

2025 AVISTA Challenge Judging Criteria

These are the judging criteria for the AVISTA Challenge. All parts of the submission will be assessed according to the below.

Criteria	0	1	2	3	4
Problem					
Displays an understanding of the problem and what the solution requirements are	Does not meet the requirement	Displays a basic understanding of the problem and what the solution requirements are	Displays a developing understanding of the problem and what the solution requirements are	Displays a detailed understanding of the problem and what the solution requirements are	Displays a comprehensive understanding of the problem and what the solution requirements are
Displays an understanding of the occupations and skills needed in Defence Industry careers	Does not meet the requirement	Minimal reference to the occupations and skills needed in Defence Industry careers	Some reference to roles of skills in Defence Industry careers, but limited detail	Clear and detailed understanding of the occupations and skills needed in Defence Industry careers	Comprehensive explanation of relevant Defence Industry occupations and skills
Solution					
Presents a solution that addresses all parts of the problem	Does not meet the requirement	Solution addresses most parts of the problem	Solution addresses all parts of the problem	Solution addresses all parts of the problem in detail	Solution comprehensively addresses all parts of the problem in detail



Solution demonstrates a creative and innovative approach to the problem	Does not meet the requirement	Solution is conventional with limited creativity or innovation.	Some creativity is evident; shows an attempt to think differently.	Creative solution with innovative elements that address the problem well.	Highly creative and original solution that shows deep innovation and insight into the problem.
Limitations of the solution are clearly communicated	Does not meet the requirement	Minimal or vague discussion of limitations.	Some limitations identified, but not clearly explained.	Limitations are explained with reasonable clarity and some relevant contingencies.	Limitations are thoroughly communicated, with detailed contingencies.
Timeline is clearly represented	Does not meet the requirement	Timeline is vague, incomplete or hard to follow.	Timeline shows some planning, but lacks detail or clarity.	Timeline is clear and mostly detailed, showing logical sequencing.	Timeline is highly detailed, well-structured, and realistic with clear milestones.
Technology					
Demonstrates an understanding of the underlying scientific and technological concepts in solving the problem	Does not meet the requirement	Limited understanding of concepts; key ideas are missing.	Some understanding shown; a few inaccuracies or gaps in explanation.	Solid understanding demonstrated with minor errors or omissions.	Thorough and accurate understanding of relevant scientific and technological concepts.



Technology is used in a way that is feasible and appropriate, and shows understanding of the limitations of the technologies	Does not meet the requirement	Technology use is basic or unrealistic; little awareness of limitations.	Some appropriate use; some understanding of feasibility or limitations.	Technology is used appropriately and feasibly, with a good awareness of limitations.	Technology is applied expertly and innovatively, with strong awareness of both potential and limitations.
Presentation					
Demonstrates a clear understanding of the audience and the needs of the audience	Does not meet the requirement	Little evidence of audience awareness.	Some consideration of audience, but needs are not fully addressed.	Good understanding of audience, with most needs addressed.	Deep understanding of audience; content is tailored effectively and thoughtfully.
Submission is well structured, logically ordered, clear and engaging	Does not meet the requirement	Poorly structured; hard to follow; lacks engagement.	Some logical structure; occasionally unclear or disjointed	Well structured and clear; generally engaging and easy to follow	Exceptionally well structured, cohesive, and highly engaging
Images and other media are used to enhance the submission, and are useful effectively	Does not meet the requirement	Few or poorly used visuals; do not add value to submission.	Some visuals/media are relevant, but not used effectively	Visuals and media enhance the submission and support understanding.	High-quality visuals/media are highly effective and clearly enhance communication.
Ideas are presented in a concise manner	Does not meet the requirement	Within submission limit, but wordy or difficult to understand.	Within submission limit, but ideas may be occasionally wordy or unclear.	Clear and mostly concise; minor issues with length or clarity.	Exceptionally clear and concise, with precise presentation of ideas.