OTIS COLLEGE OF ART AND DESIGN

Case Study:

CTE Architecture Pathway Advanced Course

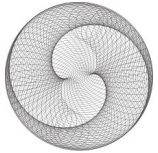
Culver City High School + Otis College Extension

Challenge:

Culver City High School's (CCHS) Career Technical Education (CTE) two-year Architecture & Design Pathway teacher wanted to offer a special program geared towards their advanced students in order to expose them to college-level design thinking and skills.

Approach:

A collaboration was established between the District's Visual and Performing Arts (VAPA) Coordinator, Architecture CTE teacher, the Assistant Dean of Otis Extension, and an Otis Extension Architecture instructor.



Objectives:

- ➔ Offer a course that introduces Design Thinking, a methodology and process employed by design professionals to creatively solve problems and design principles
- ➔ Teach students how to generate ideas and create 3-dimensional solutions to artistic challenges

The Plan:

Develop and offer a dual-enrollment course (30 hours in class with homework requirements) that incorporates aspects of two Otis College's undergraduate Foundation level college courses, *Building Form* and *Form and Space*.

CTE Course Title:

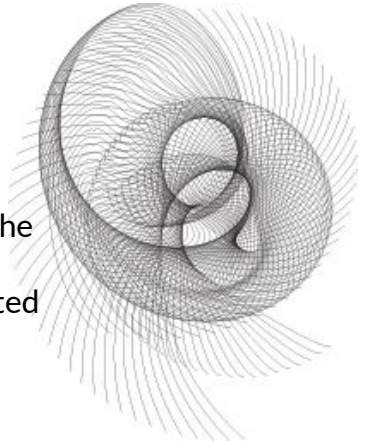
CTE Architecture Pathway Advanced Course: Platonic Solids for AD02

Implementation:

- **44 students in two cohorts**
- **Co-taught by an Otis Instructor and a CCHS CTE instructor**
- **Presentations delivered by:**
  Otis Admissions, geared to all interested students schoolwide

  Otis Chair of Environmental Design, geared to Architecture students

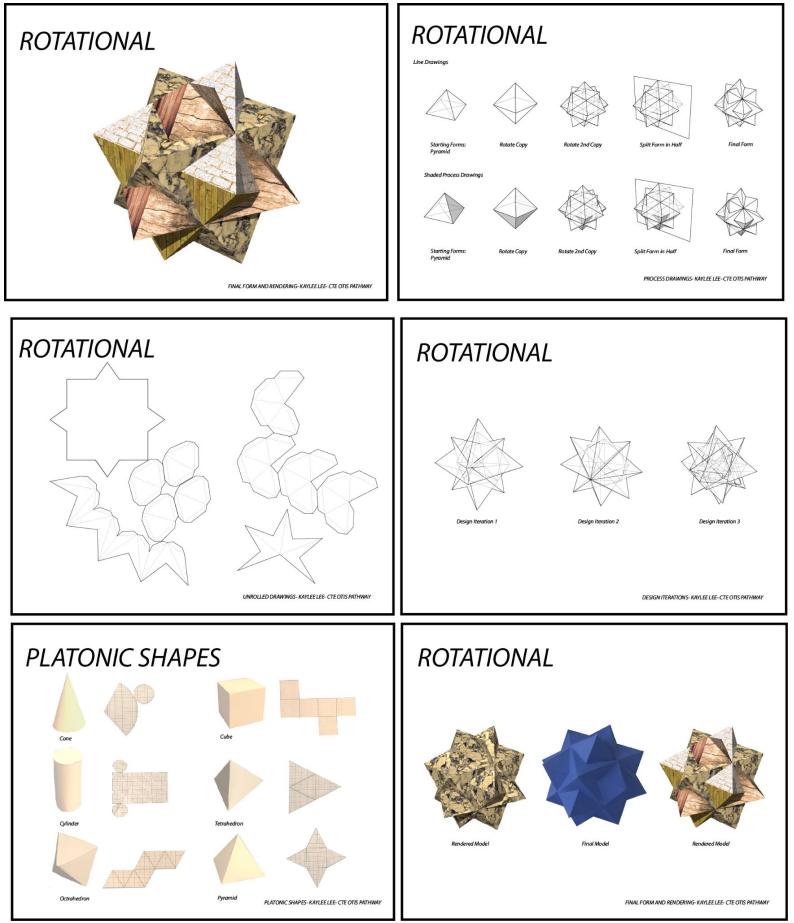
  Industry Professionals
- **Student Final Review:**
  Students shared their work with a design jury comprised of the CTE Architecture Advisory Committee, School District and Otis College Administration, and Industry Professionals invited by the instructors



Outcomes:

Through this process, students developed knowledge and skills in several areas, including:

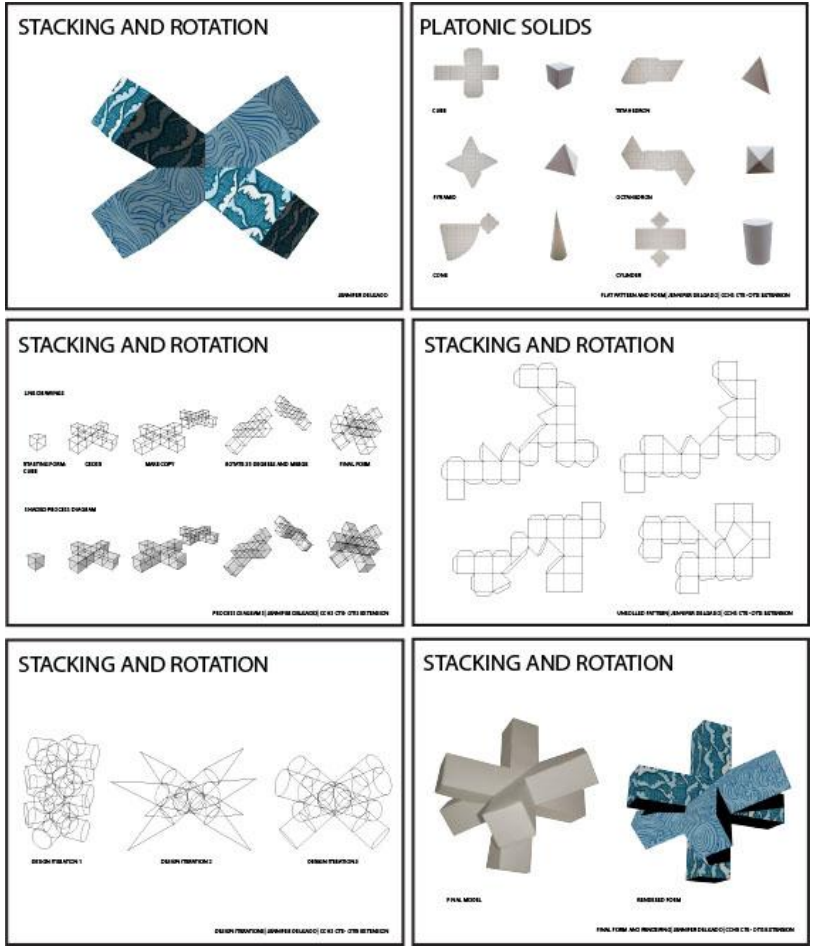
- ➔ **2-dimensional rendering through drawing form and 3-dimensional building through building objects**
- ➔ **Drawing techniques such as perspective and isometric projection to facilitate successful form generation**
- ➔ **Relational measurement, compositional organization, and the placement of form in space with both drawing and form-building activities**



Student work, Fall 2020

Outcomes (cont.):

- ➔ **Building with precision to design complex 3-D forms that demonstrate innovative compositional relationships**
- ➔ **Conducting and building on visual, conceptual, and physical research leading to rich investigations**
- ➔ **Developing new ideas and the use of materials in unique ways**
- ➔ **Thinking and designing spatially**



Student work, Fall 2020

A final note...

Several seniors that included the Otis project in their portfolios were accepted into various design programs including USC School of Architecture, Sci-Arc, Parsons, and UC Berkeley, Environmental Design.

Interested in developing your own Custom Program?

Let's connect!

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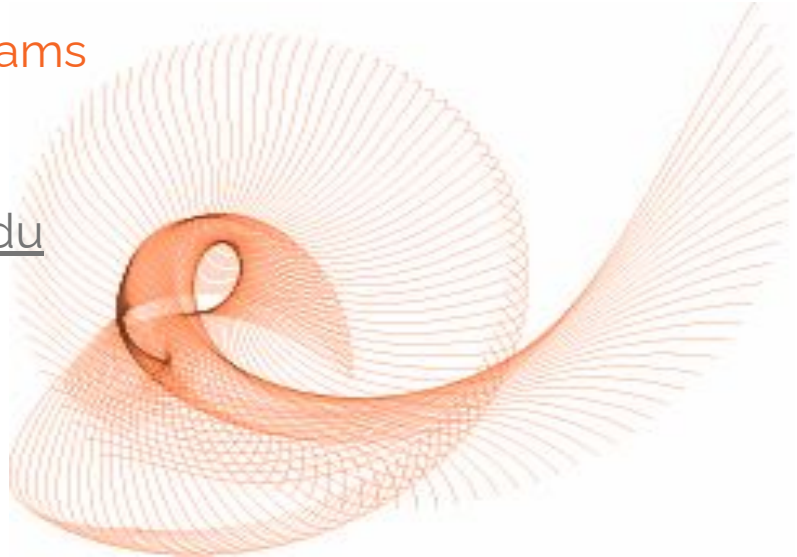
otis.edu/external-programs



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