

# 2021 SCHOOL INCURSION PROGRAM

Make&Meld Incursions bring design-thinking to primary school students as they explore, imagine, design and build their own creations using real tools and sustainable materials.

Project and Inquiry Based learning across curriculum areas for Prep to Grade 6

## HASS + Design

### Mini Towns - Places in your neighbourhood (Prep to Year 2)



What are key features in your neighbourhood? Why are they important to you and where are they located in relation to each other? During this collaborative project, your class will work together to design and build a model of their neighbourhood. An opportunity to explore why places are special to people and ways they can care for their community. All in the context of playing and getting hands-on using real woodworking tools to build their buildings, vehicles and people! Learnings are extended to include discussion of location and distance for year 1 and 2's.

**HASS (Geography) + Maths (Location) + Design and Technology - Knowledge and Understanding and Processes and Production**



## Science + Design

### Sink or Float - Making Wooden boats! (Prep + Year 1)

Can you build a boat that floats? Kids will explore properties and shapes of objects whilst getting hands-on using tools and equipment to safely build their own little wooden boats!

This project introduces kids to the design process as they experiment with shapes, sizes and materials to produce a boat that floats. Once complete, kids can observe theirs and other designs in action!!

**Science Understanding - physical Science (the way objects move ACSU005) and Chemical Science (properties of materials ACSSU003) + Design and Technology - Knowledge and Understanding and Processes and Production**



## Literacy + Numeracy

### Phonics phones (Prep)

Using everyday materials (including cardboard and pvc pipe) students assemble and decorate their own phonics play phone. Kids get crafty, developing fine motor skills, and each child can then take their own phonics phone back to classroom to use in reading practice. This project extends the well-known phonics phone reading aid (a must in any prep classroom) to include an imaginary play element.

**English - Language (phonics) + Science understanding - Chemical Science (materials) and Physical Science (Sound)**

### Dominoes (Year 1)

Does your class love playing maths games? Work together as a class to build your own domino set by sawing wooden blocks and using a hammer and nail punch to create your number dots. This collaborative class project focuses on learning about numbers as well as games from the past all embedded within an engaging hands-on woodworking project.

**Maths (numbers and place value) + Science Understanding - Chemical Science (materials)**



### Friends of Ten Abacus (Prep and Year 1)

Which numbers can be added to make ten? This hands-on project provides an opportunity for students to practice counting, adding and subtracting using 'friends of ten! Students are guided to build and decorate their own Friends of 10 Abacus using a range of materials and real tools including saws, hammers and hand drills. Bring these home or use them in the classroom to inspire a love of learning!

**Maths (numbers and place value) + Science understanding - Chemical Science (materials)**

### Friends of Ten Counting Blocks (Prep and Year 1)

Excite the younger years with hands-on learning as they use real woodworking tools (including saws and hammers) and learn how to safely use materials and equipment to build and decorate their own Friends of Ten Counting Blocks. Kids are introduced to basic measuring skills whilst building their blocks and then use the final product as an aid in adding and subtracting to ten.

**Maths (numbers and place value) + Chemical Science (materials)**

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Linking design thinking, sustainability and hands-on learning across curriculum areas!

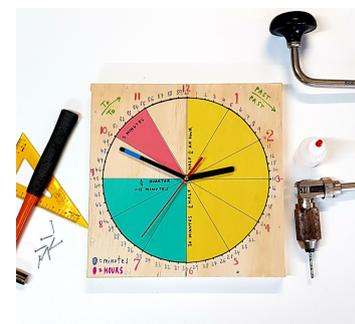
## Maths + Design

### Analogue Clocks (Year 1 to Year 3)

How would you design your own clock to help yourself learn to tell the time?

In this project students build and assemble a working clock whilst learning to draw a perfect circle and exploring angles using basic tools and techniques. They then decorate the clock face based their own unique designs, using numbers, colours and symbols in ways that helps them to learn to tell the time.

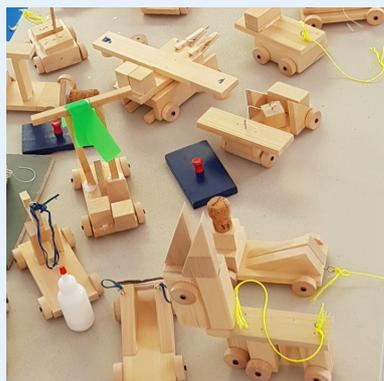
**Maths - Measurement and Geometry + Design and Technology - Knowledge and Understanding and Processes and Production**



## Science + Design

### Forces in Motion - Design Challenge (Year 2 + Year 4) Make a toy with moving parts!

Explore push and pull forces in the context of designing and producing a toy with moving parts!! Students are given a design brief and use the design process to design their own toy which demonstrates how forces make objects move. During our maker incursion kids then use tools (such as hammers, saws and screw drivers) to build their toy. Observations are then made using toy to demonstrate forces at play. Prizes are given to the top 3 designs! Yr 4's extend their inquiry into both contact and non-contact forces and include them in their designs.



**Science Understanding (Physical Science - Push and Pull ACSSU005 / Forces ACSSU076), Science as Human Endeavour and Science Inquiry + Design and Technology - Knowledge and Understanding and Processes and Production**

### Cloud Lamps (Year 1)



What type of cloud will you make? Use your knowledge of clouds to create and produce a night light using a range of everyday materials and hand tools.

**Science Understanding - Earth and Space Science (changes in the sky and landscape) and Physical Science (light) + Knowledge and Understanding and Processes and Production**

### Paper in Design - Explore paper products - Year 2, 3 and 4



How is paper made and what are some ways it can be re-used and recycled to make paper products?

[Recycled Paper Making](#)

Learn how paper is made and consider sustainability in the production process. Students get hands-on to re-use and recycle waste paper to make paper pulp and produce their own recycled paper.

[Papercrete design creations](#)

This program can be extended to include learning how to mix recycled paper pulp with other materials to make papercrete and then use it in the design process to produce their own unique creations.



**Science - Science Understanding (Chemical Science - Materials ACSSU031 and ACSSU074), Science as Human Endeavor and Science Inquiry + Design and Technology - Knowledge and Understanding and Processes and Production**

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## Under 8's Day / School Fetes



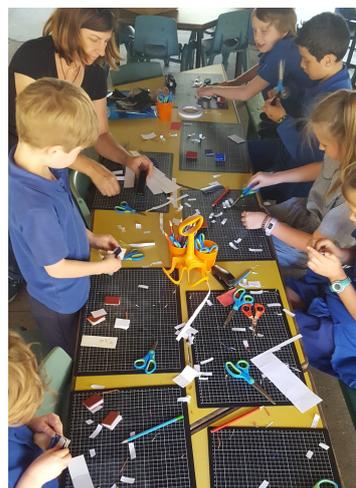
Looking for exciting Hands-on activities to include in your Under 8's Day or as part of a school fete?

Make&Meld offer open ended play in the form of a **Tinker Tent**, which involves children playing and creating with a selection of off-cuts and various bits and pieces of hardware and recyclables. Parts are assembled using a variety of Hand Tools with guidance provided by our facilitators.



Other activities **Leather Scrap Jewellery, Mini Planes, Card Printing and more!** For all enquiries email [info@makeandmeld.com.au](mailto:info@makeandmeld.com.au) or call 0401632421

## After School Maker Club



Make&Meld would love to come to your school to run an Afterschool Maker Club as part of your school's after school or lunch time extracurricular activities.

Maker Club runs as a term-long program and includes a different maker project every week. The focus is on fun hands-on projects that show kids ways to use everyday materials, tools and techniques to make useful and fun projects that they can take home and be proud of.

Kids will learn new skills, develop fine and gross motor skills, and have fun delving into the creative process. Great for all makers, crafters and creators - from prep to grade!!



**Incursions starting from \$14 per child, plus materials**  
**We'll work with you to provide the best Incursion fit for your school -**

**LEARNING BY DOING**  
**HANDS-ON projects**  
**EXPLORING**  
**the use of MATERIALS,**  
**TOOLS & TECHNIQUES in the**  
**DESIGN PROCESS**  
**Building CREATIVITY and**  
**CONFIDENCE**  
**and providing opportunities for**  
**STUDENT-DRIVEN PLAY-BASED**  
**LEARNING**

- Programs can be customised to compliment the needs of your school.
- We work with Curriculum Coordinators and Teachers to ensure we meet the specific learning needs of your group.
- Extension resources can also be provided to include learning in the classroom beyond the incursion.
- Extensive insurance and full risk assessments are provided for all sessions.

**A local Brisbane based business supporting local schools!**



For more information and bookings please email [info@makandmeld.com.au](mailto:info@makandmeld.com.au)