

Design and Technology

Year 3

Date:

Big Question: **How can we test mock ups inspired by Ludwig Mies Van Der Rohe?**

Takeaways



- To use research to inform knowledge of stable structures.



- To use knowledge of construction and joining materials to test mock ups.

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Date:

Big Question: **How can we construct an Iron Age House replica? DOUBLE SESSION**

Takeaways



- To use a design brief to evaluate how stable their product is, using this to suggest a design improvement.



- To know how to create a hidden join.



- To select suitable construction to create a free-standing structure.

Date:

Big Question: **How do buttresses make a structure stable?**

Takeaways



- To use knowledge of construction and joining materials to test mock ups.



- To know how to score using scissors.



- To know that a buttress is placed against a wall to make a structure more stable.

Date:

Big Question:

How can we create hidden joins?

Takeaways



- To use knowledge of construction and joining materials to test mock ups.



- To know how to create a hidden join.

Date:

Big Question: **How can we design an Iron Age House replica?**

Takeaways



- To apply their knowledge of mock-up evaluation in their designs.



- To communicate their designs using labelled sketches and ordered steps.

Date:

Big Question: **How are structures made stable and strong?**

Takeaways



- To know how to score using scissors.



- To know that the shape and size of a structure's base affects its stability.