manipul8

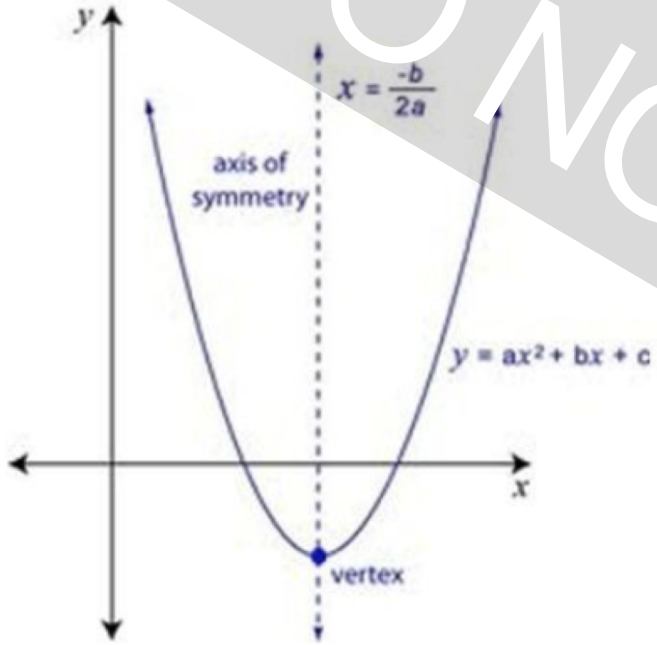
Tangible Modeling Over Distance: Using Computer Vision to Support Distal Collaborative Professional Learning

Kelly L. Boles

TELOS Funded, ‘18-’19

DO NOT MODIFY

Quadratics



Standard Form

$$f(x) = ax^2 + bx + c$$

Quadratic Formula

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

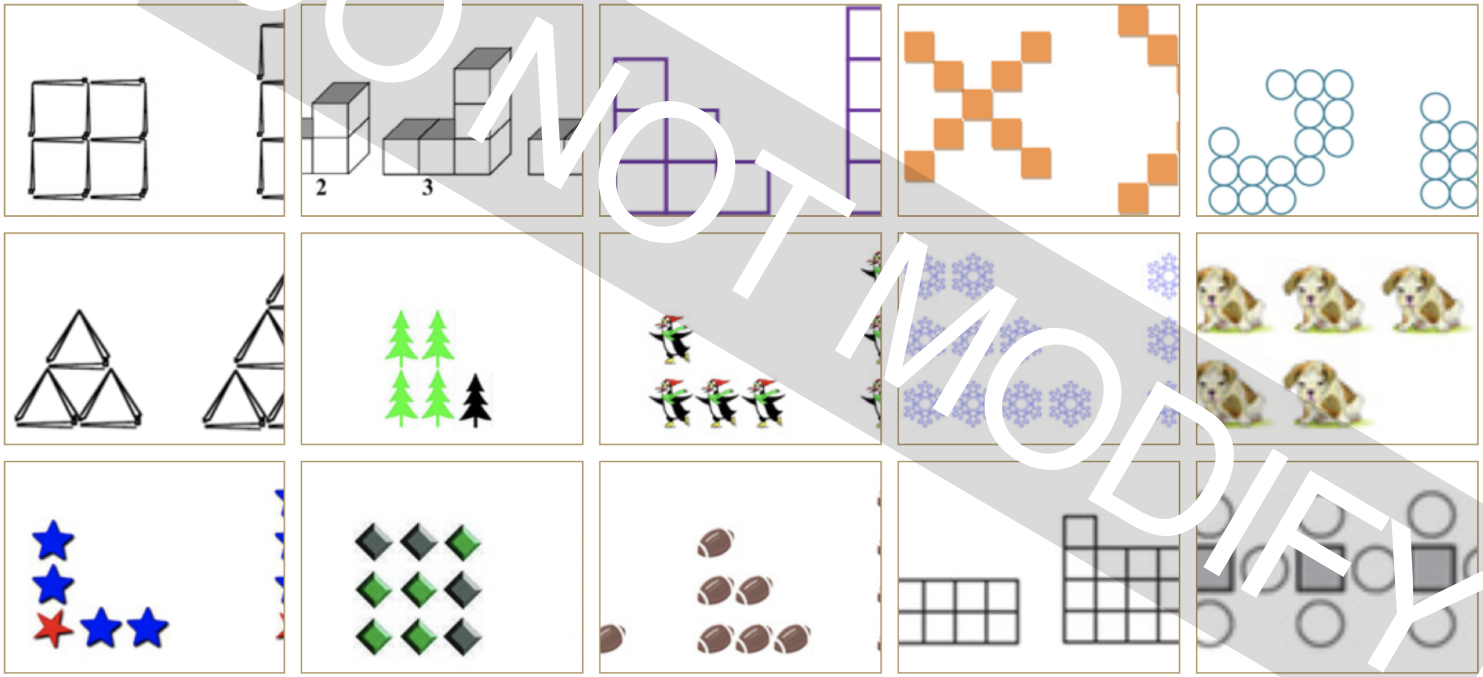
Vertex Formula

$$\left(-\frac{b}{2a}, f\left(-\frac{b}{2a}\right)\right)$$

DO NOT MODIFY

manipul8

Visual Patterns (Linear & Quadratic)



DO NOT MODIFY

visualpatterns.org

manipul8

Visual Pattern - Task 1

Using the tiles and representation mat provided, place the tiles on the mat, using color to show which tiles were generated by each term.

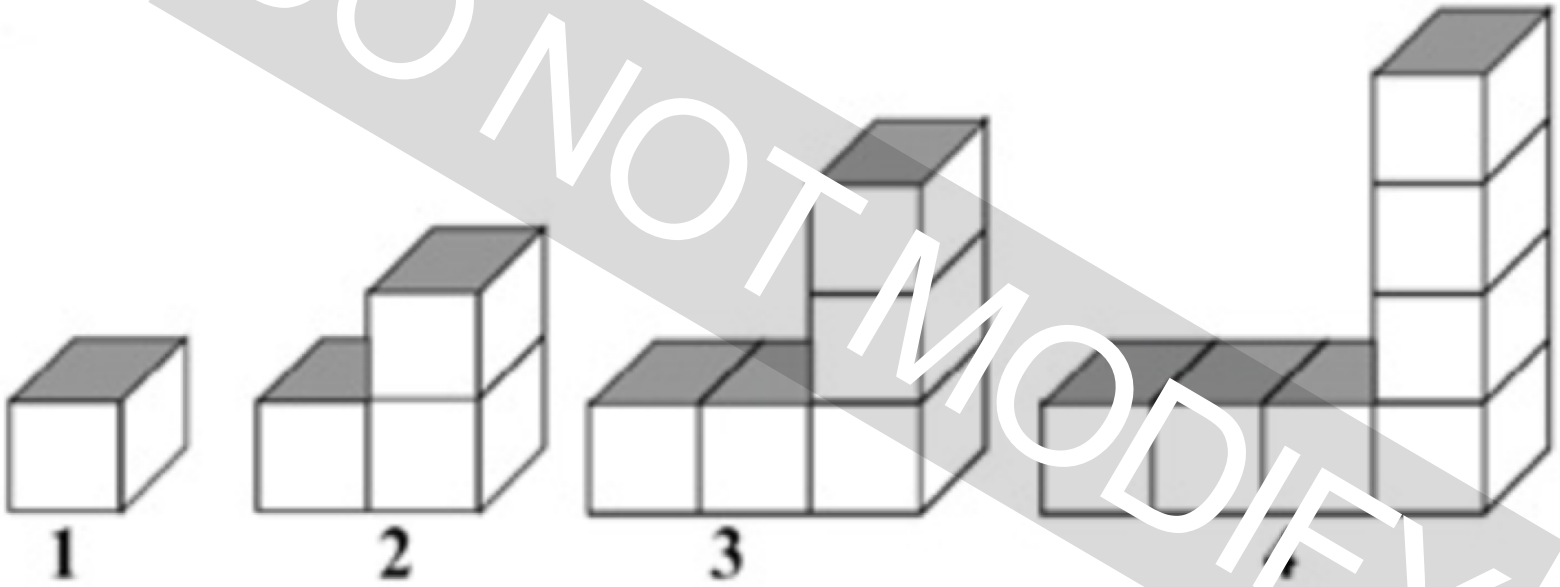
$2n + 1$

DO NOT MODIFY

manipul8

Visual Pattern - Task 2

DO NOT MODIFY



manipul8

Visual Pattern - Task 3

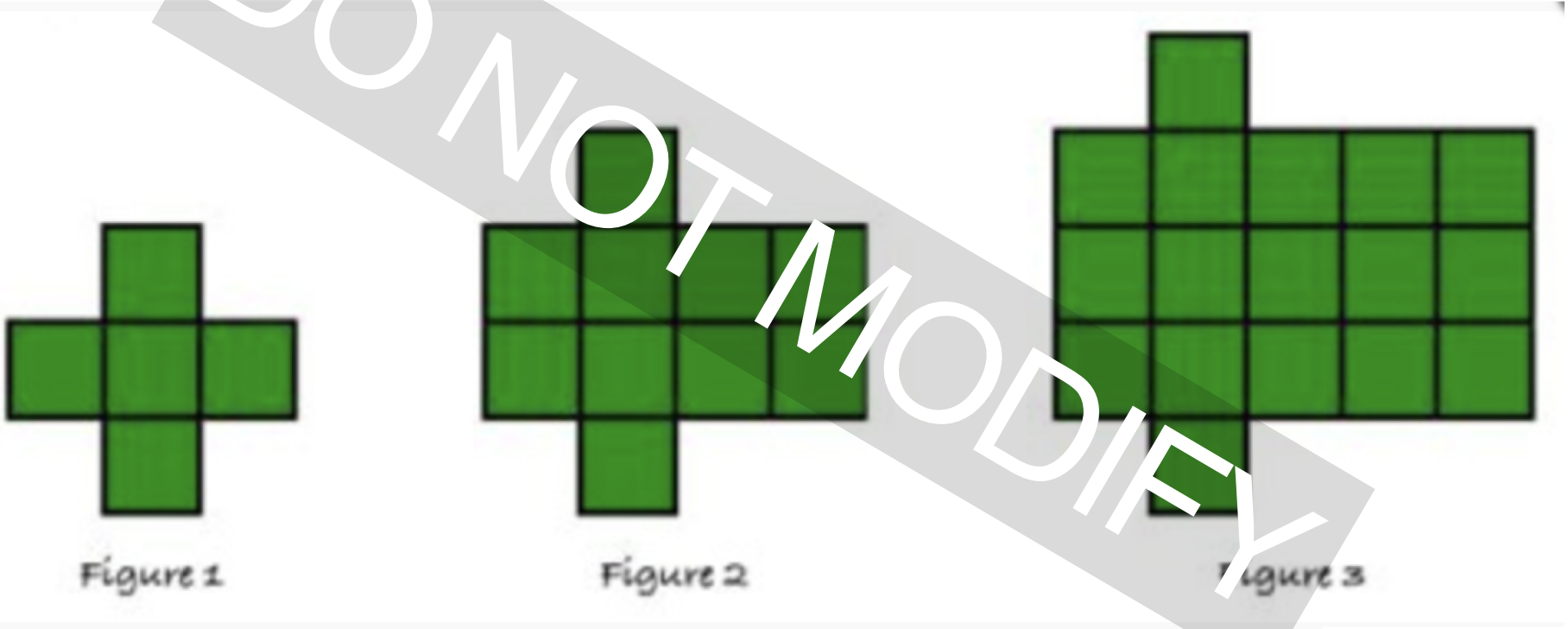
Using the tiles, create a representation for the expression that follows. Please use color to show which tiles were generated by each term.

$$n^2 + n + 3$$

DO NOT MODIFY

manipul8

Visual Pattern - Task 4

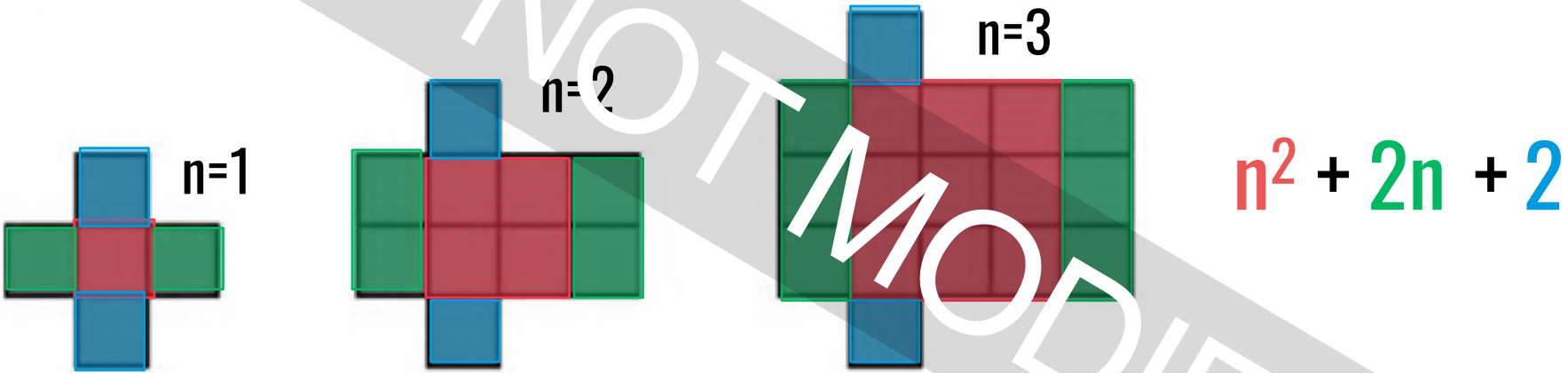


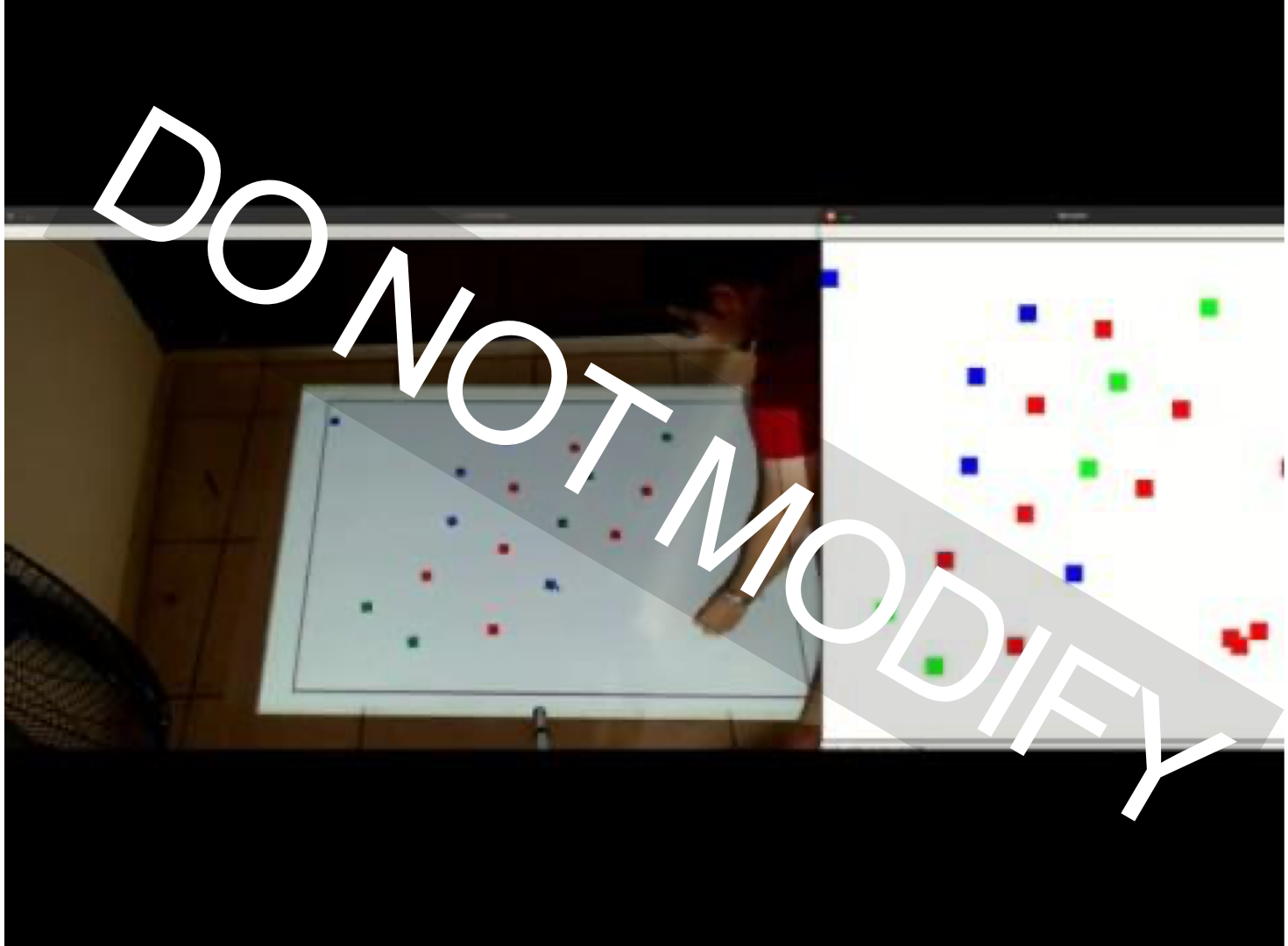
DO NOT MODIFY

manipul8

Visual Pattern - Task 4

DO NOT MODIFY




DO NOT MODIFY