



# CONNECTION



## PATHWAY SPOTLIGHT: BUILDING TRADES & CONSTRUCTION

NOVEMBER 2024

newsletter 

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### STUDENT QUESTION & ANSWERS

**Why did you pick this pathway?**

I chose this pathway because I believed it would teach me essential life skills. Being in this class has given me the chance to show my leadership abilities, improve my problem-solving skills, and learn how to work well with others in a team.

**Favorite thing you learned in your pathway?**

My favorite thing I've learned in this pathway is getting the opportunity to build something from scratch. Over my three years in this pathway, I've worked on multiple projects, including a lemonade stand, a shed, and now a house. I enjoy working side by side with my classmates and seeing the end results of all our hard work.

**Briefly describe your participation in experiences and activities related to your pathway.**

I would say my experience in the Construction Academy has been good because it has taught me so many skills. I started working on a house that we built from scratch, where we had to learn the blueprints and the architecture involved.

**Favorite memory of being a part of the pathway.**

My favorite memory from being part of this pathway would probably be getting the opportunity to build an actual house. I feel like my teamwork skills have really grown from working with my classmates on this big project.

**Advice to students interested in your pathway.**

I would take the pathway because it's going to teach you way more than just basic skills in the classroom. You'll also learn important life lessons that you'll need in the future, no matter what profession you go into.

**Do your future goals include what you learned in your pathway?**

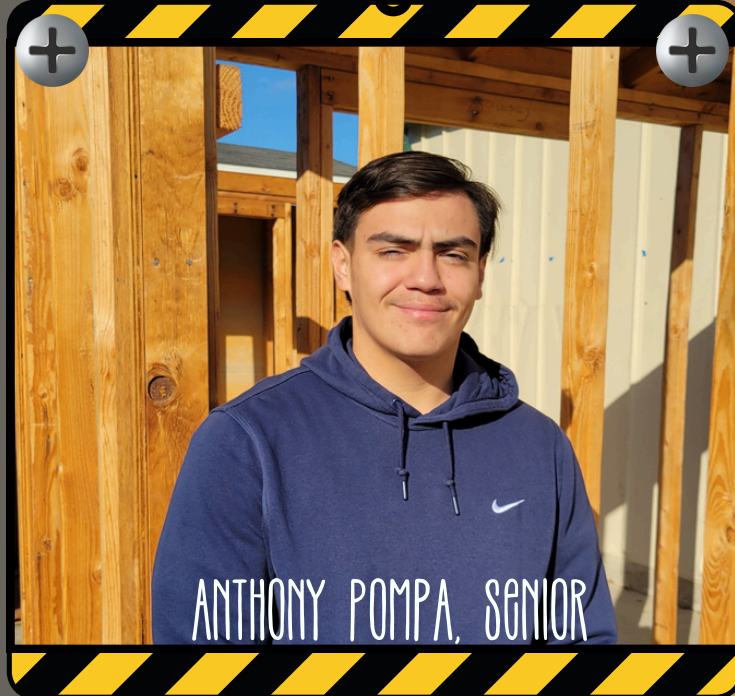
Yes, the Construction Academy has prepared me for my future because it has taught me skills I will need for college.

**How has this pathway prepared you for the future?**

The Construction Academy has prepared me for my future because it has taught me skills I will use later in life.

**What are your plans after high school?**

My plan after high school is to attend Fresno City College, where I plan to get my associate's degree.



ANTHONY POMPA, SENIOR

### PATHWAY AT A GLANCE

The Building and Construction Trades industry is a place where students can engage in an instructional program that integrates academic and technical preparation and focuses on career awareness, career exploration, and skill preparation. Standards are designed to prepare students for technical training, postsecondary education, and entry to a career. This industry emphasizes processes, systems, and the way in which structures are built. The knowledge and skills acquired through this pathway integrate hands-on, project-based, and work-based instruction; and leadership and interpersonal skills development. There are four pathways within this sector that emphasize real-world, occupationally relevant experiences: Cabinetry, Millwork, and Woodworking; Engineering and Heavy Construction; Mechanical Systems Installation and Repair; and Residential and Commercial Construction. The goals of these pathways are to prepare students for continued training, advanced educational opportunities, and direct entry to a career.



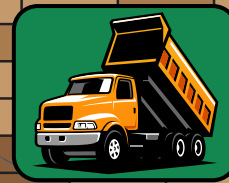
### PATHWAYS AT DHS



- Architectural Design
- Construction Management Academy
- Residential & Commercial Construction Pathway



# BUILDING TRADES AND CONSTRUCTION



## COLLEGE KNOWLEDGE



Dinuba High School provides three pathways in the building, trades, and construction sector of career technical education (CTE). Students can take courses within the Residential & Commercial Construction Pathway, Architectural Design Pathway, or be part of Dinuba High School's one-of-a-kind hands-on learning Construction Management Academy. Pathway students are presented with real-world project-based learning and gain valuable insight into the career sector through immersive college and industry tours. Students also have opportunities to engage and learn from industry experts and guest speakers.



According to the Workforce Investment Board of Tulare County, in 2023 there were 37,840 jobs in the Fresno, Tulare, and Kings County region, 18.3% of which were in the Building Equipment Contractors industry. Top programs in 2021 that produce the most graduates within our region includes College of the Sequoias (285), CSU Fresno (282), Fresno City College (205), and Reedley College (196).



Click on the links above or use the QR codes below to explore the programs at each college and university.



### UPCOMING EVENTS

- December 2** -Online CSU & UC Application Deadline
- December 2** -Online Reedley Application Deadline
- December 7** -Saturday School -Christmas Parade
- December 9** -Blood Drive
- December 11** -Be Future Ready Conf.
- December 14** -Winter Fantasia Choir Concert
- December 18** -Winter Wishes Assembly -Band Christmas Concert
- December 19** -DHS Financial Aid Night in the Cafeteria
- Dec 23 - Jan 13, 2025** -Winter Break

**MERRY CHRISTMAS**



## EDUCATION LEVEL & RELATED OCCUPATIONS

### Entry Level Careers (High School Diploma)

- Bricklayer/Stonemason 💰 \$30,180-\$96,750 ➡ Stable Demand
- Flooring Installer 💰 \$29,090-82,630 ➡ Increasing Demand
- Quality Control Technician 💰 \$25,000-\$100,000 ➡ Stable Demand
- Painter 💰 \$29,770-\$70,570 ➡ Increasing Demand
- Insulator 💰 \$29,120-\$66,210 ➡ Increasing Demand

### Technical Level Careers (Certificate and/ or Associate Degree)

- Plumber 💰 \$36,700-\$99,920 ➡ Increasing Demand
- Electrician 💰 \$37,020-\$99,800 ➡ High Demand
- Interior Designer 💰 \$30,000-\$94,000 ➡ Stable Demand
- Industrial Designer 💰 \$44,840-\$128,210 ➡ Stable Demand
- Carpenter 💰 \$31,880-\$80,940 ➡ Increasing Demand
- Construction Manager 💰 \$60,050-\$163,800 ➡ High Demand
- Demolition Expert 💰 \$28,820-\$85,560 ➡ High Demand
- Elevator Installer & Repairer 💰 \$47,370-\$130,940 ➡ High Demand

### Professional Level Careers (Bachelor's Degree)

- Landscape Architect 💰 \$40,000-\$115,000 ➡ Declining Demand
- Architect 💰 \$48,000-\$128,000 ➡ Stable Demand
- Electrical Engineer 💰 \$62,360-\$162,930 ➡ Stable Demand
- Land Surveyor 💰 \$25,000-\$100,000 ➡ Stable Demand
- Structural Engineer 💰 \$55,000-\$130,000 ➡ Increasing Demand
- Planner 💰 \$48,720-\$119,340 ➡ Increasing Demand
- Civil Engineer 💰 \$60,550-\$133,320 ➡ Increasing Demand
- Logistics Specialist 💰 \$45,160-\$122,390 ➡ High Demand



CLICK HERE

Tulare | Kings | Fresno Counties Labor Markets



# BUILDING TRADES AND CONSTRUCTION

## Career Cluster:

### Architecture and Construction

Jobs in this cluster focus on making, fixing, and taking care of houses, big buildings, roads, and bridges.

## College & Career Resources

### College Majors:

- [Construction Management](#)
- [Architecture](#)
- [Engineering](#)

### College & Universities:

- [Cal Poly San Luis Obispo](#)
  - [Construction Management](#)
  - [Engineering](#)
- [Fresno State](#) [CLICK HERE](#)
  - [Construction Management](#)
- [Reedley College](#)
- [Fresno City College](#)
  - [Construction Trades](#)

This industry focuses on how things are made and how they fit together. When you study this, you get to use your hands to make cool projects and learn how things work. You also learn how to be a good leader and talk with others.

At Dinuba High School you can study and take classes in [Construction Management](#), Residential & Commercial Construction, and Architectural Design.

## TED Ed

[Why doesn't the Leaning Tower of Pisa fall over?](#)  
One of the most epic engineering feats in history!

## epic! SCHOOL

Books to READ!

Sign-in to Clever & click on the book to read!



## ZOOM INTO CAREERS



The mission of the College & Career Department is to empower all students with educational and work-based experiences to ensure that they are college, career & life ready.

For more information visit our [website!](#)