



**Class Name: Design 101**  
Block 4 (12:30-1:25)  
Spring 2024-25

**Tutor:** Melissa Busch, RA, ID, NCARB

**Grade Level:** 7th-12th

**Course Description:** This course will provide students with an opportunity to design and hand-draw (to-scale) their own home.

After learning basic building components and materials, the players and their roles in a project, and how to read a set of 'blueprints', students will be introduced to the drafting tools and begin the Schematic Design process. They will analyze material usage, site plans, and explore floor plan options. We will also explore what architecture is, the steps to registration, and careers in the design and construction industry.

Students will walk-through the design process to design and draw their house floor plan, elevations, roof plan, furniture plan, utility system overlays, and ceiling plans, and will present their final project portfolio to the class.

Classes include a fast-paced lecture component and drawing exercises.

There are no quizzes, tests, or assigned homework. However, students will need to complete exercises from class and continue working on their house at home.

**Materials Fee:** \$60 (includes drafting tools to keep)

**Minimum # of students:** 4

**Maximum # of students:** 12