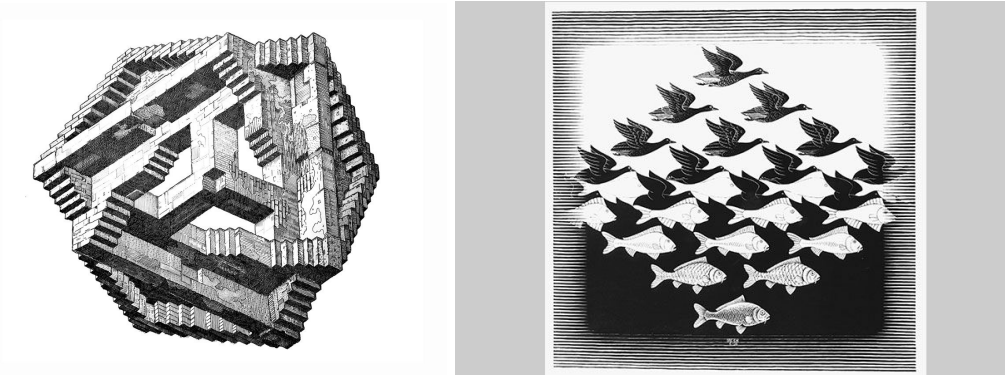


# Maths Inspired Art

An Etching on Brass Plate

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Gr11 /// PMM /// Term 2 /// 2020



Term 2's theme has been inspired by the <http://www.mathart.co.za/> competition initiated by the education department. We want to explore the link between making art and understanding maths principles.

Each learner is to find a connection between a visual composition and being able to explain this using a mathematical explanation.

Patterns, tessellations, fractals, proportion and perspective are all themes one could explore in this term 2 project. I suggest learners keep their final compositions simple and clean. Simple black line work as we are producing hard ground etchings in class.

Each learn has already been given a brass etching plate and therefore has the size (39cm x18cm) of the final composition. By the end of this 3 week holiday each learner is expected to have these compositions completed.

Hopefully the first lesson of term 2 will be 16 April. We will start preparing our etchings plates. See term 2 timetable for dates.

**We will be working in hard ground therefore compositions need to be only line work and mark making. Explore different line work options such as hatching, cross hatching.**

## Deliverables

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### Source Book:

Please complete the following in SB

1. **10 composition** ideas for Maths in Art etchings plate - use **A3 pages** which you can attach to the source book in a plastic sleeve.
2. Research the intaglio printmaking process and explain in source book using sketching and point form wording. Look into HARD GROUND etching process. Please take note of all the links that were sent via WhatsApp.
3. Artist Research on 2 SOUTH AFRICAN intaglio printmakers - Two Artists - each with one artwork example printed out and glued into book.
4. Continuous line drawings, sketches all themed to this project. Watercolour experiments, use what you have at home. Food colouring, tea, coffee - paint, draw and play!

### Final Etching:

Themed to Maths in Art. Two final hard ground etching prints to be signed and editioned. Printing to be done in class.

Possible Term 2/3 timetable: Still unsure.

ASSESSMENT CRITERIA	Name:	
<b>TOPIC 1: SOURCEBOOK</b>		<b>COMMENTS</b>
<b>Concept development Compositions</b> Mind maps, annotated sketches and drawings to show concept development	<ul style="list-style-type: none"> <li>● quick mind map Maths in Art</li> <li>● Compositions</li> <li>● development of symbolic content</li> </ul>	
<b>Research, investigation, experimentation ,etc</b> Sketches, poems, lyrics, inspirational material	<ul style="list-style-type: none"> <li>● Other experimental pages</li> <li>● Continuous line drawing</li> <li>● blind contour drawing</li> <li>● Intaglio hard ground research</li> </ul>	

(Artists research) Experimentation of media and different techniques	<ul style="list-style-type: none"> <li>• 2 x artist research</li> <li>•</li> </ul>	
<b>Presentation and overall view</b> Visually interesting showing a personalised approach 8-10 pages long	<ul style="list-style-type: none"> <li>• Reflection on process and symbolic content</li> <li>• commitment to process exercises</li> <li>• level of integrity of work – is it original ( no cliché) and ‘honest’</li> </ul>	
Total	Comments:	
Reduced total		<b>/50</b>
<b>TOPIC 2: THE ARTWORK</b>		<b>COMMENTS</b>
<b>Etching process</b>	<ul style="list-style-type: none"> <li>• Understanding of process</li> <li>• Engagement</li> <li>• Technical skill</li> </ul>	
<b>Use of formal art elements</b>	<ul style="list-style-type: none"> <li>• The importance of the elements and principles of art such as line, shape, colour, texture, space, rhythm, balance, harmony, proportion and composition</li> </ul>	
<b>Overall impression of work- originality, creativity, innovation</b>	<ul style="list-style-type: none"> <li>• Generation of new, unique and novel response/solutions</li> </ul>	
<b>Interpretation and practical</b>	<ul style="list-style-type: none"> <li>• Personal interpretation of a theme</li> <li>• Experimenting</li> </ul>	

<b>implementation of research</b>	<ul style="list-style-type: none"> <li>● Trying new challenges</li> </ul>	
<b>Completion and presentation of artwork</b>	<ul style="list-style-type: none"> <li>● Attention to detail</li> <li>● Task completed in allocated time</li> <li>● Presentation according to task</li> </ul>	
Topic 2 total	Comments	<b>/50</b>
Topic 1 + Topic 2		<b>/100</b>