

Assessment Rubric - Design Your Own Net Zero Home

Criteria	Excellent (4)	Proficient (3)	Developing (2)	Beginning (1)
Objective: Design a Net Zero Home	The design demonstrates a comprehensive understanding of net-zero home principles.	The design shows a good understanding of net-zero home principles.	The design shows a basic understanding of net-zero home principles	The design needs to show more knowledge of net-zero home principles.
Orientation and Building Materials	The design expertly utilises building orientation and materials to maximise energy efficiency and sustainability.	The design effectively utilises building orientation and materials to enhance energy efficiency and sustainability.	The design considers building orientation and materials but needs more creativity in maximising energy efficiency and sustainability.	The design neglects building orientation and materials, reducing energy efficiency and sustainability.
Energy Efficiency	The design uses advanced energy-efficient heating, cooling, lighting, appliances, and insulation features, with a clear explanation of their impact.	The design includes energy-efficient features in heating, cooling, lighting, appliances, and insulation and explains their impact.	The design includes basic energy-efficient features but needs more depth in explaining their impact.	The design lacks significant energy-efficient features and an explanation of their impact.
Renewable Energy Sources & Storage	The design integrates multiple renewable energy sources and storage, demonstrating a comprehensive understanding of their application and impact.	The design integrates renewable energy sources and storage effectively, clearly understanding their application and impact.	The design includes renewable energy sources and or/storage but needs more depth in understanding their application and impact.	The design needs to integrate renewable energy sources or storage and an understanding of their application and impact.
Innovation	The design incorporates innovative technologies and solutions, setting it apart as a standout example of net-zero home concepts.	The design includes innovative technologies and solutions, contributing to its overall quality.	The design includes some innovations but needs more depth in its application.	The design needs innovative technologies and solutions.
Design and Explanation	The design is presented with detailed floor plans and a comprehensive written explanation that effectively links design choices to energy consumption and environmental impact.	The design includes floor plans and a clear written explanation linking design choices to energy consumption and environmental impact.	The design provides basic floor plans and a written explanation with limited depth in linking design choices to energy consumption and environmental impact.	The design needs floor plans, and the written explanation needs more detail in linking design choices to energy consumption and environmental impact.
Presentation	The presentation is clear and engaging and effectively conveys design ideas with exceptional use of visual aids, diagrams, and tools. Design choices are thoroughly explained, highlighting their role in achieving net-zero status.	The presentation is clear and effectively conveys design ideas using visual aids, diagrams, and tools. Design choices are explained, demonstrating their role in achieving net-zero status.	The presentation is somewhat clear but may benefit from improved visual aids, diagrams, and tools. Design choices are explained, but some depth needs to be improved.	The presentation needs more clarity and does not effectively convey design ideas. Visual aids, diagrams, and tools are insufficient. Design choices could be better explained.

