


# YEAR 7 - MINI ME



***‘Our identity within a community allows us to make connections with each other.’***

Students will create a CAD (Computer Aided Design) file that represents a part of their personality and perception of ‘self’ within this large school.

## APPROACHES TO LEARNING

SELF MANAGEMENT • COLLABORATION • SELF IMPROVEMENT

REFLECTION SKILLS

CONSIDERING THE PROCESS OF LEARNING



COMMUNITY • CONNECTIONS • PERSPECTIVE

# IDENTITIES & RELATIONSHIPS

## FACTUAL QUESTION



What is a community?

## CONCEPTUAL QUESTION



How do we perceive ourselves within a community?

## DEBATABLE QUESTION



Can you succeed without connecting with others?

# YEAR 7 - RAVING ROBOTS

**'In a world increasingly driven by scientific and technical innovation, students need to embrace, collaborate and adapt when necessary in an ever-changing society.'**

Students will learn about the potential role of Robotics in the future and to appreciate the pros and cons of such a reality.

## APPROACHES TO LEARNING

SELF MANAGEMENT • COLLABORATION • SELF IMPROVEMENT

## INFORMATION LITERACY SKILLS

PRESENT THE MAIN FINDINGS OF RESEARCH

 SYSTEMS • ADAPTATION • COLLABORATION

# SCIENTIFIC AND TECHNICAL INNOVATION

## FACTUAL QUESTION

How can you define a system?

## CONCEPTUAL QUESTION

What would be another use for a robotic or automated product in the wider community?

## DEBATABLE QUESTION

Is the increasing presence of Robots in our society an aid or a hindrance?

# YEAR 8 - GIVE A GIFT

***‘Discover how community’s values are represented in Art & Design.’***

Students will create a cushion cover that explores how successful works of art can embody our cultural state in their form and message.

## APPROACHES TO LEARNING

SELF MANAGEMENT • COLLABORATION • SELF IMPROVEMENT

## COMMUNICATION SKILLS

EXCHANGING THOUGHTS, MESSAGES AND INFORMATION EFFECTIVELY THROUGH INTERACTION

 COMMUNICATION • FORM • PERSPECTIVE

# PERSONAL & CULTURAL EXPRESSION

## FACTUAL QUESTION

How can you define communication?

## CONCEPTUAL QUESTION

How does good art inform the design process?

## DEBATABLE QUESTION

How successful works of art embody our cultural state in their form and message?

# YEAR 8 - GLOBAL ISSUES

***‘We have a collective responsibility to support raising the awareness of issues faced by global communities.’***

Students will learn about the role a designer plays in raising awareness of global issues.

## APPROACHES TO LEARNING

SELF MANAGEMENT • COLLABORATION • SELF IMPROVEMENT

INFORMATION LITERACY SKILLS  
FINDING, INTERPRETING, JUDGING AND  
CREATING INFORMATION

KEY COMMUNITIES • RESOURCES • PERSPECTIVE

# FAIRNESS AND DEVELOPMENT

## FACTUAL QUESTION

What are global communities?

## CONCEPTUAL QUESTION

What does it mean to be collectively responsible?

## DEBATABLE QUESTION

Is raising awareness successful in enacting change?

# YEAR 9 - MEMOIRS IN MOTION

IDU WITH ENGLISH LANGUAGE AND LITERATURE



***‘Adaptation of form can communicate universal concepts.’***

Students will communicate an adaptation of an idea to an audience in the form of a stop-motion movie.

## APPROACHES TO LEARNING

SELF MANAGEMENT • COLLABORATION • SELF IMPROVEMENT

TRANSFER SKILLS  
USING SKILLS AND KNOWLEDGE ACROSS  
DISCIPLINES AND SUBJECT GROUPS

 FORM • ADAPTATION

# PERSONAL & CULTURAL EXPRESSION

## FACTUAL QUESTION

What is cultural expression?

## CONCEPTUAL QUESTION

How can communication be enhanced by adaptation and creativity?

## DEBATABLE QUESTION

Do creative projects require a formal process to follow?

# YEAR 9 - PEWTERFUL

***‘Communities can connect through different forms of cultural expression.’***

Students will explore different forms of culture and specifically the decorative forms a particular culture might use to communicate a sense of belonging

## APPROACHES TO LEARNING

SELF MANAGEMENT • COLLABORATION • SELF IMPROVEMENT

### CREATIVE THINKING SKILLS

CREATE ORIGINAL WORKS AND IDEAS; USE EXISTING WORKS AND IDEAS IN NEW WAYS.

 COMMUNITIES • FORM • CONNECTIONS

# PERSONAL & CULTURAL EXPRESSION

## FACTUAL QUESTION

What is form?

## CONCEPTUAL QUESTION

Can products express culture?

## DEBATABLE QUESTION

Is it beneficial that communities connect?



# YEAR 10 - BISS

***‘Consider how people interact with product and the space they occupy.’***

Students will need to develop products that fit the needs of the consumer.

## APPROACHES TO LEARNING

SELF MANAGEMENT • COLLABORATION • SELF IMPROVEMENT

## CRITICAL THINKING SKILLS

PROPOSE AND EVALUATE A VARIETY OF SOLUTIONS

DEVELOPMENT • ADAPTATION • PERSPECTIVE

# ORIENTATION IN SPACE AND TIME

## FACTUAL QUESTION

What are human factors?

## CONCEPTUAL QUESTION

How do designers utilise modeling to authentic ideas and designs by testing?

## DEBATABLE QUESTION

Does the placement of a product within an environment influence our perception of its use and success

# YEAR 10 - CIRCULAR ECONOMY

***‘We can explore options to ensure our choices make positive impacts on our communities.’***

Students will develop a sustainable product for a particular target market or audience.

## APPROACHES TO LEARNING

SELF MANAGEMENT • COLLABORATION • SELF IMPROVEMENT

### CREATIVE THINKING SKILLS

APPLY EXISTING KNOWLEDGE TO GENERATE NEW IDEAS, PRODUCTS OR PROCESSES

KEY COMMUNITIES • RESOURCES • CHOICE

# GLOBALIZATION AND SUSTAINABILITY

## FACTUAL QUESTION

What is a global community?

## CONCEPTUAL QUESTION

Are global communities affected by consumer choices?

## DEBATABLE QUESTION

Can consumerism be a positive thing for developing communities?



# YEAR 10 - COMMUNITY KINSHIP

***‘Food innovation impacts the environment and builds social connections and relationships.’***

Students will explore if food innovations have a positive or negative impact on our environment.

## APPROACHES TO LEARNING

SELF MANAGEMENT • COLLABORATION • SELF IMPROVEMENT

## INFORMATION LITERACY SKILLS

FINDING, INTERPRETING, JUDGING AND CREATING INFORMATION

 SYSTEMS • INNOVATION

# SCIENTIFIC AND TECHNICAL INNOVATION

## FACTUAL QUESTION

What are the types of agricultural farming for growing fruit & vegetables?

## CONCEPTUAL QUESTION

How does modernist cooking techniques and food innovation change in the industry?

## DEBATABLE QUESTION

How do we change our relationships with preparing and buying food?

# YEAR 10 - MICRO GROW

**‘By modernization of/innovating old technologies and systems, we can adapt them to become more efficient solutions to meet the changing needs of the real world’**

Students will explore innovative technical systems and integrate them into functional real world solutions.

## APPROACHES TO LEARNING

SELF MANAGEMENT • COLLABORATION • SELF IMPROVEMENT

### CREATIVE THINKING SKILLS

APPLY EXISTING KNOWLEDGE TO GENERATE NEW IDEAS, PRODUCTS OR PROCESSES

 SYSTEMS • INNOVATION • MARKETS & TRENDS

# SCIENTIFIC AND TECHNICAL INNOVATION

## FACTUAL QUESTION

What is a system?

## CONCEPTUAL QUESTION

Why do we use marketing?

## DEBATABLE QUESTION

Considering all the resources used, can technology be used to make food production more sustainable?

# YEAR 11 - MAKE IT SELL IT

IDU WITH INDIVIDUALS AND SOCIETIES

**‘Cooperation between individuals can facilitate innovation and the development of sustainable products for the marketplace.’**

The development of innovative products can be enhanced through cooperation. As students generate their product ideas within their groups, they’ll be able to refine them through data collected from their potential customers to enhance the finished versions.

## APPROACHES TO LEARNING

SELF MANAGEMENT • COLLABORATION • SELF IMPROVEMENT

### COMMUNICATION SKILLS

USE A VARIETY OF SPEAKING TECHNIQUES TO COMMUNICATE WITH A VARIETY OF AUDIENCES

 DEVELOPMENT • ADAPTATION

# GLOBALIZATION AND SUSTAINABILITY

## FACTUAL QUESTION

What is ‘Batch Production’?

## CONCEPTUAL QUESTION

How do different forms of cooperation affect the quality and quality of a product?

## DEBATABLE QUESTION

What is the best way to find out what a target audience wants in a product?

# YEAR 11 - CELEBRATE MYP

**‘We develop and adapt innovative products through the application of creative strategies and scientific information.’**

Students will develop a solution which demonstrate how humans adapt environments to their needs.

## APPROACHES TO LEARNING

SELF MANAGEMENT • COLLABORATION • SELF IMPROVEMENT

### SELF MANAGEMENT SKILLS

SELECT AND USE TECHNOLOGY EFFECTIVELY AND PRODUCTIVELY

 DEVELOPMENT • ERGONOMICS

# SCIENTIFIC AND TECHNICAL INNOVATION

## FACTUAL QUESTION

What is the study of ergonomics?

## CONCEPTUAL QUESTION

How does innovation impact our environments and vice versa?

## DEBATABLE QUESTION

Can we ever fully ‘optimize’ our innovation?