

Summer Design Institute 2020

An online digital design and architecture workshop

June 15 - July 2 or July 6 - 24

9:00am - 12:00 noon

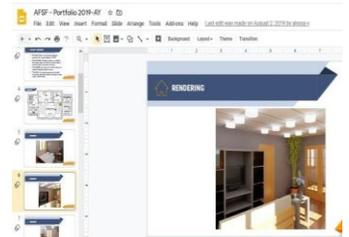
\$3,000 includes all materials

The **Architectural Foundation of San Francisco (AFSF)** announces the **Summer Design Institute 2020**, a three-week distance-learning workshop in sustainable design and architecture for students at home during the CoVID-19 outbreak. Participants will learn professional digital design tools, interact with architects and engineers, and create a portfolio of photo-realistic and video renderings of their original 3D designs. Each participant will receive individualized mentoring by a design professional from a local firm. The Summer Design Institute 2020 offers students an opportunity to develop their own design skills and to create a portfolio of work that they can use for college applications and career opportunities.

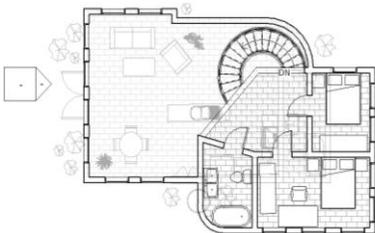


Drawing on the successes of our school day, after-school and summer programs, our established curricula provide dynamic, real-world project-based learning experiences where students gain high-tech professional skills and insights. As all our programs, the Summer Design Institute 2020 provides rigorous academic and professional experiences, providing youth with skills and inspiration to succeed in school, careers and life.

The Summer Design Institute 2020 offers interactive video-chat instruction on multiple 3D design software platforms used by professional architects (including Autodesk Revit and SketchUp) as well as recorded webinars and in-depth work. Through real-world design challenges, students will work individually and in distance-collaboration to create and present advanced original designs.



Drawing on 30 years of inspired educational programming, our professional teaching staff and volunteer architectural and engineering mentors provide students direct instruction on software and design concepts, guidance on project work and certification of mastery of technical tools.

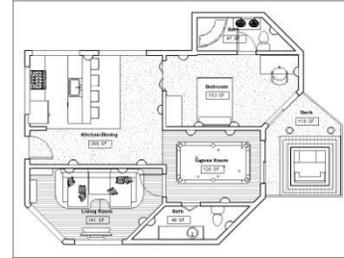


AFSF Summer Design Institute 2020 Distance Learning

Project-based learning activities include:

Housing Challenge

Students use *Autodesk Revit* to create a digital model of a 1,000 square-foot fully furnished apartment, with floor-plans, architectural elevations, photo-quality rendered images and a video walk-through.



Sustainable Home Design

Students create original 3D design for a home using *SketchUp*, incorporating sustainable components, technologies and strategies, and rendered in photo-realistic images and an animated fly-through

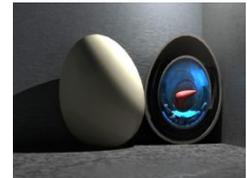


Cell phone case design

Students use *Fusion 360* to create 3D-printable designs of a case to fit their cell phones, featuring their own original art or designs.

Biomimicry

After researching how plants and animals meet challenges, students create animated 3D-CAD designs of their original ideas for new technologies incorporating those lessons from nature.



In our computer-based projects, students learn and demonstrate mastery of:

Professional design software

Revit; SketchUp
3DS Max, Fusion 360; Lumion

Collaboration & presentation software

Google Drive, Docs & Sheets;
Prezi; Lucidpress



South Section View

Our curricula are aligned with California state educational standards and all classes are taught by a fully credentialed instructor.

Background on the Architectural Foundation of San Francisco

For over twenty years, AFSF has helped students succeed in high school, gain valuable workplace experience and successfully transition to higher education and the workforce. Our programs offer a unique combination of rigorous academic study, real-work experience and individualized professional mentoring, introducing students to the world of urban planning and design and engaging them in the development of San Francisco's future.



AFSF inspires and digitally equips youth from all segments of society. In partnership with the Mayor's Youth Employment & Education Program, the SF Police Dept., sf.citi, City Youth Now, and a range of local agencies, our after-school and summer internship programs provide paid opportunities for underserved youth to gain workplace experience while learning high-tech skills.

The annual AFSF High School Design Competition (now online in its 51st year), propels students to dive deep into a design challenge, employing a wealth of tools, skills and creativity and engaging with professionals. Some of our judges participated when they were in high school, inspiring life-long paths to successful careers.



The AFSF Summer Design Institute attracts students from around the Bay Area and across the globe. All our students learn high-tech skills which they demonstrate through collaborative design projects, presenting to professional developers and developing a portfolio of original creative work they can use in applications to colleges and internships. The **Summer Design Institute 2020** is an online version of this program.

Working collaboratively with diverse peers and engaging with professionals helps youth hone their interests and confidently envision themselves in a career. Those who have struggled in traditional classrooms often find that success at AFSF gives them a more inspired view of their future. In our commitment to serving the entire community, we strive to ensure that every interested and qualified student can participate, regardless of means.

Please register here:

<https://www.afsf.org/programs/build-san-francisco-summer-design-institute/>