New York State Standards – High School

New York State Visual Art Standards:
Standard 3: Responding to and Analyzing Works of Art
Common Core Shifts in Math translated into Visual Art Text
Shift 2 : (6-12 grades) Coherence
Students will understand how meaning and communication in Art (text) are enhanced by the artists’ use of mathematical strategies and thinking.

Shift 3 : Fluency
Students will be able to apply mathematical skills and understanding in the creative process. Students will identify, utilize, and analyze the elements of art that have a strong root in mathematical concepts.
Students will identify, utilize, and analyze the principles of design that have a strong basis in mathematical concepts.

Shift 4 : Deep Understanding
Teachers will guide students’ inquiry into how mathematical thinking is used to convey ideas about the world when aesthetics are combined with function.
Students will engage in mathematical thinking to analyze and discuss visual perception in Art (text).

Shift 6 : Dual Intensity
Students will practice mathematical skills and thinking on practical and conceptual levels within the Visual Art Curriculum, a natural extension and application of concepts introduced in the math classroom.