



Roof Dormers

Card Matching Game

An interactive learning activity for construction students.

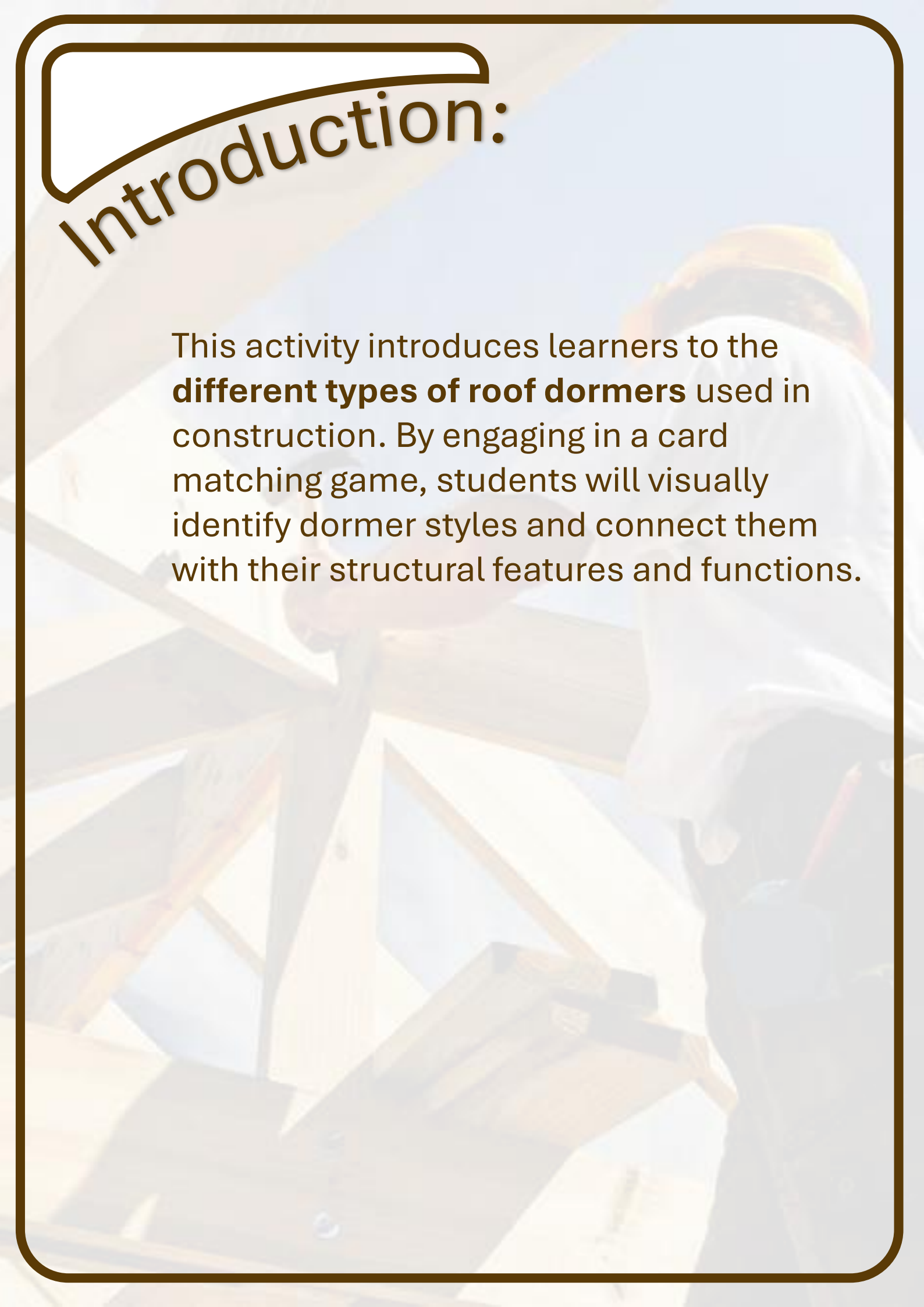


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Lecturer: James Rix

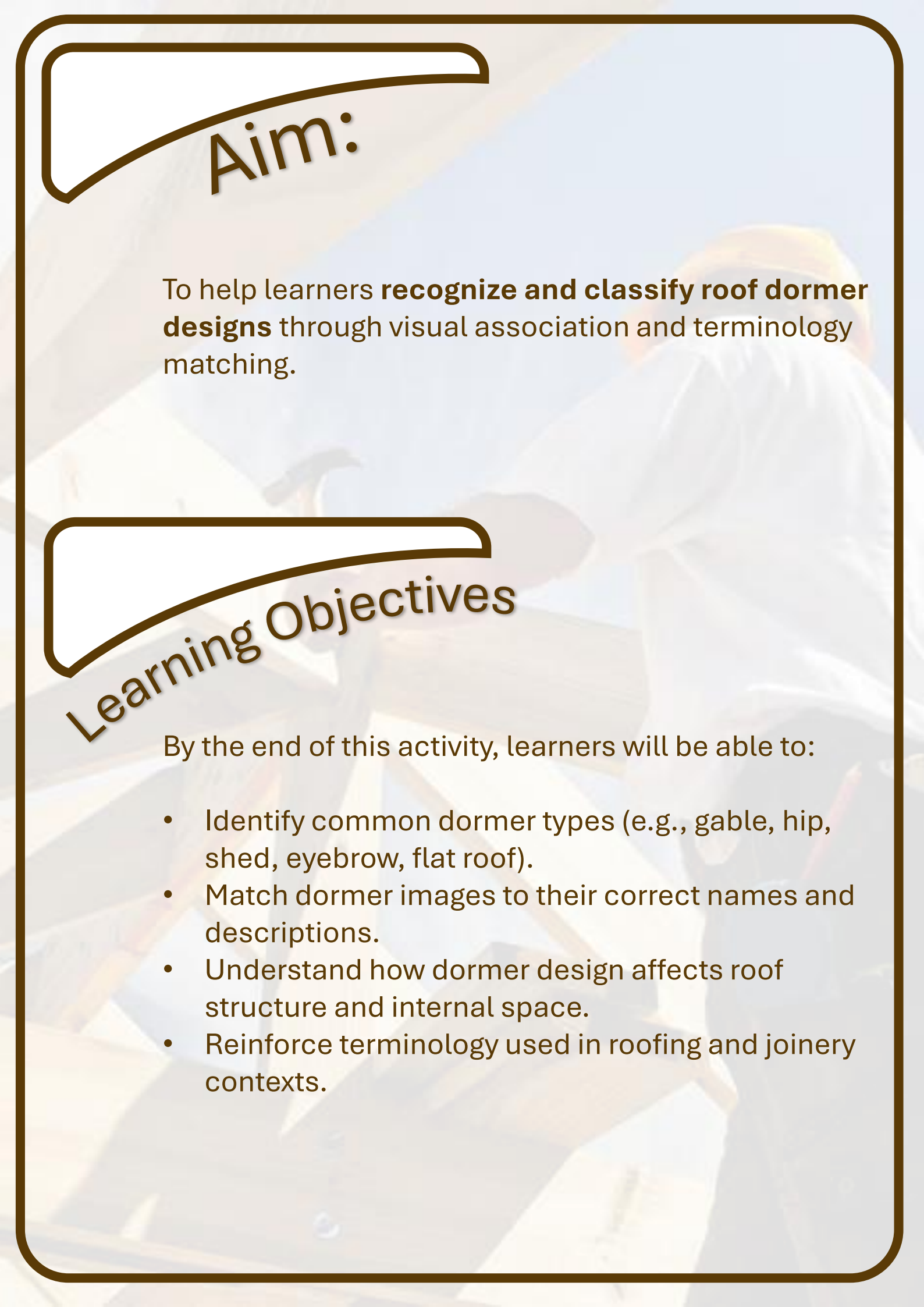
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Introduction:

This activity introduces learners to the **different types of roof dormers** used in construction. By engaging in a card matching game, students will visually identify dormer styles and connect them with their structural features and functions.



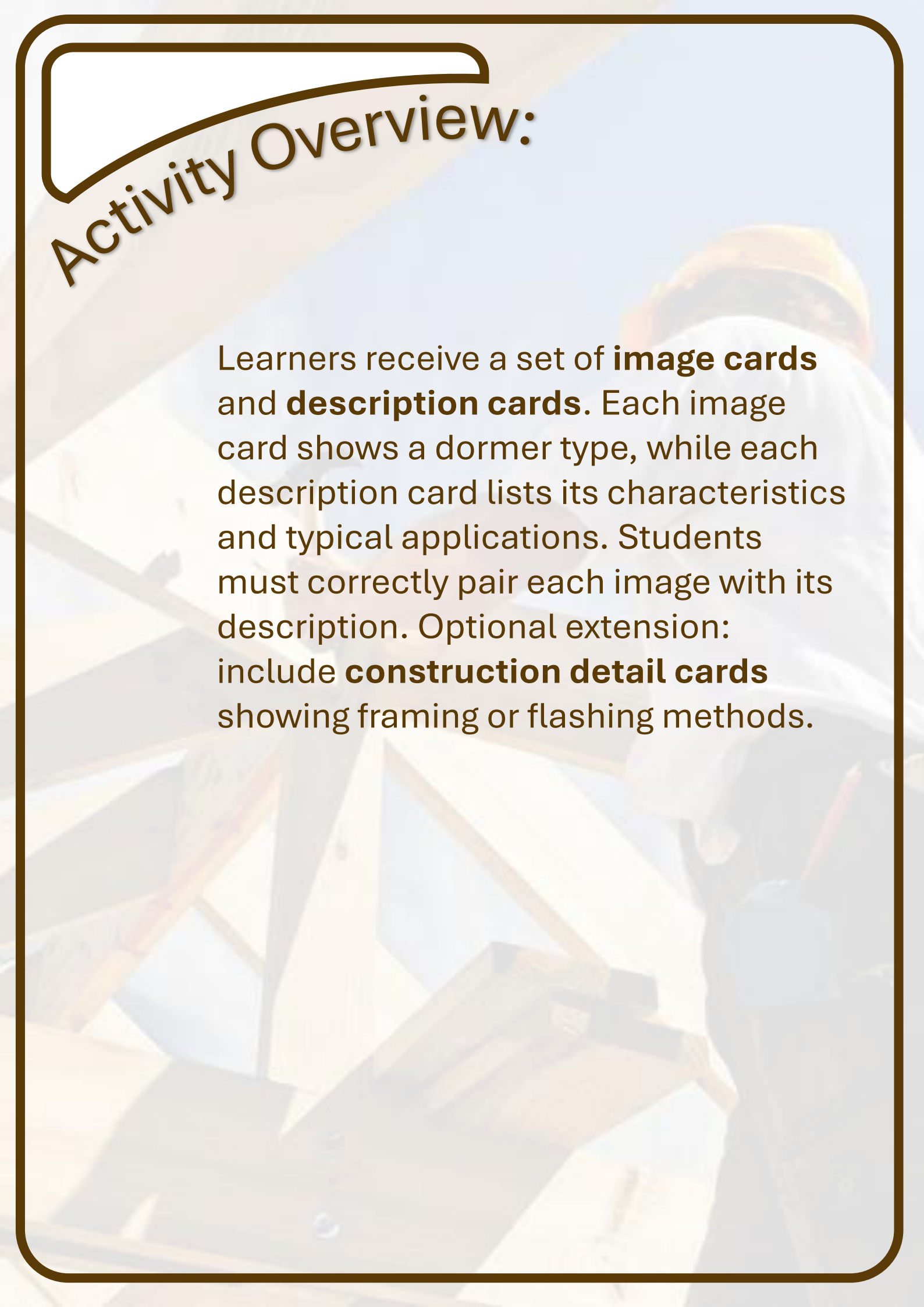
Aim:

To help learners **recognize and classify roof dormer designs** through visual association and terminology matching.

Learning Objectives

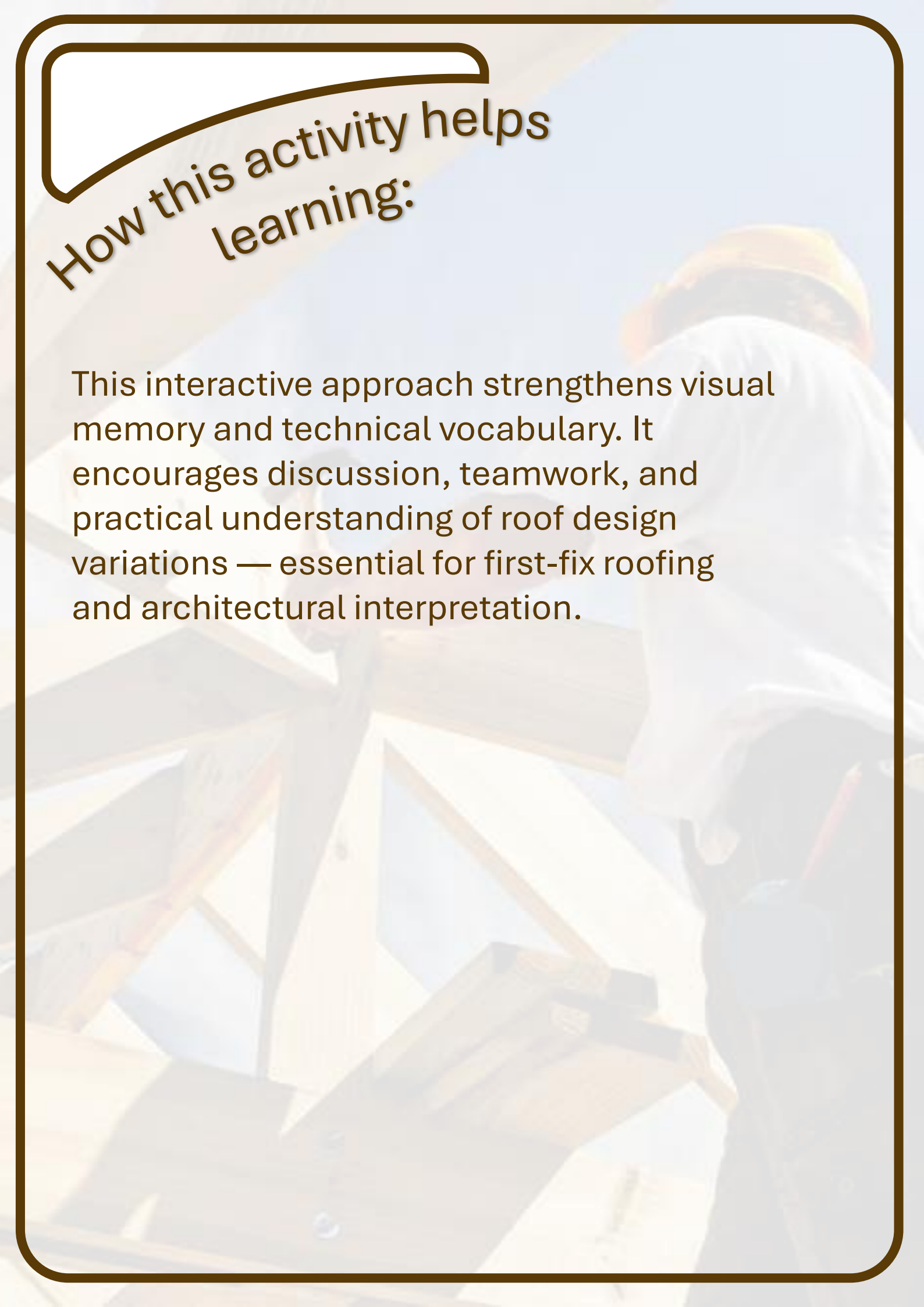
By the end of this activity, learners will be able to:

- Identify common dormer types (e.g., gable, hip, shed, eyebrow, flat roof).
- Match dormer images to their correct names and descriptions.
- Understand how dormer design affects roof structure and internal space.
- Reinforce terminology used in roofing and joinery contexts.



Activity Overview:

Learners receive a set of **image cards** and **description cards**. Each image card shows a dormer type, while each description card lists its characteristics and typical applications. Students must correctly pair each image with its description. Optional extension: include **construction detail cards** showing framing or flashing methods.



How this activity helps learning:

This interactive approach strengthens visual memory and technical vocabulary. It encourages discussion, teamwork, and practical understanding of roof design variations — essential for first-fix roofing and architectural interpretation.

Student Instructions:

1. Lay out all dormer image cards face up.
2. Read each description card carefully.
3. Match each dormer image to its correct description.
4. Check your answers using the lecturer's key.
5. Discuss how each dormer type affects roof pitch, drainage, and aesthetics.



Lecturer Instructions.

- Print and laminate the card sets for repeated classroom use.
- Divide students into small groups (2–4 learners).
- Encourage learners to justify their matches using construction terminology.
- Use the activity to introduce or reinforce roof structure lessons.
- Optional: integrate with CAD or SketchUp models for visual demonstration.

Scaffolding Options:

- Provide simplified cards with only two dormer types for beginners.
- Offer labeled diagrams for learners needing visual support.
- Use unlabeled cards for advanced learners to test recall.

Differentiation Strategies.

- **Visual learners:** focus on image recognition.
- **Auditory learners:** discuss dormer features aloud.
- **Kinesthetic learners:** physically sort and group cards.
- **Advanced learners:** research additional dormer variations and present findings.

3D Model Activity

Activity

Dormer Windows

Name Cards



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Hipped

3D Model Activity

Activity

Dormer Windows

Name Cards



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Segmented

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Activity

Dormer Windows

Name Cards



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Shed

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Activity

Dormer Windows

Name Cards



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Pitched

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Activity

Dormer Windows

Name Cards



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eyebrow

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Activity

Dormer Windows

Name Cards



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Flat

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Activity
Dormer Windows

Photo Cards



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Activity
Dormer Windows

Photo Cards



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Thank You.

We would like to say thank you for using this learning material, we hope you found it useful.



If you have any questions regarding this or any other learning material produced by James, or have any suggestions about improvements or ideas please email James Rix at:

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