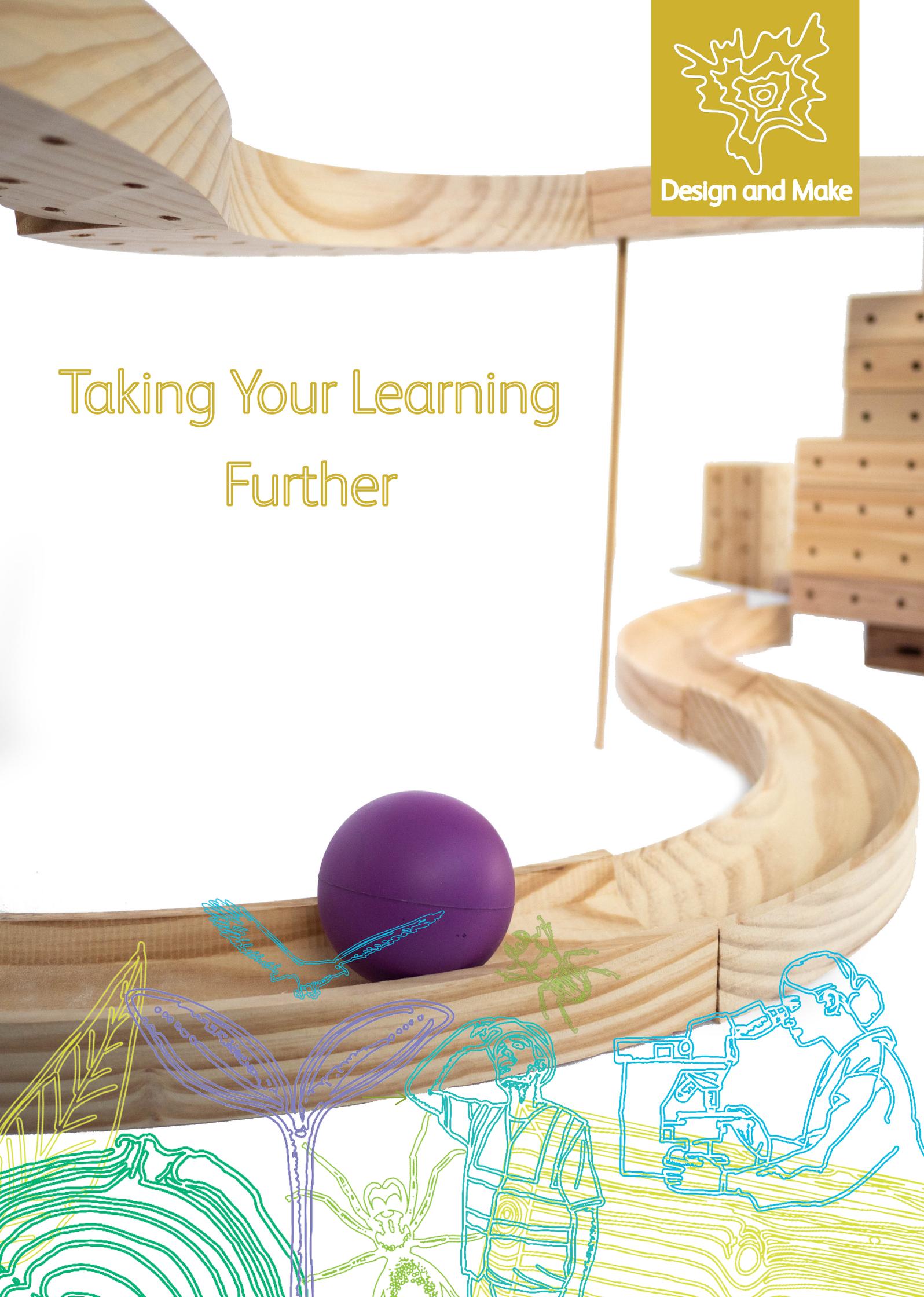




Design and Make

Taking Your Learning Further



Combining Kits

While the kits can be used individually, each kit has been designed to compliment and fit together with the other kits. The Marble Run and the Blocks can be used together to extend and build the length of the Marble Run and the Species Hotel can be used in collaboration with the Interlocking Pieces to create larger, more versatile structures. All of the individual parts of the kit can also be used together.



Rube Goldberg Machine

Materials:

- All four kits combined

Task:

- Students construct a path where a series of chain reactions are positioned to achieve a final goal.

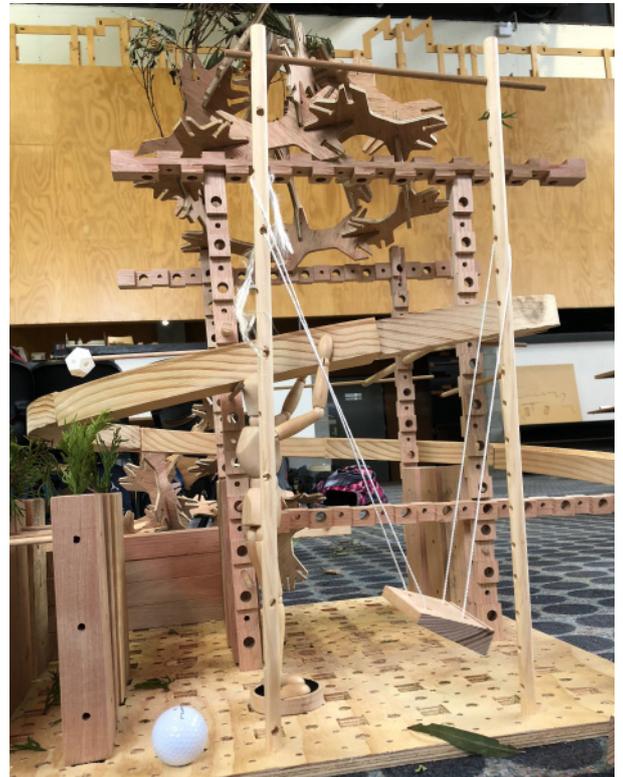
Student Directed Inquiry

Materials:

- All four kits combined

Task:

- Students develop a goal for construction based on an inquiry question that interest them. Combining the kits may act as a culmination and representation of their learning.



Design Your Own



Design and Make

Can you design a component or activity for the kit?

Why not challenge your students to extend the Design and Make experience by designing and developing a component or challenge for other students to use when they borrow the Design and Make Box.



How can we take the box further?

Can your students come up with a challenge using components of the Design and Make Box? Using the Design Thinking Model develop an activity for other students to attempt when they borrow the box. The FEF is offering prizes for the most creative and thoughtful activities.

Does your school have access to a 3D printer or wood work facility?

Encourage your students to use the Design Thinking Model to create and make a new component for the kit. The FEF is offering prizes for the most unique and innovative designs.

How have you used the kit?

The FEF hopes the Design and Make box will be dynamic and ever changing as students engage with it.

Please share your experiences with us so we can add to and build on the kit and celebrate your students' learning. Why not send a photo or video of your students participating with the kit or share your students designs and reflections? These can be added to the Online Portal to assist other teachers in their planning.

