

Sample Assessment Schedule 2026

Materials and Processing Technology: Demonstrate understanding of sustainable practices in the development of a Materials and Processing Technology design (92014)

Assessment Criteria

Achievement	Achievement with Merit	Achievement with Excellence
<p><i>Demonstrate understanding of sustainable practices in the development of a Materials and Processing Technology design involves:</i></p> <ul style="list-style-type: none"> using sustainable practices in the development of a design for a person, whānau, or community. 	<p><i>Examine sustainable practices in the development of a Materials and Processing Technology design involves:</i></p> <ul style="list-style-type: none"> refining the use of sustainable practices in the development of the design for a person, whānau, or community. 	<p><i>Evaluate sustainable practices in the development of a Materials and Processing Technology design involves:</i></p> <ul style="list-style-type: none"> evaluating decisions about sustainable practices in the development of the design for a person, whānau, or community.

Sufficiency Statement

N1	N2	A3	A4	M5	M6	E7	E8
The response shows limited understanding of sustainable practices in the design development.	The response shows some attempt at understanding of sustainable practices in the design development.	The response shows understanding of sustainable practices in the design development, although some aspects may be partial or weak.	The response clearly shows understanding of sustainable practices in the design development.	The response explains refined sustainable practices in the design development, although some parts of the explanation may be partial or weak.	The response clearly explains refined sustainable practices in the design development.	The response evaluates sustainable practices in the design development, although some parts of the discussion may be partial or weak.	The response clearly evaluates the sustainable practices in the design development.

N0 = No response; no relevant evidence.

Cut Scores

Not Achieved	Achievement	Achievement with Merit	Achievement with Excellence
0–2	3–4	5–6	7–8

Evidence Statement

Achievement	Achievement with Merit	Achievement with Excellence
<p>The candidate uses and provides evidence of the development of a design, including:</p> <ul style="list-style-type: none"> • a design, and its intended environment and specifications • designing for a person / whānau / community • identifying and describing materials / resources for use in the design • research into sustainable practices or feedback from relevant stakeholders (expert or end user). 	<p>The candidate demonstrates refinement of the use of sustainable practices in the development of the design, with reference to research into sustainable practices OR relevant stakeholder feedback (expert or end user).</p> <p>This could include some or all of the following:</p> <ul style="list-style-type: none"> • how decisions were guided by the consideration of kaitiakitanga in relation to environmental responsibilities • how sustainable practices impacted their material / resource selection • how materials / resources were used economically • how waste materials / resources were disposed of. 	<p>The candidate evaluates decisions that informed the improvement of the design for a person, whānau, or community, with reference to research into sustainable practices OR relevant stakeholder feedback (expert or end user).</p> <p>This could include some or all of the following:</p> <ul style="list-style-type: none"> • how decisions were guided by the consideration of kaitiakitanga in relation to environmental responsibilities • the sustainable practices followed • disposal of the waste materials / resources.
<p>The candidate uses and provides evidence of sustainable practices in the development of the design. This could include some or all of the following:</p> <ul style="list-style-type: none"> • consideration of kaitiakitanga in relation to the environment • consideration of sustainable practices when selecting and disposing of materials / resources • using materials / resources economically. 		

Sample Evidence

Achievement	Achievement with Merit	Achievement with Excellence
<p>My grandmother asked me to make a dessert for an upcoming family celebration. I chose locally grown feijoas, because they were free and didn't need to be transported from another country. This made my feijoa tart sustainable. The skins were composted in the school's compost bin.</p>	<p>My grandmother asked me to make a dessert for an upcoming family celebration. I chose locally grown feijoas, because they were free. This means I had money left in my budget to buy more expensive organic flour. I researched the environmental cost of fruit production, and fruit and vegetables create 36% of all global food-miles emissions, almost twice as much CO₂ as is produced growing them, so choosing local feijoas is far better for the environment.</p> <p>I composted the feijoa skins at school. The compost is used to fertilise the school's kitchen garden. My teacher advised me that this would be a good way to dispose of the skins and fruit waste, and makes sure the waste is useful.</p>	<p>My grandmother asked me to make a dessert for an upcoming family celebration. I originally planned to make a strawberry tart because my grandmother loves strawberries, but when I researched them, I found out that strawberries require a lot of water and are out of season, so they would need to be imported from overseas. This increases the carbon footprint.</p> <p>My grandmother said she also loves feijoas, and I was able to get them for free from my neighbour, so I decided on a feijoa tart instead. Because I didn't need to buy the fruit, I could choose from different flour options and still be within budget. I chose to buy more expensive organic flour, as my grandmother uses this when she can.</p> <p>I have also been exploring different ways of disposing of the feijoa skins. I looked at composting, pickling for eating with cheese, and educating people about the eating of the skins.</p>

Note: This standard does **not** require the design to be developed into a physical outcome.