



SUMMER 2022 PROGRAMS

Program Details

Week-long summer programs for students entering grades 3 - 12 in Fall 2022.

All programs run Monday – Friday unless otherwise noted.

In-Person Programs run 9AM - 4PM. Online Programs run 9:30am – 3:30pm with an offline lunch from 12pm – 1pm.

Tuition: \$700/week in-person, \$560/week online (see website for specific prices). Need-based scholarships available; apply by May 1.

Register at www.centerforarchitecture.org/summer

June 27 – July 1

Dream House (Grades 3-5) – In-Person (4-day week)

Would your dream house be a penthouse apartment, modern beach house, or a castle in the hills? In this program, students will imagine and design their own personal dream house or apartment in drawings and models. Examples of amazing houses from around the world will provide ideas and inspiration, but the final design is up to you!

Waterfront City (Grades 6-8) – In-Person (4-day week)

What makes cities on the water so unique? How is their design affected by their location? Students in this class will explore past, present, and future designs for cities built on or around water, including NYC. Students will create their own designs for a water city, incorporating ideas about architecture, transportation, and recreation into their designs.

Architectural Design Studio (Grades 10-12) 2 week program

High School students interested in exploring the field of architecture and developing their portfolios will get a thorough introduction to the design process in this two-week intensive studio. Focused around a studio design project, students will learn how to work through an architectural program: from site analysis and developing a design concept to creating scale drawings and 3-D models of their design for a final presentation. Studio class will be supplemented by visits to an architectural office or a college architecture program, exploring architectural precedents, and design analysis activities.

July 5 – 8 (4-day week)

Waterfront City (Grades 3-5) – In-Person

What makes cities on the water so unique? How is their design affected by their location? Students in this class will explore past, present, and future designs for cities built on or around water, including NYC. Students will create their own designs for a water city, incorporating ideas about architecture, transportation, and recreation into their designs.

Digital Design: Bridges (Grades 6-8) – In-Person

In this program, students will explore the structure and design of different types of bridges through building activities and by looking at examples in New York City and abroad. Students will use this inspiration to design their own bridge using the fun and free 3D design software SketchUp and make an animated walkthrough of their finished project.

Drawing Architecture (Grades 9-12) – Online

Take some time this summer to develop your architectural drawing skills! With a focus on free-hand sketching, participants will be introduced to a range of drawing techniques including one and two-point perspectives, as well as methods for shading and rendering different materials. This class leverages the benefits of online instruction, which allows us to explore architectural marvels around the world and use digital annotation tools, while building students' hand drawing skills. This is a great chance to create some new portfolio pieces!

July 11 - 15

Building Bridges (Grades 3-5) - In-Person

In this program, we will explore beam, truss, arch, suspension, and moveable bridges to learn how these different structures support weight and span great distances. Students will visit several of NYC's bridges, then put their new knowledge to the test as they create a final bridge of their own design!

Rooftop Dwelling (Grades 6-8) - In-Person

Imagine life above it all in your own rooftop oasis! In this program, we'll explore the many ways NYC's acres of empty roofs could be put to better use as amazing places to live that also move us towards greener urban living. Students will visit some unique examples in NYC, then create their own architectural drawings and scale model of an ideal rooftop dwelling in its landscape.

Digital Design: City Design (Grades 6-8) - Online

In this program, students will investigate what it takes to be an urban planner by creating a digital model of their own imagined city neighborhood using SketchUp, a fun and free 3D computer modeling program. Students will learn the ins and outs of this software and test out their ideas for creating livable, urban spaces as they design their own city blocks, buildings, parks, and plazas, culminating in an animated walk-through of their final project.

Rooftop Dwelling (Grades 9-12) - In-Person

Imagine life above it all in your own rooftop oasis! In this program, we'll explore the many ways NYC's acres of empty roofs could be put to better use as amazing places to live that also move us towards greener urban living. Students will visit some unique examples in NYC, then create their own architectural drawings and scale model of an ideal rooftop dwelling in its landscape.

July 18 - 22

Treehouses (Grades 3-5) - In-Person

Design and build your own fantastic model treehouse! Students will begin by crafting their own tree out of wood and papier-mâché, then work with its unique arrangement of branches to build a one-of-a-kind treehouse. We will explore various techniques to create platforms, ladders, swings, furniture, and other fun details.

Public Art and Architecture (Grades 6-8) - In-Person

In this program, we'll explore how public art such as sculptures, murals and other installations work together with the city's streetscapes to make public spaces more interactive, lively, and fun! Students will visit some of the amazing examples in NYC and learn about others around the globe and test out their own ideas through 2D and 3D design activities. For their final project, students will design and create a model of a public art installation of their own!

Digital Design: Tiny Houses (Grades 6-8) - Online

Inspired by the rising popularity of miniature houses, students will examine small spaces and how limited square footage can inspire exciting design innovation. They'll also be introduced to sustainable design strategies that can make tiny homes energy-efficient enough to support off-the-grid living. Students will then design their own tiny house using the fun and free 3D design software SketchUp and create an animated walkthrough of their finished project.

Drawing Architecture (Grades 9-12) - In-Person

Take some time this summer to develop your architectural drawing skills! With a focus on free-hand sketching, participants will be introduced to a range of drawing techniques including one and two-point perspectives, as well as methods for shading and rendering different materials. Participants will visit different spaces throughout the city to practice observational on-site sketching. This is a great chance to create some new portfolio pieces!

July 25 - 29

Skyscrapers (Grades 3-5) - In-Person

From One World Trade Center to the Empire State building, NYC is full of remarkably tall buildings. During this program, we'll explore what makes these structures so strong and how their design enables them to reach such dizzying heights. Students will take inspiration and ideas from amazing skyscrapers in NYC and around the world as they design, draw and build their own skyscrapers!

Castles and Forts (Grades 3-5) - In-Person

Jump into the magical world of castles and forts right here in New York City! During this program, we'll visit some local examples of these fairytale-like structures and explore amazing examples from around the world to learn about their special design features and imagine what it might be like to live in one. Over the course of the week, students will design and build a model of a castle or fort of their own design!

July 25 – 29 (cont.)

Treehouses (Grades 6-8) – In-Person

Create your own fantastic model treehouse! Students will begin the project by learning about the structure of trees to craft their own scale models of the perfect tree. Using these creations as our starting point, participants will be challenged to design and build a fantasy treehouse within its branches. We will learn various techniques to support the treehouse and create ladders, swings, furniture, and other fun details to scale!

Digital Design: City Design (Grades 9-12) – Online

In this program, students will investigate what it takes to be an urban planner by creating a digital model of their own imagined city neighborhood using SketchUp, a fun and free 3D computer modeling program. Students will learn the ins and outs of this software and test out their ideas for creating livable, urban spaces as they design their own city blocks, buildings, parks, and plazas, culminating in an animated walk-through of their final project.

August 1 – 5

Subway Architecture (Grades 3-5) – In-Person

Our favorite city in the world would be nothing without the complex subway system that runs underneath the busy streets. During this program, participants will explore some of the city's most unique subway stops and imagine what public transportation might look like in the future as they design their own transit system!

Skyscrapers (Grades 6-8) – In-Person

Structural advances in technology allow us to imagine new skyscrapers that are taller than ever before! In this program, we will explore the structures and systems that make such tall buildings possible through discussions and design challenges. Students will take inspiration from amazing skyscrapers around the world as they create drawings and models of skyscrapers of their own design.

Architectural Design Studio (Grades 10-12) 2 week program

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August 8 – 12

Neighborhood Design (Grades 3-5) – In-Person

Summer is a great time to explore Greenwich Village. Join us to investigate this fun and exciting neighborhood through scavenger hunts, sketching, architectural rubbings, and more. Participants will then be challenged to create their own designs for an ideal neighborhood.

Digital Design: House of the Future (Grades 6-8) – In-Person

This design studio introduces students to SketchUp, a fun and free 3D computer modeling program. Students in this program will investigate how housing has changed over the years and what's in store for the future. Students will explore green design strategies such as using renewable energy sources, green and blue roofs, and natural lighting. Students will then create their own digital designs for a house of the future.

August 15 – 19

Parks and Playground Design (Grades 3-5) – In-Person

Kids are the experts in this program focusing on the design of parks and playgrounds. The class will visit several local parks and playgrounds in the city to assess their design features by playing (of course!) and conducting on-site analysis through surveys and drawings. Students will build on these explorations by creating their own designs for different types of recreation and play spaces throughout the week.

Green Island Home (Grades 6-8) – In-Person

Imagine having a small island in the Hudson River all to yourself! Who and what would you bring to your island? In this program, you'll design an eco-friendly home for yourself on an imaginary island. You'll also learn how to create buildings and landscapes that take advantage of our climate and natural resources to make your island a "green" oasis in the city.

Digital Design: House of the Future (Grades 9-12) – In-Person

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