



# Help Your Students Learn about Green Buildings and Careers

SCHEDULE A GUEST SPEAKER FOR YOUR CLASS

*3C-REN (Tri-County Regional Energy Network) is a free program brought to you by your local County government. 3C-REN speakers are professionals with backgrounds in green building. This speaker series helps younger generations explore the built environment and opportunities in sustainable design and construction.*



## Contact us to schedule

Email [info@3c-ren.org](mailto:info@3c-ren.org) or call  
3C-REN Guest Speaker Liaison  
Lisa Eklund at (805) 290-0691

## Topics Offered

### GREEN BUILDING 101

Through examples of historic and contemporary projects, we will discuss how buildings impact the environment and provide an overview of green building strategies to help mitigate those impacts. We will touch on site, materials, healthy interiors and water, then focus on energy efficiency and carbon reduction.

### PATHWAYS FOR SUSTAINABILITY CAREERS

We will identify a wide variety of careers from developers and designers to builders and inspectors and discuss their potential roles in green building. We will highlight 'green careers' such as energy modeling, HVAC technician and renewable energy contractor, as well as discuss how any career can be practiced sustainably.

### GREEN BUILDING IN PRACTICE

For students who are new to design principles, this is a hands-on design activity to incorporate the ideas from Green Building 101 and Pathways for Sustainability Careers.

### INTRODUCTION TO ZERO NET CARBON DESIGN

For students pursuing an education in design or engineering-related fields, this course provides an overview of the industry's focus on reducing carbon emissions. We'll provide a background on energy sources, the difference between operational and embodied carbon, and mitigation strategies through design and materials selection.

### FUEL SWITCHING: HVAC AND DOMESTIC HOT WATER

For students in career technical education programs, we take a deeper look into mechanical and electrical systems as the industry moves away from gas fuel to building electrification and renewable energy.

Have a specific course need? Let us know!

Each presentation can be adapted to fit your program's needs.