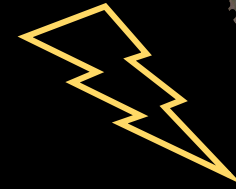


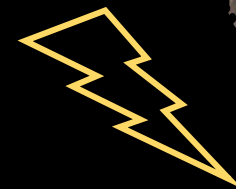
Incorporating Versatility in the Design of Tactile Teaching Aids for Blind and Visually Impaired Students

A Case Study

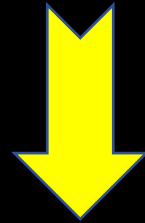


Dr Claire Garrett
childsPly VISION
Melbourne, AUSTRALIA





COLOUR



SHAPE

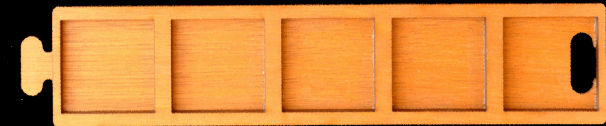


The Key Feature

3cm x 3cm x 5mm “well”

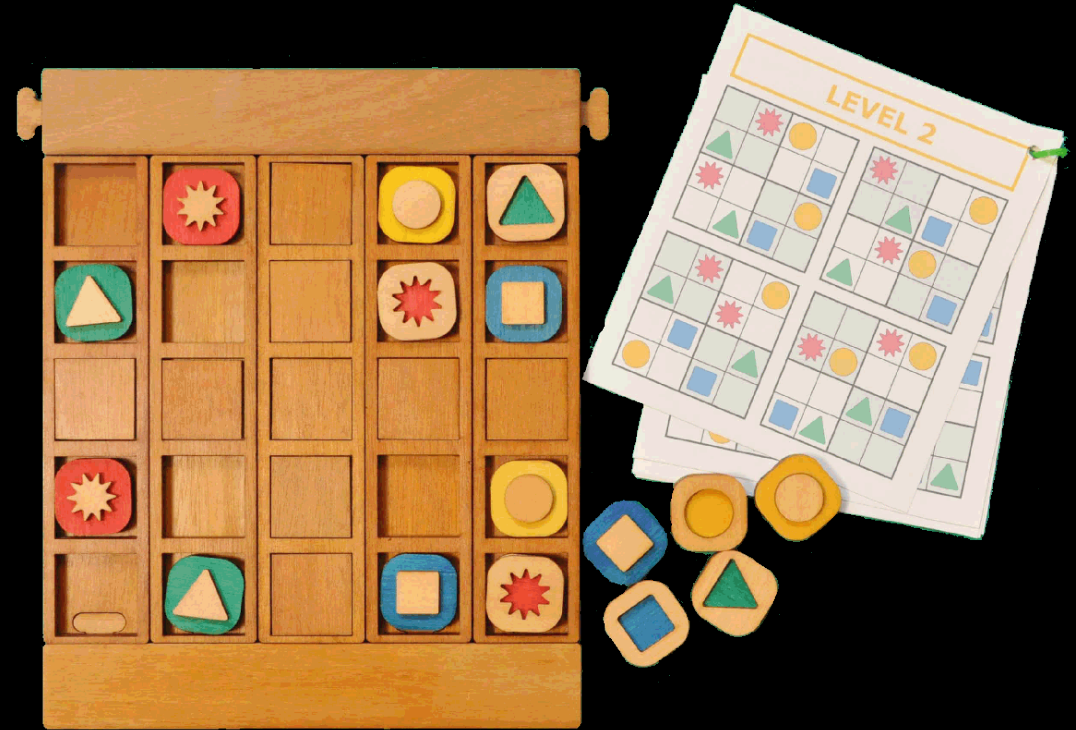


A PATTERN RECOGNITION GRID



The basic linear 5 "well" module

VERSATILITY of ARRAY



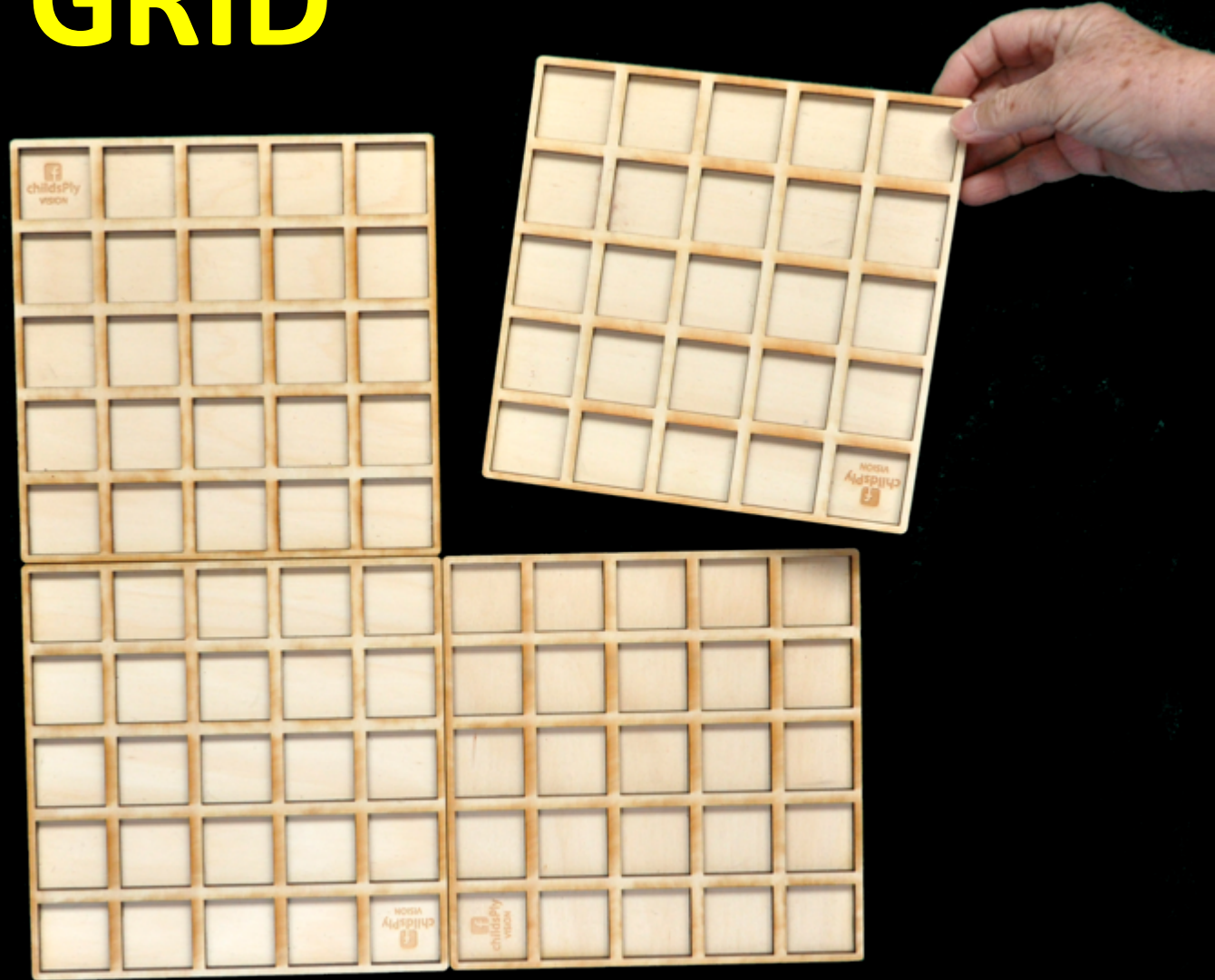
Transition from 5x1 to 5x5 Grids



The 5x5 Modular GRID



3mm non-slip foam location pads





Can a Laser etch BRAILLE ?



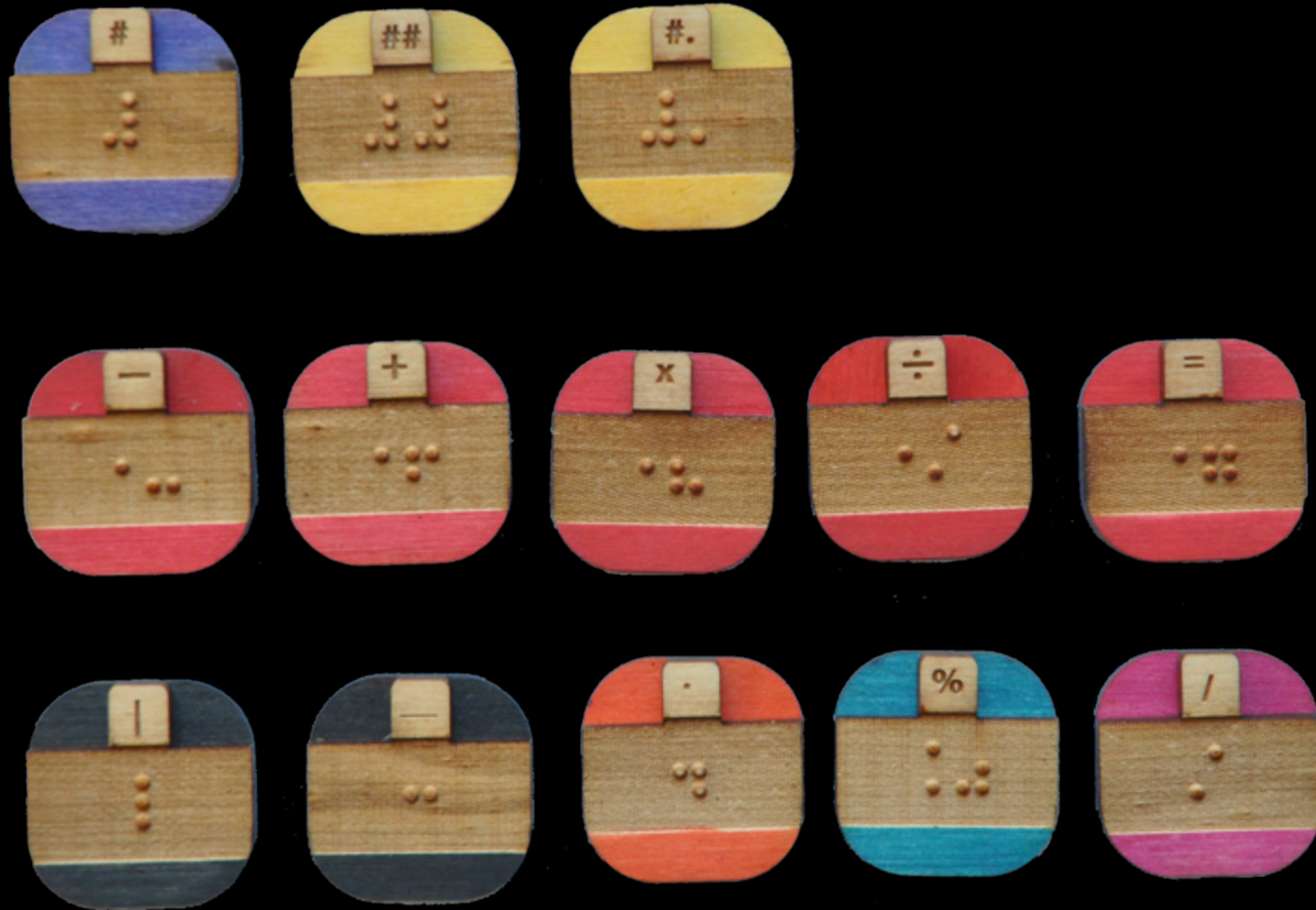
YES!



MATHS LAYOUT KIT



The Final Lineup

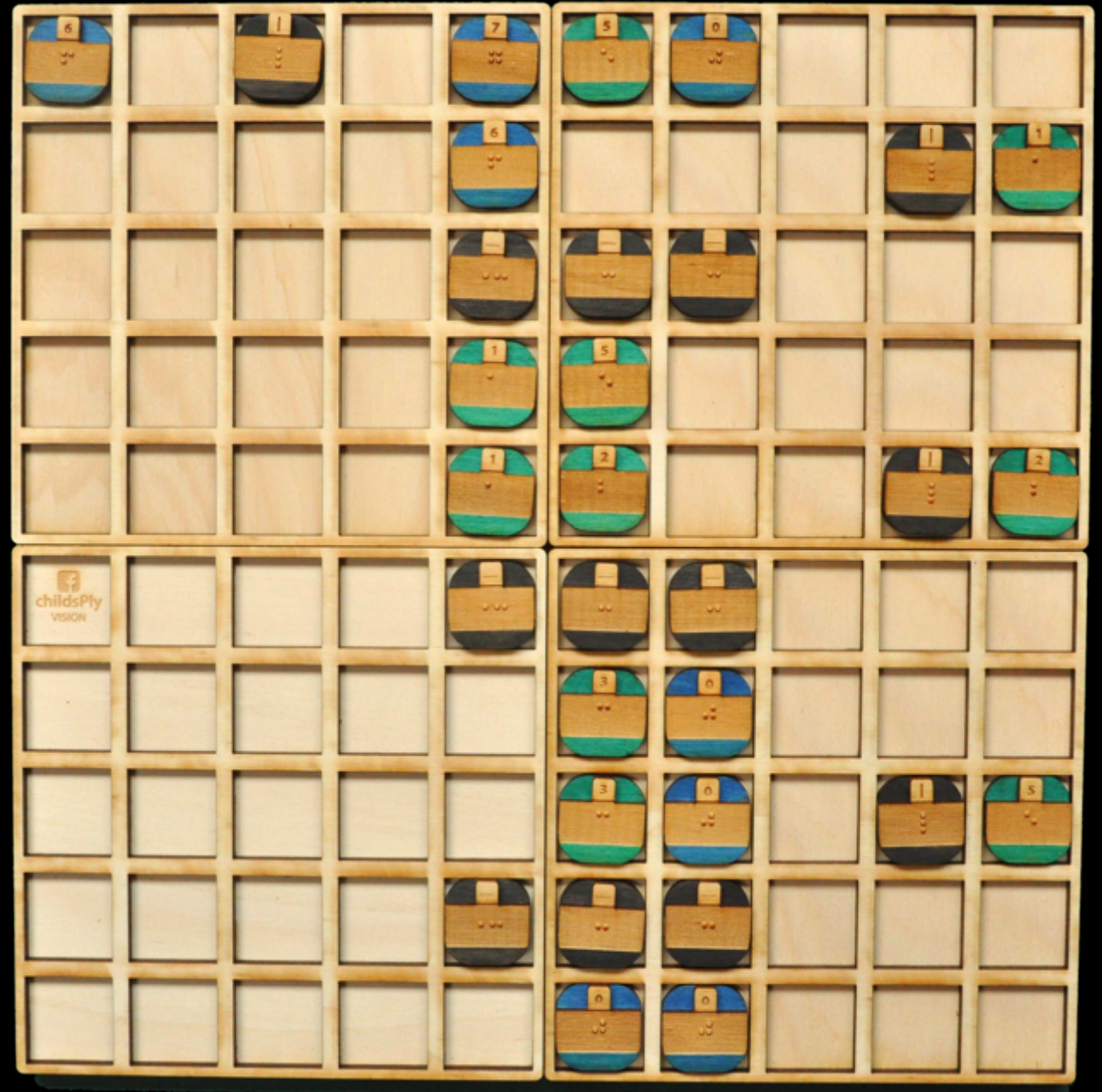


MATHS LAYOUT



Simple Vertical

MATHS LAYOUT



Complex Vertical

MATHS LAYOUT

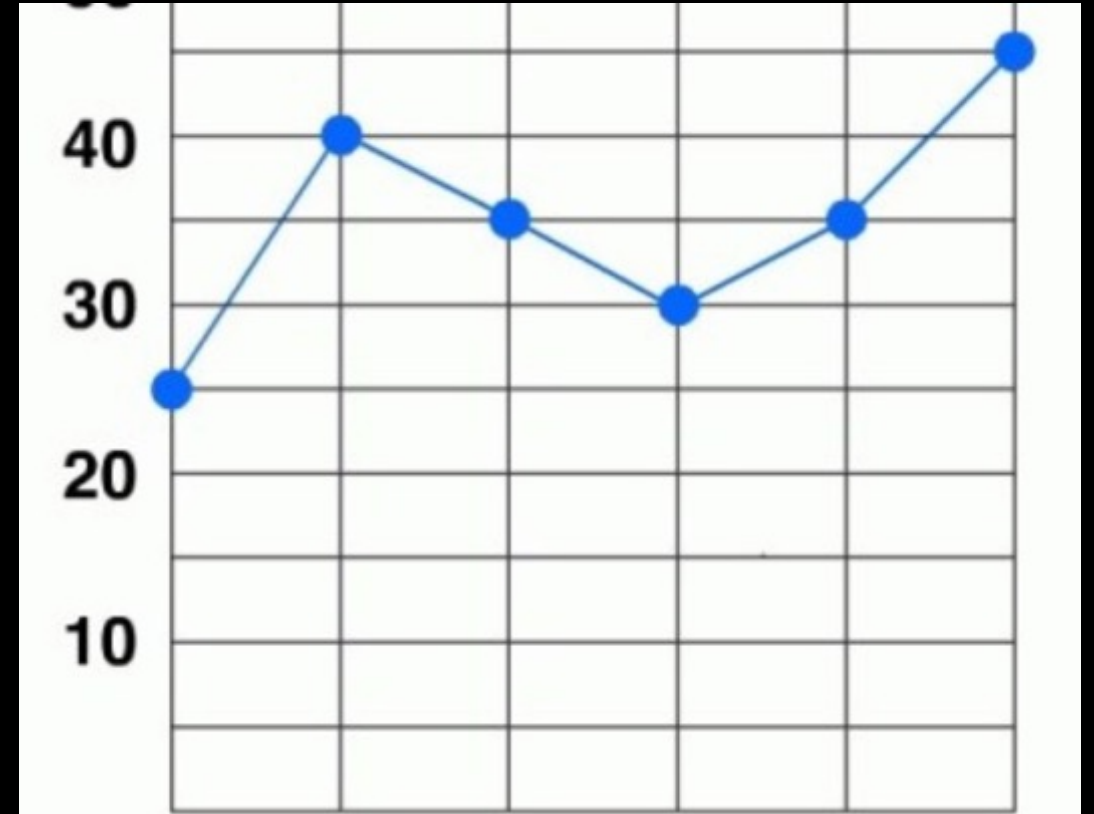
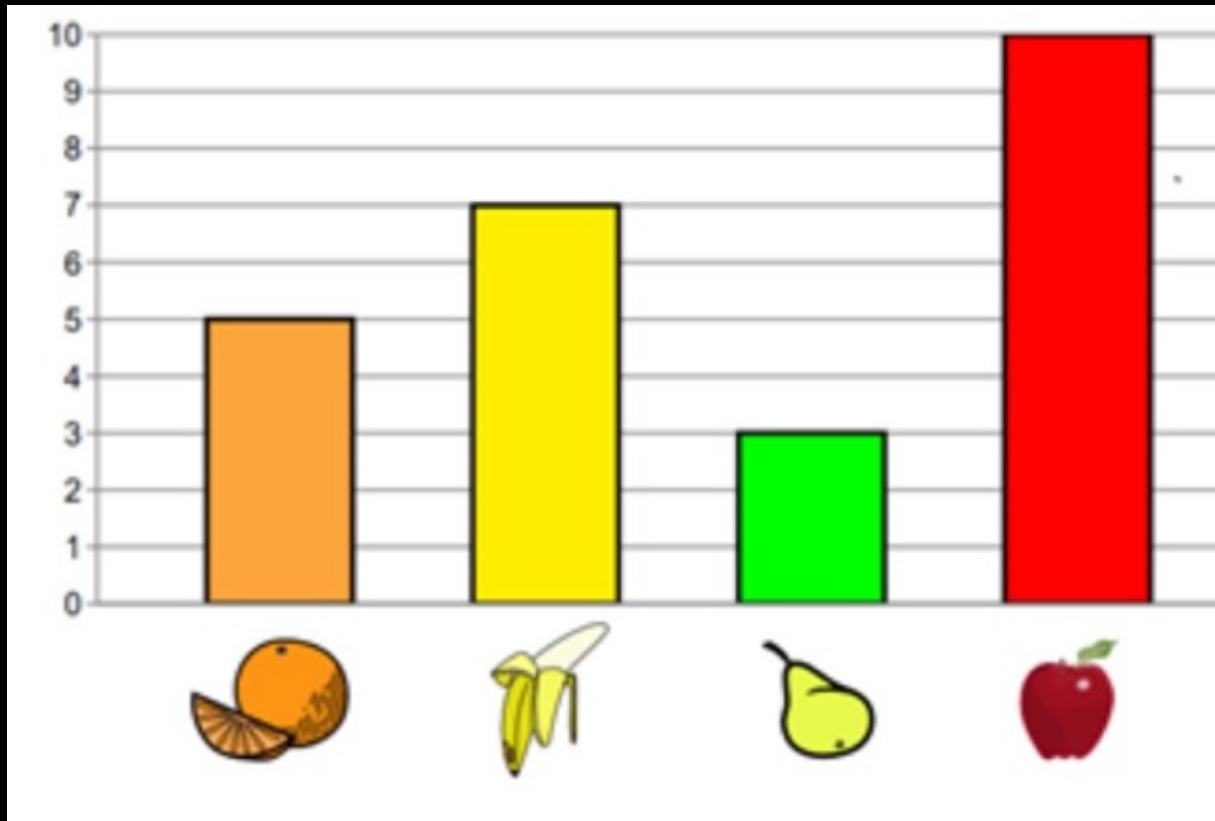
For everyone?



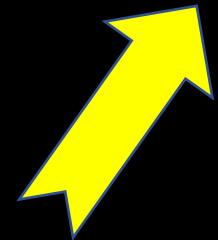
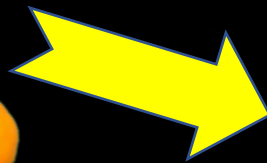
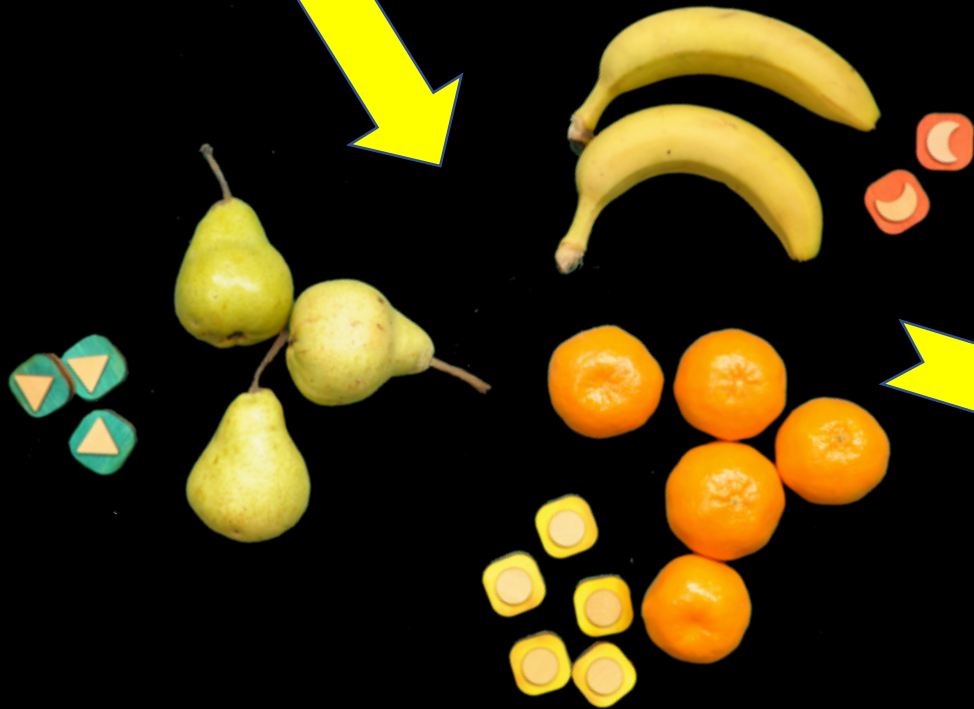
SORTING and TABULATION



GRAPHING

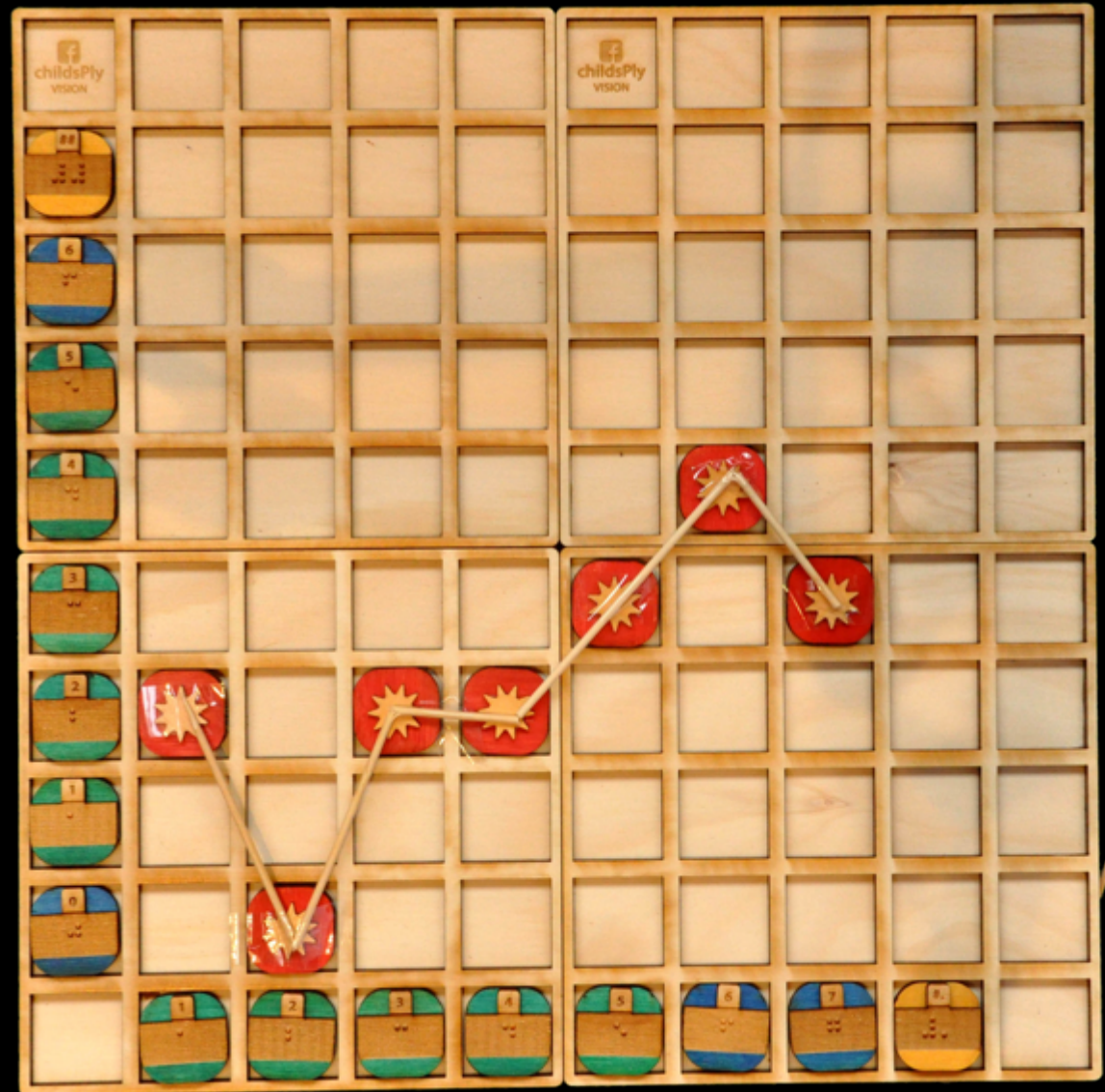


The BAR CHART

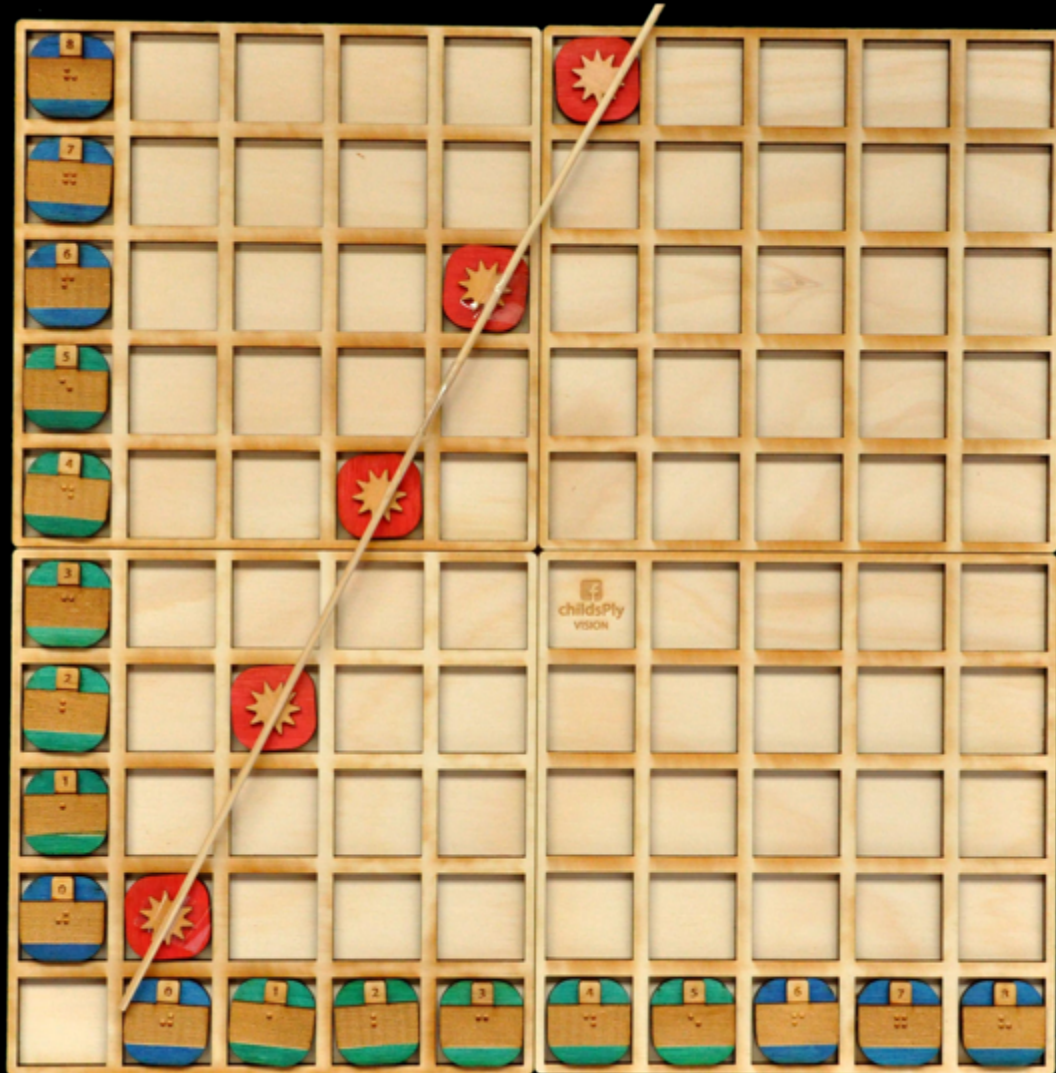


My Story Time

Days of Week	Hours
1	2
2	0.5
3	2.2
4	2.1
5	3.1
6	4.1
7	2.9



SIMPLE EQUATIONS

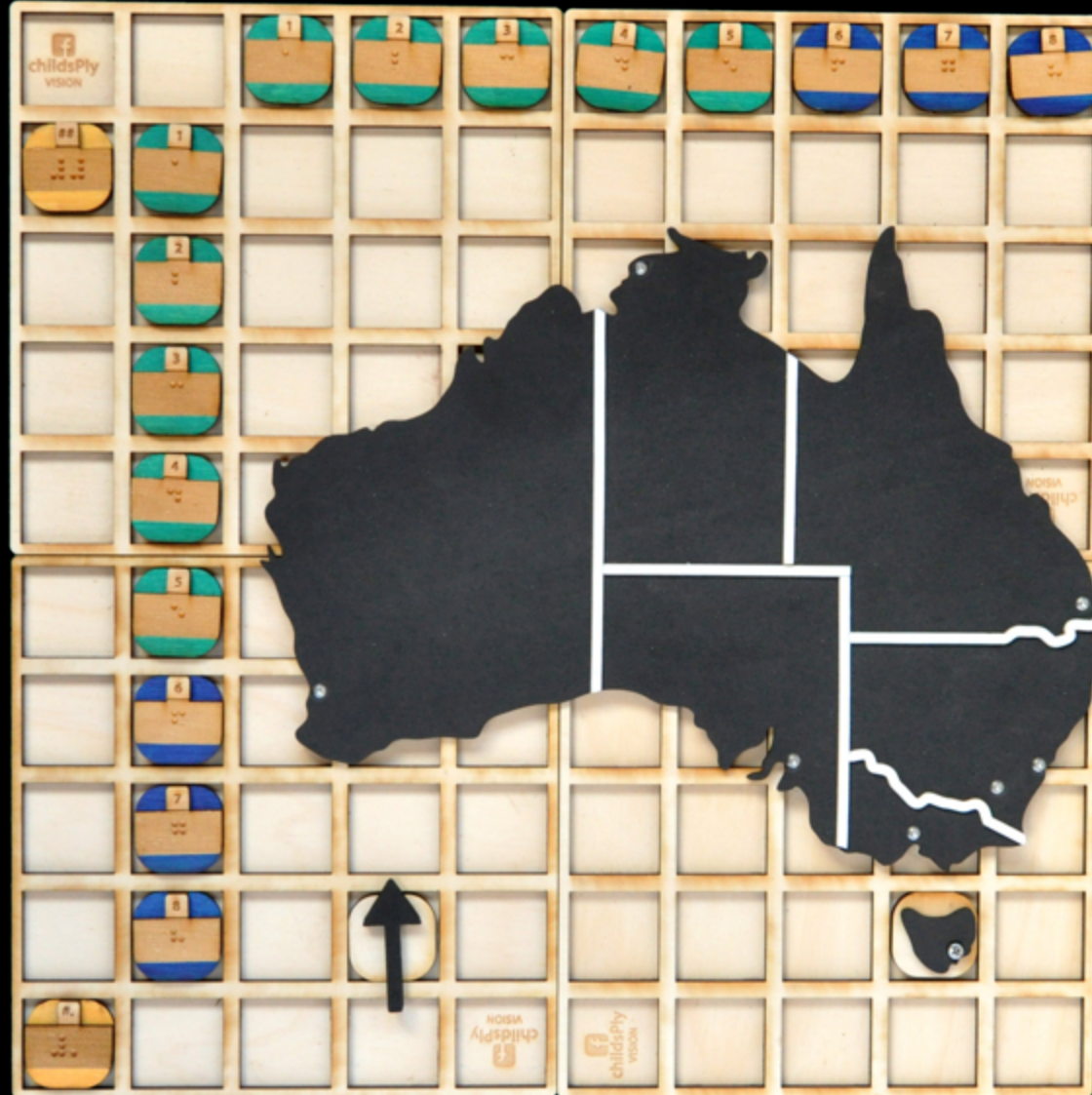


$$y = 2x$$

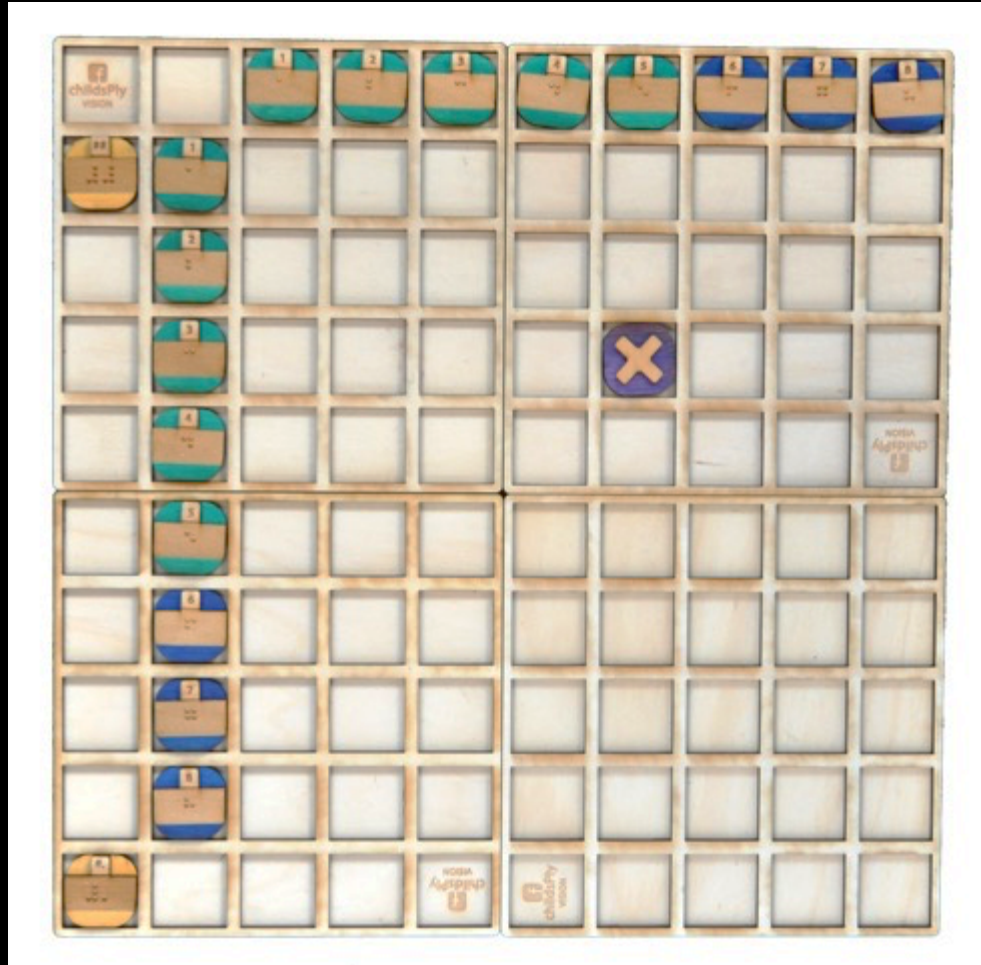


$$y = x^2$$

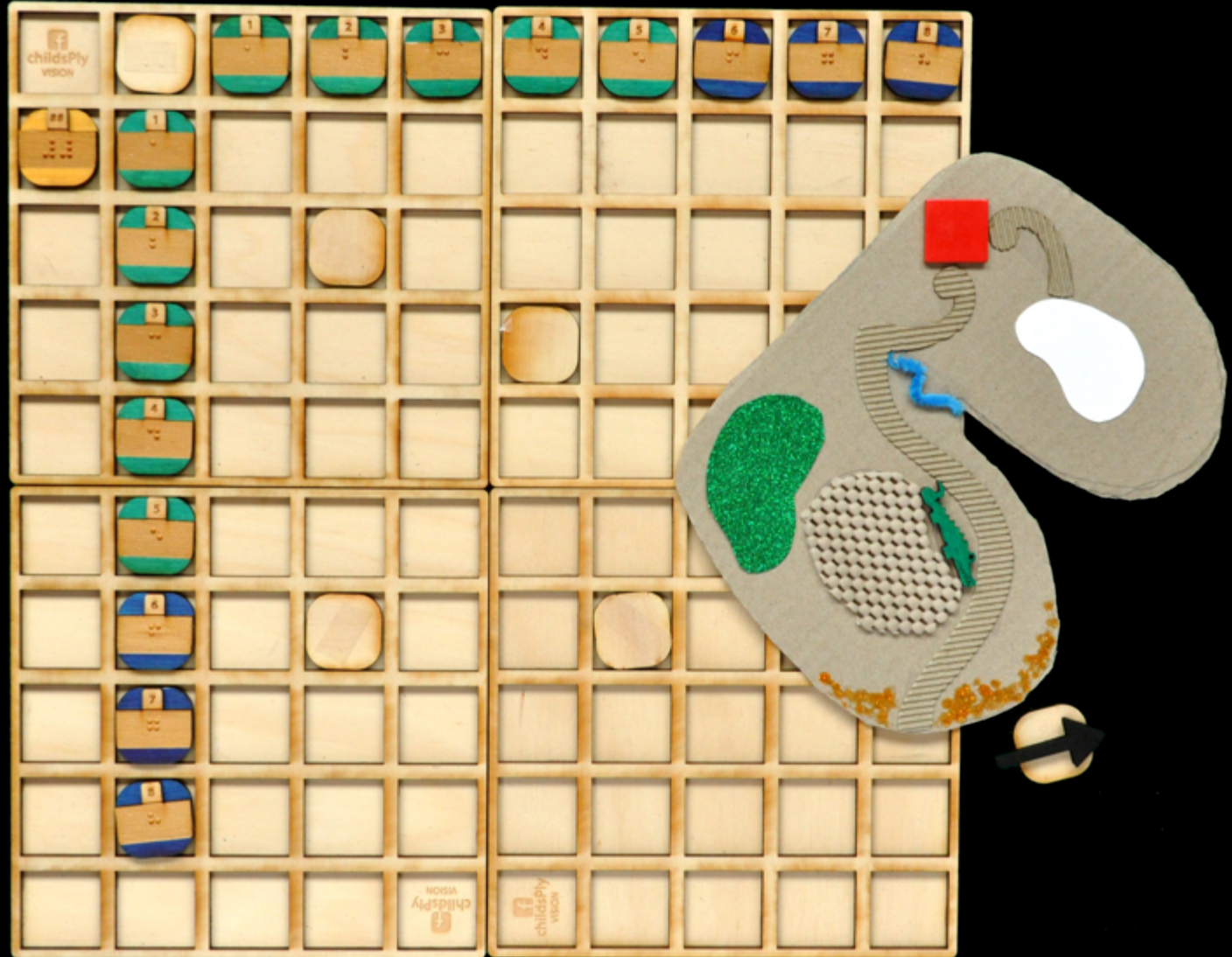
MAP REFERENCES



MAP REFERENCES



MAP REFERENCES



BRAILLE "SHORTHAND"



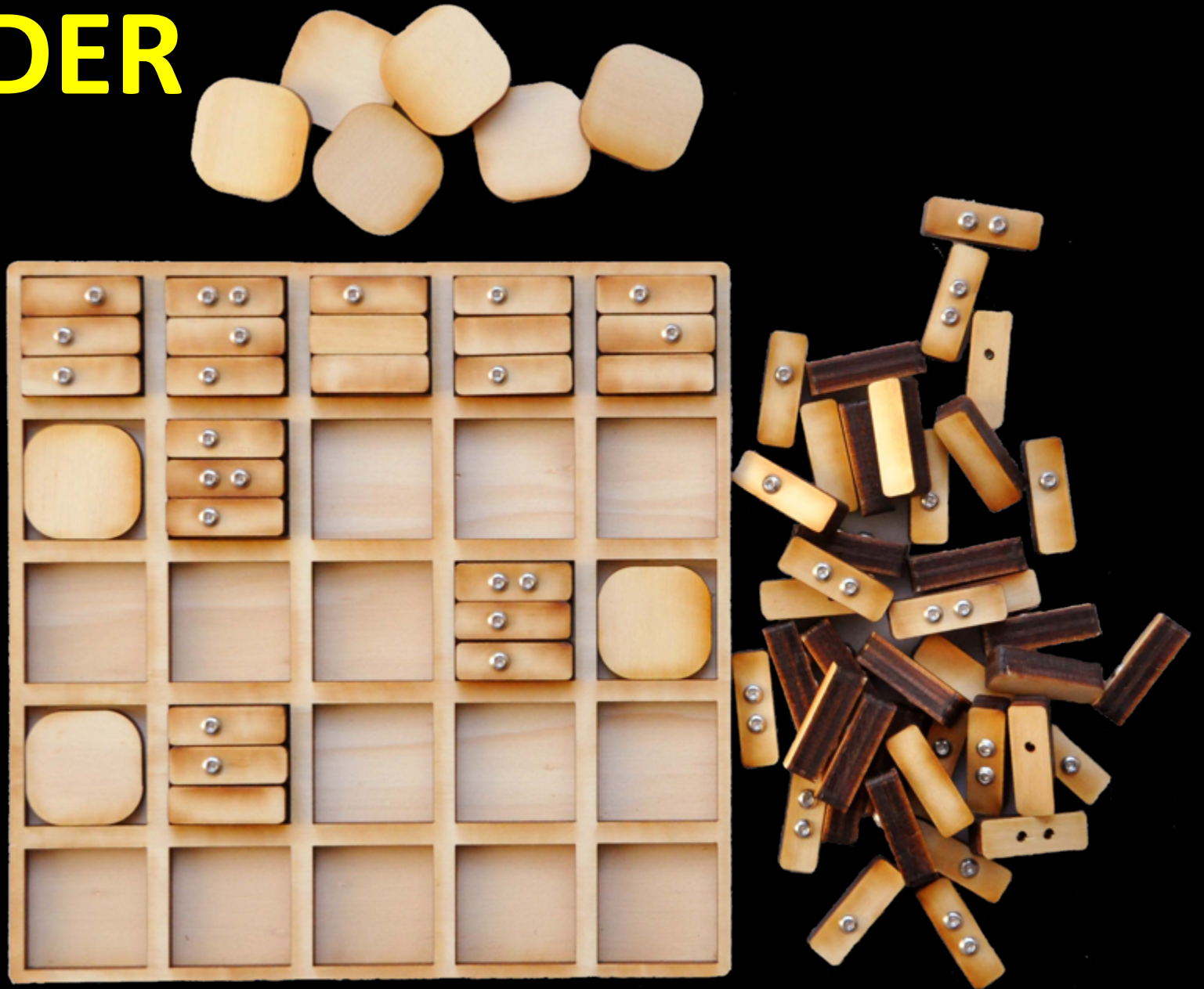
WORD GAMES



WORD GAMES



WORD LADDER



ROTATION & REFLECTION



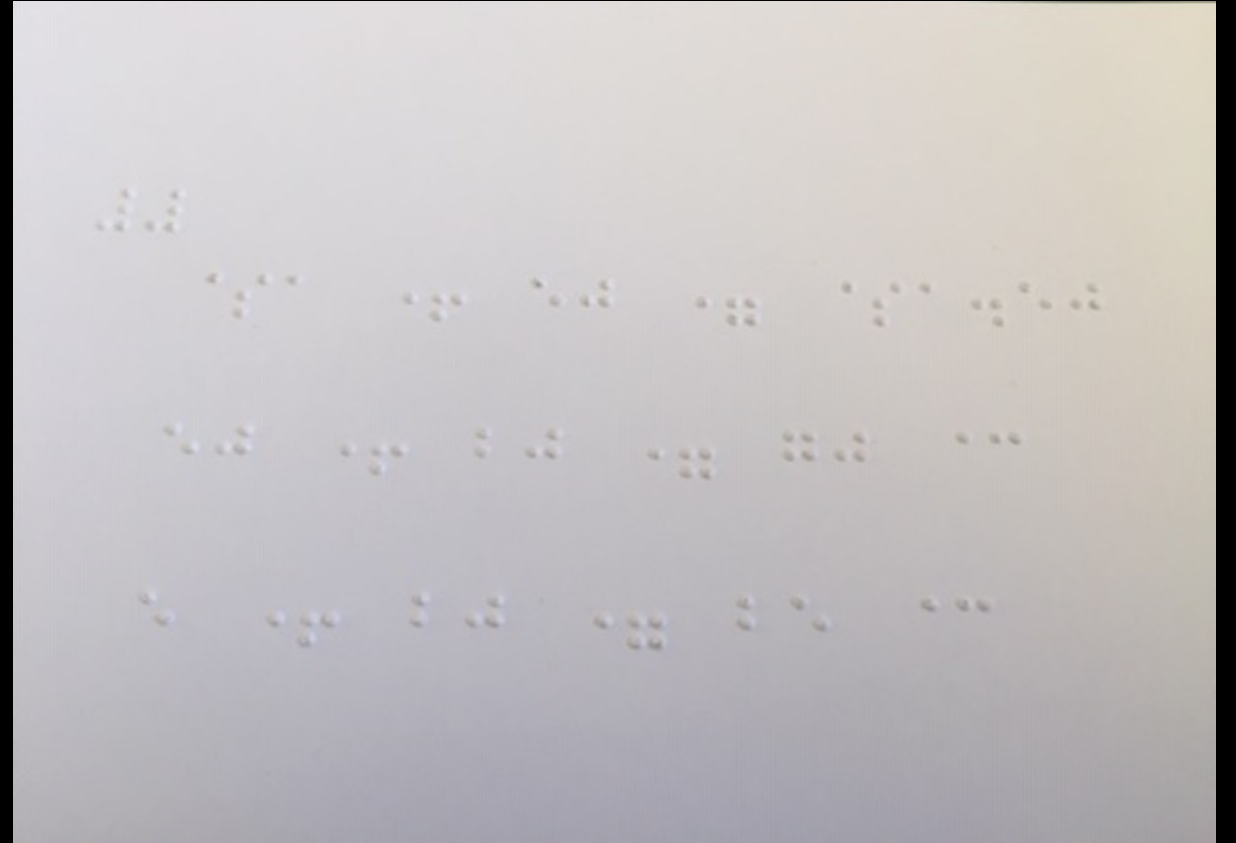
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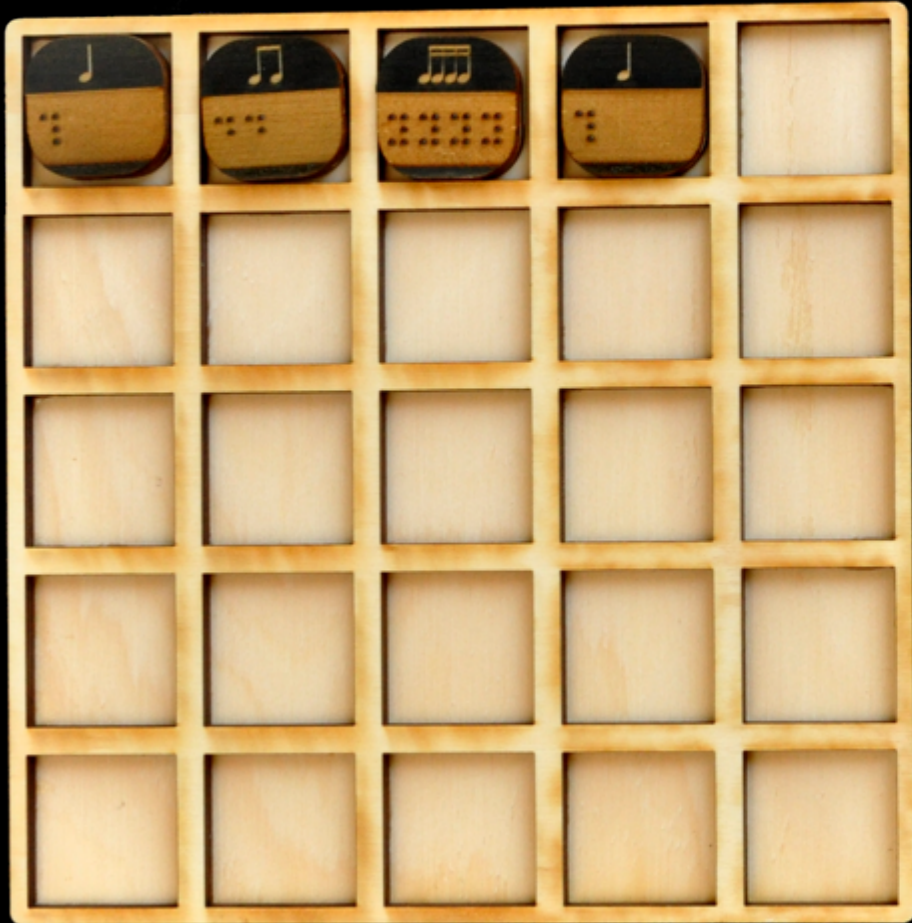
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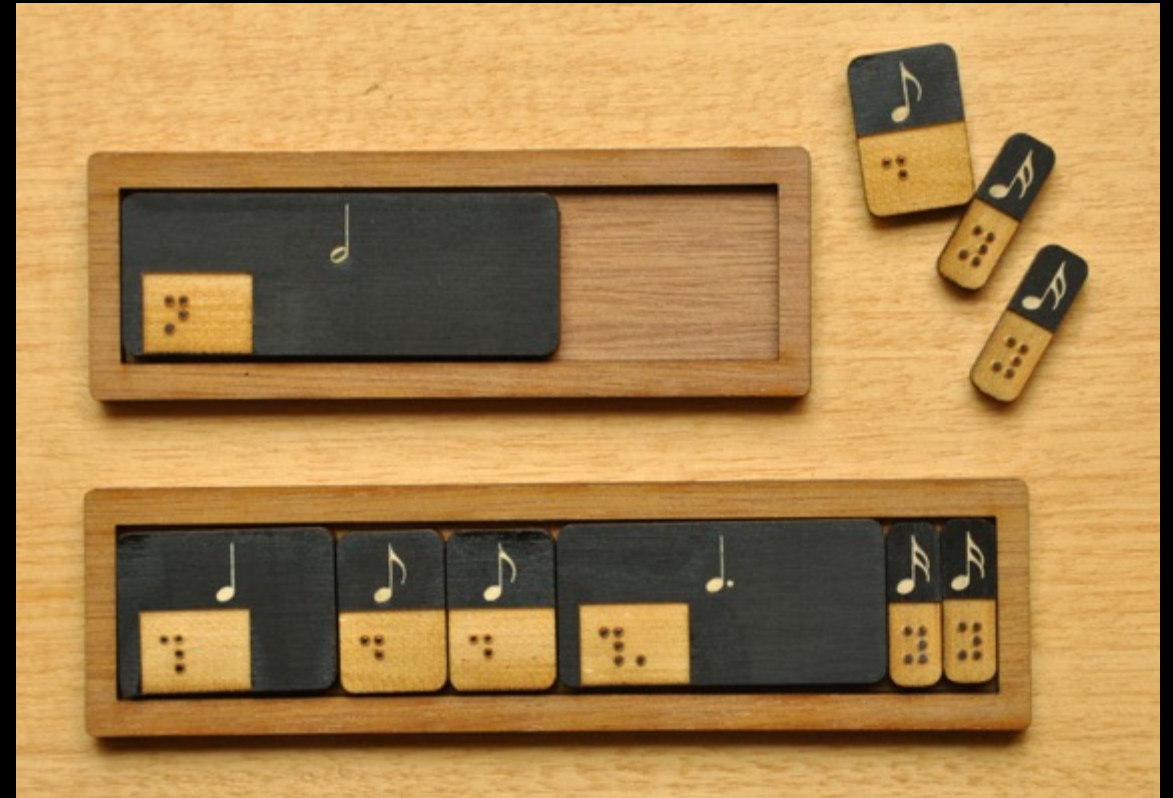
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MUSIC



MUSIC



CONCLUSION:

**FEEDBACK is an essential ingredient
in the achievement of VERSATILITY
(without loss of SPECIFICITY)
in the design of TACTILE TEACHING AIDS.**

