



PEWCC  
reporting at  
Sydney Boys  
High School

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## Standard comments for reporting on PEWCC skills

### Rubric Comments - Problem Solving

PS0: Does not reach the minimum standard

PS1: Demonstrates the ability to apply a given skill to solve a particular problem

PS2: Interprets and communicates the nature of the problem and applies a problem solving strategy

PS3: Selects appropriate problem-solving strategies to engage with unfamiliar problems

PS4: Evaluates critically a range of problem-solving strategies for credibility, authenticity and utility

PSN/A: Not applicable for this subject

### Rubric Comments – Evaluating

#### Developing an argument

E01: Does not reach the minimum standard

E11: Interprets the question requirements with basic, self-evident arguments and uses relevant vocabulary

E21: Interprets the question requirements with some well-developed arguments and uses relevant vocabulary

E31: Interprets the question requirements with sophisticated arguments and uses extensive vocabulary

E41: Interprets the question requirements with insightful and differentiated arguments and uses extensive vocabulary

E1N/A: Not applicable for this subject

#### Supporting an argument

E02: Does not reach the minimum standard

E12: Supports an argument with appropriate evidence

E22: Justifies and supports an argument with detailed and accurate evidence

E32: Justifies and supports an argument with detailed, accurate and insightful evidence

E42: Justifies, supports and integrates insightful and apt evidence into a sophisticated argument

E2N/A: Not applicable for this subject

Explaining an argument from different perspectives

E03: Does not reach the minimum standard

E13: Understands some relevant issues from a single viewpoint

E23: Demonstrates a detailed understanding of relevant issues from different perspectives

E33: Displays a comprehensive understanding of relevant issues from diverse perspectives

E43: Has a sophisticated understanding of relevant issues and offers a personal judgement

E3N/A: Not applicable for this subject

Rubric Comments – Working in teams

WT0: Does not reach the minimum standard

WT1: Participates in and contributes to group activities

WT2: Works collaboratively and understands his role in a group

WT3: Works collaboratively and takes initiative

WT4: Takes responsibility for his role in the group

N/A: Not applicable for this subject

Rubric Comments - Creativity and Innovation

CR0: Does not reach the minimum standard

CR2: Uses subject-specific information to create different texts or forms to suit a particular audience and purpose

CR1: Uses subject-specific information to create different texts or forms for an identified purpose

CR3 : Manipulates subject-specific information effectively to create different texts or forms for a particular purpose, context and audience

CR4: Strategically uses subject-specific information to create sophisticated texts or forms to cater to a particular audience, purpose and context

N/A: Not applicable for this subject

Rubric Comments - Communicating Ideas

CI0: Does not reach the minimum standard

CI1: Expresses opinions to others

CI2: Confidently expresses opinions to others and identifies alternative viewpoints

CI3: Convincingly expresses a point of view in a specific context

CI4: Convincingly expresses points of view on complex issues

CIN/A: Not applicable for this subject

## Subject Specific Comments for reporting on PEWCC skills

### Mathematics

#### Rubric Comments - Problem Solving

(P)

- PS0: Does not reach the minimum standard
- PS1: Demonstrates the ability to apply a given skill to solve a particular problem
- PS2: Interprets and communicates the nature of the problem and applies a problem solving strategy
- PS3: Selects appropriate problem-solving strategies to engage with unfamiliar problems
- PS4: Evaluates critically a range of problem-solving strategies for credibility, authenticity and utility.
- PSN: Not observed at the moment.

#### Rubric Comments – Evaluating

(E)

##### *(i) Developing an argument*

- E01: Does not reach the minimum standard
- E11: Interprets the question requirements with basic, self-evident mathematical arguments using the language of Mathematics.
- E21: Interprets the question requirements with some well-developed mathematical arguments using the language of Mathematics.
- E31: Interprets the question requirements with sophisticated arguments using the language of Mathematics.
- E41: Interprets the question requirements with insightful and differentiated arguments using the language of Mathematics.
- E1N: Not observed at the moment.

##### *(ii) Supporting an argument*

- E02: Does not reach the minimum standard
- E12: Supports a mathematical argument with appropriate reasoning.
- E22: Justifies and supports a mathematical argument with detailed and accurate reasoning.
- E32: Justifies and supports a mathematical argument with detailed, accurate and insightful reasoning.
- E42: Justifies, supports and integrates insightful and apt reasoning into a sophisticated mathematical argument.
- E2N: Not observed at the moment.

Rubric Comments – Working in teams (W)

- WT0: Does not reach the minimum standard
- WT1: Participates in and makes a contribution to his group.
- WT2: Participates in and makes significant contributions to his group.
- WT3: Works collaboratively and takes initiative within his group.
- WT4: Works collaboratively, taking responsibility for how his group functions.
- WTN: Not observed at the moment.

Rubric Comments - Creativity and Innovation (Cr)

- CR0: Does not reach the minimum standard
- CR1: Aware that there can be different approaches to solve most particular problems.
- CR2: Able to adapt a given solution to a particular problem to solve an unseen problem.
- CR3: Able to generalise a particular solution to a particular problem to wider unseen problems.
- CR4: Consistently able to demonstrate different approaches to complex problems.
- CRN: Not observed at the moment.

Rubric Comments - Communicating Ideas (Co)

- CI0: Does not reach the minimum standard
- CI1: Can explain mathematical ideas and/or arguments.
- CI2: Confidently explains mathematical ideas and/or arguments and identifies alternative methods of solutions.
- CI3: Convincingly explains mathematical ideas and/or arguments.
- CI4: Convincingly explains mathematical ideas and/or arguments using a variety of methods.
- CIN: Not observed at the moment.

## PDHPE

### Problem solving

- P0 - Health in 2060 exposition did not meet the minimum standard
- P1 - Health in 2060 exposition demonstrated a general ability to apply a given skill to solve a particular problem
- P2 - Health in 2060 exposition interpreted and communicated the nature of the problem and applied a problem solving strategy
- P3 - Health in 2060 exposition selected appropriate problem-solving strategies for specific health issues
- P4 - Health in 2060 exposition critically evaluated a range of problem-solving strategies for specific health issues

## Evaluating

E0 - Does not reach the minimum standard.

E1 - Interprets the premise "It's OK to be different?" with a basic argument and uses relevant vocabulary.

E2 - Interprets the premise "It's OK to be different?" with well-developed arguments and uses relevant vocabulary.

E3 - Interprets the premise "It's OK to be different?" with sophisticated arguments and uses extensive vocabulary.

E4 - Interprets the premise "It's OK to be different?" with insightful and differentiated arguments and uses extensive vocabulary.

## Working in groups

W0 - Not exhibiting the expected standard for working in the group infomercial

W1 - Participates in and contributes to the group infomercial

W2 - Works collaboratively and understands his role in the group infomercial

W3 - Works collaboratively and takes initiative in the group infomercial

W4 - Takes responsibility for his role in the group infomercial

## Communicating ideas

C0 - LPA summary not exhibiting the expected standard

C1 - LPA summary expresses ideas from a simple point of view

C2 - LPA summary expresses ideas from several viewpoints

C3 - LPA summary confidently expresses several viewpoints in multiple contexts

C4 - LPA summary convincingly expresses points of view on complex issues

## Creativity and Innovation

CR0 - Support network card did not reach the minimum standard

CR1 - Support network card used subject-specific information to create different texts or forms for the identified purpose

CR2 - Support network card used subject-specific information to create different texts or forms to suit a particular audience and purpose

CR03 - Support network card manipulated subject-specific information effectively to create different texts and forms for a particular audience, purpose and context

CR4 - Support network card strategically used subject-specific information to create sophisticated texts and forms to cater for a particular audience, purpose and context

## IA

### Problem Solving

P1 - Identifies some factors which influence design problem solving. Implements elementary design ideas / solutions with limited research and communicates ideas in a simple way.

P2 - Develops eloquent solutions for a range of design briefs, using appropriate design methodologies and related theory, and demonstrates a sound understanding of possible design problems.

P3 - Demonstrates sophisticated problem solving strategies and graphical skills to a range of challenging design briefs, using expertise in appropriate design and technology terminology, methods and conventions.

### Evaluating

E1 - Interprets the design brief requirements with limited analysis of the project's limitations.

E2 – Recognises and describes in detail, the design brief analysis, available tools and machinery reflecting the design brief limitations and documentation used to develop and communicate project design solutions.

E3 – Has a thorough understanding and uses appropriate development and project management techniques to analyse a design brief and to conduct an evaluation of the final product design.

E4 – Researches and evaluates from a variety of sources, successful and unsuccessful design and techniques, in constructing their solution to a given design brief.

### Working in Teams

W1 – Has awareness of the need to listen and contribute to group discussions on the design process and is working towards this skill.

W2 - Actively listens, interacts and engages with other peers in group activities, during discussions on good and bad design options of their project brief.

W3 – Thoroughly listens to the contributions of others and effectively leads discussion on a wide range of research methodologies and communication techniques for project design.

### Creativity

CR1 - Develops ideas for designing some limited aspects of their own projects, with the supplied design theory and learnt hand skills.

CR2 - Uses learnt subject specific theory and skills to design and produce different high quality solutions to a particular design brief.

CR3 - Solves specific design problems through in-depth knowledge and understanding of the implications and impact of design and technology on society.

## Communication

CO1 - Conveys design considerations and thought processes to others, through the use of sketches, and verbal explanation, using limited subject meta-language.

CO2 - Displays a thorough understanding of design processing skills and a sound knowledge in the use of all means of written, verbal and graphical communication, in communication solutions to design problems.

CO3 - Applies a comprehensive understanding of both verbal and graphical communication, and design development skills; justifying solutions to practical problems through the application of design techniques.