



# Discover, Imagine, Create

## Architecture and Interior Design @ NT

### Courses Offered:

#### Introduction to Architecture (Northfield & Winnetka)

Design your own house plans just like an architect! Using the same software that architects and designers use, students learn how to design 3D and 2D drawings and build their portfolios with outside-the-box challenges and designs. Working in conjunction with the Chicago Architectural Foundation students will complete a set of blueprints for a house they design from scratch using AutoCAD, Revit, and SketchUp.  
⇒ *prerequisite for future architectural courses*

#### Interior Design (Winnetka)

This course introduces students to the field of interior design and current CAD software used by interior designers. Students are given design projects similar to those featured on HGTV. Units include room design (kitchens, great rooms, etc.), commercial and house redesign, and furniture and lighting design. \* No prerequisite for this course

#### Architectural Models (Winnetka)

This course focuses on the creation of studio models through the process of developing architectural designs and responding to challenges presented by the instructor. Students learn architectural processes and develop design skills using different materials, software, technologies, and building techniques.

#### Architectural Studio (Winnetka)

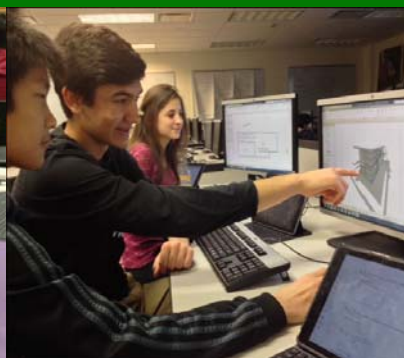
This course introduces students to a full range of design concepts, current trends, and architectural techniques through drawing exercises, analyses of precedents, and exploration of design methods. Design skills are developed by conceptualizing and representing architectural theories through sketching, drawing on board, abstract models, and CAD. An emphasis is placed on "green" architectural concepts, following LEED standards.

#### Architectural Building Design (Winnetka)

This advanced architectural design studio focuses on independent research and development of architectural projects.

#### Civil Engineering and Architecture (Winnetka)

Topics include, but are not limited to, building components and systems, structural design, road design, storm water site design, utilities and services, cost estimation, and energy efficiency.





Do you redesign furniture, play with Legos, watch DIY & HGTV and/or play games like Minecraft?



### Architecture @ New Trier...

- Asks "What if...?"
- Blends emotion and reason
- Teaches you to challenge and change boundaries
- Redefines the possibilities of space
- Balances abstract and concrete
- Opens your eyes to what's around you
- Keeps humans at the core of design
- Harnesses the power of design to create a better world.

CAD Software: Revit—AutoCAD—SketchUp—Chief Architect

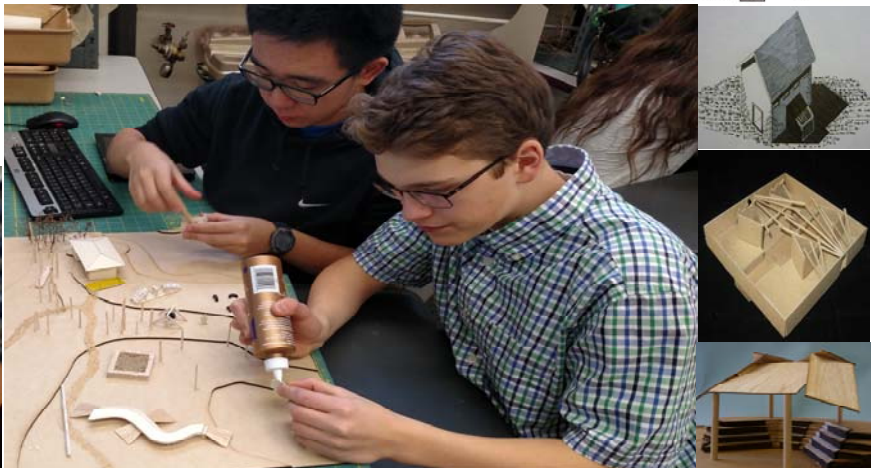
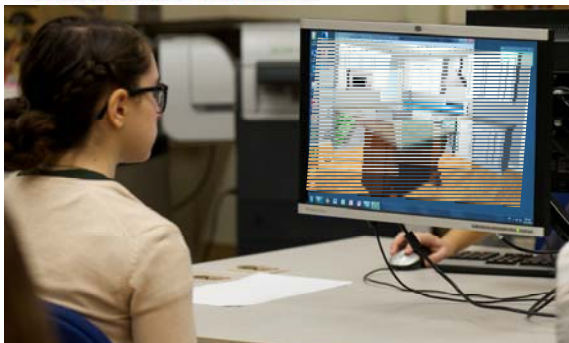


NEW TRIER COURTYARD GREEN REDESIGN

1330 SHERIDAN HOUSE DESIGN  
ARCHITECT: ERIC ZUCKERMAN

INITIAL SKETCHES    BASEMENT FLOOR    FIRST FLOOR    SECOND FLOOR

NATURAL LIGHT    GREEN ROOF    SOLAR TECHNOLOGY    BAMBOO FLOORS    NATURAL LIVINGSTONE



### Architecture Courses @ New Trier:

Architecture Courses @ New Trier:	Level Options	9th	10th	11th	12th
Introduction to Architecture*	Elective Credit, 9	X	X	X	X
Interior Design*	Elective Credit, 9		X	X	X
Architectural Models	Elective Credit, 9		X	X	X
Architectural Studio	Elective Credit, 9		X	X	X
Architectural Building Design	Elective Credit, 9			X	X
Civil Engineering and Architecture (PLTW)	9, 4		X	X	X

\* Denotes prerequisite option(s) for other architectural courses