Hosting a presentation about Architecture
OR Architecture Career Day: High School Classrooms

• Thank you for downloading this resource!
• This power point is a sample presentation for a High School class created by a Wyoming AIA-Member Architect.
• The sample presentation (beginning Slide 3) is meant to be presented by an AIA Architect that is local to the community.
• The power point is meant to be used in cooperation by the teacher and architect to customize a presentation that will meet the teachers goals for the students.

Architecture Career Day
PowerPoint Guide

• An average presentation takes about an hour and 15 minutes, but can be shortened as needed based on the teacher’s needs and available time.
• Additional tips:
  • Customize the presentation/agenda each time based on what the teacher would like to see included
  • Adjust presentation based on the interest/reaction of the particular class
  • Try to stay very general and short on each item or the time gets away too fast
• Take questions at specific times you ask for them to control the class, and maximize time
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SCHOOL NAME High School
What is an Architect?

Interactive Exercise

Project Spotlight

Design A School

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Architect: [ahr-ki-tekt] *noun*

1. A person who engages in the profession of architecture.

2. A person professionally engaged in the design of certain large constructions other than buildings and the like: landscape architect; naval architect.

3. The deviser, maker, or creator of anything.
Education Requirements:

**Junior High/Middle School**
- Drawing
- Art
- Geometry/Algebra

**High School**
- More Drawing
- More Art, Sculpture, Painting
- More Algebra/Calculus
- Physics & Chemistry
- Technology Classes /Shop Classes

**Four Typical College Options**

1) Five years bachelor’s degree
   Ex. University of Arizona

2) Five-year master’s degree in architecture
   Ex. Montana State University

3) Four-year bachelor’s degree in design related field from a non-accredited university
   Ex. Arizona State University

4) Four-year bachelor’s degree in non-design related field
   Three-year master’s degree from accredited university
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Licensing Requirements:

Internship & Training:

IDP Program – Approximately 3 years to complete

Architectural Registration Exams:

AREs – 7 Exams

- Site Design
- Schematic Design
- Building Systems
- Scheduling Programming
- Construction Documents
- Structures
- Building Design & Construction Systems
Career Paths:

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Career Responsibilities:

- Ensure health and life safety of the public
- Design buildings and spacial relationships
- Coordinate owners, engineers, city officials

Career Characteristics:

- Great Listener
- Good Communicator
- Artistic and creative
- Problem solver
- Organized

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Income Range:

- Intern: $42,000
- Project Manager: $55,000
- Architect: $70,000
- Principal (Owner): $115,000

Between July 2009 and November 2009, employment at American architecture firms dropped from 224,500 to 184,600, according to the US Department of Labor. And yet the US Department of Labor predicts that over the next ten years, employment of architects will increase more rapidly than the average for all occupations.
Cross-over careers:

- Work for contractor / be a contractor
- Interior Designer
- Movie Set Designer
- Urban Designer
- City Planner
- Landscape Architect
- Lighting Designer
- Acoustic Designer
- Kitchen Designer
- Cost Estimator
Math Example:

Calculate Occupant Load for Classroom:

1) Measure Room Dimensions

2) Calculate Area: 30' x 30' = 900 square feet

3) Reference Building Code Educational – Classroom Area

4) Calculate occupants per classroom 1 occupant per 20 square feet net 900/20 = 45 occupants
Design a School

Building Program
- Gymnasium
- Boys & Girls Locker Rooms
- Cafeteria
- Student Commons
- Principals Offices
- 20 classrooms
- Wood Shop
- Metal Shop
- Kitchen
- Foods Room
- Sewing Room
- 4 Restrooms
To Find a Local Architect:

1. Please visit the AIA Wyoming website:
2. Click on the “Find An Architect” tab
3. Click on the “Find An Architect Member” tab
4. Type in your location (or nearest larger city) in the search box

OR

1. Please visit the AIA Wyoming website:
2. Click on the “Find An Architect” tab
3. Click on the “AIA Wyoming Firm Map” tab
4. The map shows which cities have member architectural firms

OR

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