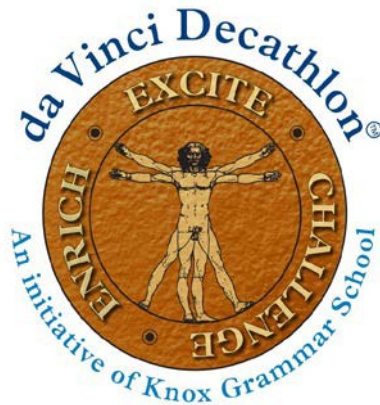




KNOX
GRAMMAR
SCHOOL

DA VINCI DECATHLON 2021

CELEBRATING THE ACADEMIC GIFTS OF
STUDENTS



IDEATION – ANSWER BOOKLET

TEAM NUMBER _____

1	2	3	4	Total	Rank
/15	/10	/25	/10	/60	

IDEATION CHECKLIST

To ensure that your team is on track and has completed all of the required tasks for the challenge please note the following checklist.

TASKS	COMPLETE – PLEASE TICK
a. Empathise - Research form (15 marks)	
b. Define (10 marks)	
c. Ideate (25 marks)	
d. Prototype (10 marks)	

1. EMPATHISE

What is the problem?

- Define the challenge and explore the human context (15 marks)



Research is imperative when identifying problems and solutions. Without knowledge of the context and consideration of the human context, it can be very difficult to identify a problem or challenge on which you will focus.

This section will guide you through an examination of the research material that has been provided for this topic. In the box below, identify what you consider to be **KEY FACTS** from the research provided. Use the headings to guide your research.

Factors contributing to the issue (At least TWO) – 4 marks	Consequences if not addressed (At least TWO) – 4 marks	People and perspectives – Identify the different perspectives – 3 marks	Two barriers to addressing the issue and why they are a barrier – 4 marks

Team Code: _____

--	--	--	--

2. DEFINE



Why is it important? (10 marks)

- Understand and create a point of view

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. Here, you must identify the problem in a vision statement. This is your team's vision for what you would like to achieve. It may be that you want to 'reduce' or 'improve', 'increase' or decrease'.

Vision Statement: What does the team want to achieve? (5 marks)

Why is this vision statement important to address? Write the relevant points from the research here to show you have based your vision statement on your understanding of the problem. (5 marks)

3. IDEATE

How do we solve it? (25 marks)

Create **3 POSSIBLE** solutions that will facilitate your vision statement. In other words, how will you make this a reality? They need to be **3 DIFFERENT** ideas. Be bold, be creative.

Possible Solution 1 (2 marks)	Possible Solution 2 (2 marks)	Possible Solution 3 (2 marks)
Reflect and Evaluate: complete this once you have brainstormed your solutions		
<i>What are some positive consequences of this solution? (1 mark)</i>	<i>What are some positive consequences of this solution? (1 mark)</i>	<i>What are some positive consequences of this solution? (1 mark)</i>
<i>What are some negative consequences of this solution? (1 mark)</i>	<i>What are some negative consequences of this solution? (1 mark)</i>	<i>What are some negative consequences of this solution? (1 mark)</i>

REFLECT & EVALUATE Cont.

Using the table above, select one solution for which you will develop a prototype.

Write your chosen solution here (2 marks)

Justify why you have selected this solution (4 marks)

IMPLEMENTATION (3 marks)

WHEN?

WHERE?

WHO?

DISSEMINATION (4 marks)

How will you get people to adopt your idea?

How will you measure your success?

4. CREATE

PROTOTYPE (10 MARKS)

A prototype is a simple experimental model of a proposed solution used to test or validate ideas, design assumptions and other aspects of its conceptualisation quickly and easily. Please create a mindmap or a storyboard or poster as a model of your solution on the following pages.

ASPECT	LIMITED	SOUND	EFFECTIVE	OUTSTANDING	MARK
Originality and creativity	0 - 1	2-3	4	5	
Clarity and communication of ideas	0 - 1	2-3	4	5	
TOTAL					/10

Team Code: _____

PROTOTYPE

Team Code: _____

PROTOTYPE

END OF
PAPER