)</p>	
<p>5. What will be some of the positive consequences of your possible solution? (2 marks)</p>	

<p>6. How will your possible solution empathise with the current community? (2 marks)</p>	
<p>7. How would the wider community respond to your ideas and possible solution? (2 marks)</p>	

2. DEFINE

DESIGN BRIEF (15 MARKS)



Team Code: _____

Here, you must identify the problem, outline the ethical issues, evaluate the challenges and research findings, and identify possible solutions.

IDEATE: What?

Why does it matter?

The Ethical Issues:

The Barriers:

Our Vision:

Team Code: _____

RESEARCH: Why?

RESEARCH FINDINGS TO SUPPORT IDEAS

Team Code: _____

Challenge Statement: What does the team want to achieve?

Proposed Solution 1

Proposed Solution 2

Proposed Solution 3

3. IDEATE

REFLECTION (15 MARKS)



Team Code: _____

IDEATION

What new ideas did the team generate?

Will your ideas work? Why or why not?

IMPLEMENTATION

WHEN?

WHERE?

WHO?

Team Code: _____

DISSEMINATION

How will you get people to adopt your idea?

How will you measure your success?

Team Code: _____

4. CREATE

PROTOTYPE (15 MARKS)

Team Code: _____

Prototype Continued...

END OF PAPER