

Real Life 101  
Guide: Construction

Our hosts visit four people involved in the construction industry. Architect, Hank Wolff explains how being an architect in addition to being a project manager allows him to see all the pieces that need to go together to create and finish a project. Land Surveyor, Jeff Hartley, shows how equipment and computers have helped streamline his job. A site manager and project engineer explain how their jobs streamline the connection between the client, lawyers, and other managers for large projects. Architectural Engineer, Bill Wynog, explains how his job allows for all facets of the project to come together. He explains how his company does all the electrical, water, safety and energy-saving components of a building.

This program can be viewed in its entirety or broken up into segments based on curriculum needing to be covered. For each job, students will learn why the person chose that job, what kind of education they needed to acquire, the skills needed for each of these jobs and what are the good and bad things about the job itself. Following each segment, there is a summary and suggestions for students interested in that particular construction career.

Activity—Construction Career Occupations Chart. Give this chart to students to fill out during the program. After the program is viewed, have students break up into groups of 2 or 3. Have the groups compare notes, and if needed have students add to their individual charts. Once the class is finished, bring the class together to create one chart based on the notes they took. After all notes have been added to the class chart, then have those groups decide which career they would be interested in researching. Using resources (including the web sites listed below), have students get more information about the construction career they chose. An extension would be to revise the class chart adding in other content that the students found during their research.

Type of Job	Education or training needed for the job?	What types of things do you do on this job?	Skills needed on the job?	What is good and bad about the job?
Architect				
Land Surveyor				
Site Managers				
Architectural Engineer				

--	--	--	--	--

Websites for more information

### **Occupational Outlook Handbook**

Provided by the Bureau of Labor Statistics. For each job provides information on the training and education needed; earnings; expected job prospects; what workers do on the job; working conditions. In addition, gives jobs search tips, information about the job market in each state and more.

<http://www.bls.gov/oco/>

### **Architecture**

From the Akropolis.net site. Gives an overview of what a career in architecture entails. Includes: what is architecture, what architects do, education needed and more.

[http://www.akropolis.net/~zeus/archcareers/career\\_overview.asp](http://www.akropolis.net/~zeus/archcareers/career_overview.asp)

### **CareerShip-Surveyors**

This site, geared to middle school students, allows users to read about a specific job. Topics include: an overall description of the job, tasks, interests, training/education needed, knowledge, skills and related careers. This link is for surveyors. There are several links relating to the job that allow students to understand the career more completely.

<http://mappingyourfuture.org>

### **Construction**

From the Career Voyages site. Allows users to view videos of people on the job, gives an industry overview, where to get training and other links.

<http://www.careervoyages.gov/construction-main.cfm>