

THE BUILDERS

Data Centers #8 · A Channel 5 Kids Adventure

with Lena Ashgrove and the Infrastructure Guard



CREDITS

The Builders · Data Centers #8 · Kids edition (ages 6–9)

Story and production: GOTB Consulting, Chicago

Starring Lena Ashgrove, Commons, Gridline and Undertow

AI-GENERATED ART, FICTIONAL CHARACTERS

All characters, the town of Prairie Bend and Channel 5 are fictional. Any resemblance to real people is a coincidence. No real logos are shown.

Facts in this book were checked against public sources before printing.

Building-site safety: never go onto a construction site. Builders wear hard hats, safety glasses and harnesses, and so should anyone helping!

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MEET YOUR GUIDES



**LENA
ASHGROVE**

Channel 5 host. She asks the big questions.



COMMONS

Public works boss. Lantern up!



GRIDLINE

Keeps the power moving.



UNDERTOW

Water hero. Knows every pipe.



LENA

TRAINS, PLANES, CABLES, POWER. WHO BUILDS
ALL OF IT? PEOPLE! LET'S MEET THEM.



COMMONS

GOOD MORNING, BUILDERS! EVERY BRIDGE,
PIPE AND WIRE STARTS WITH A CREW LIKE
YOU.



GRIDLINE

ELECTRICIANS WIRE LIGHTS AND POWER. THEY WEAR SAFETY GLASSES BECAUSE ELECTRICITY IS DANGEROUS!



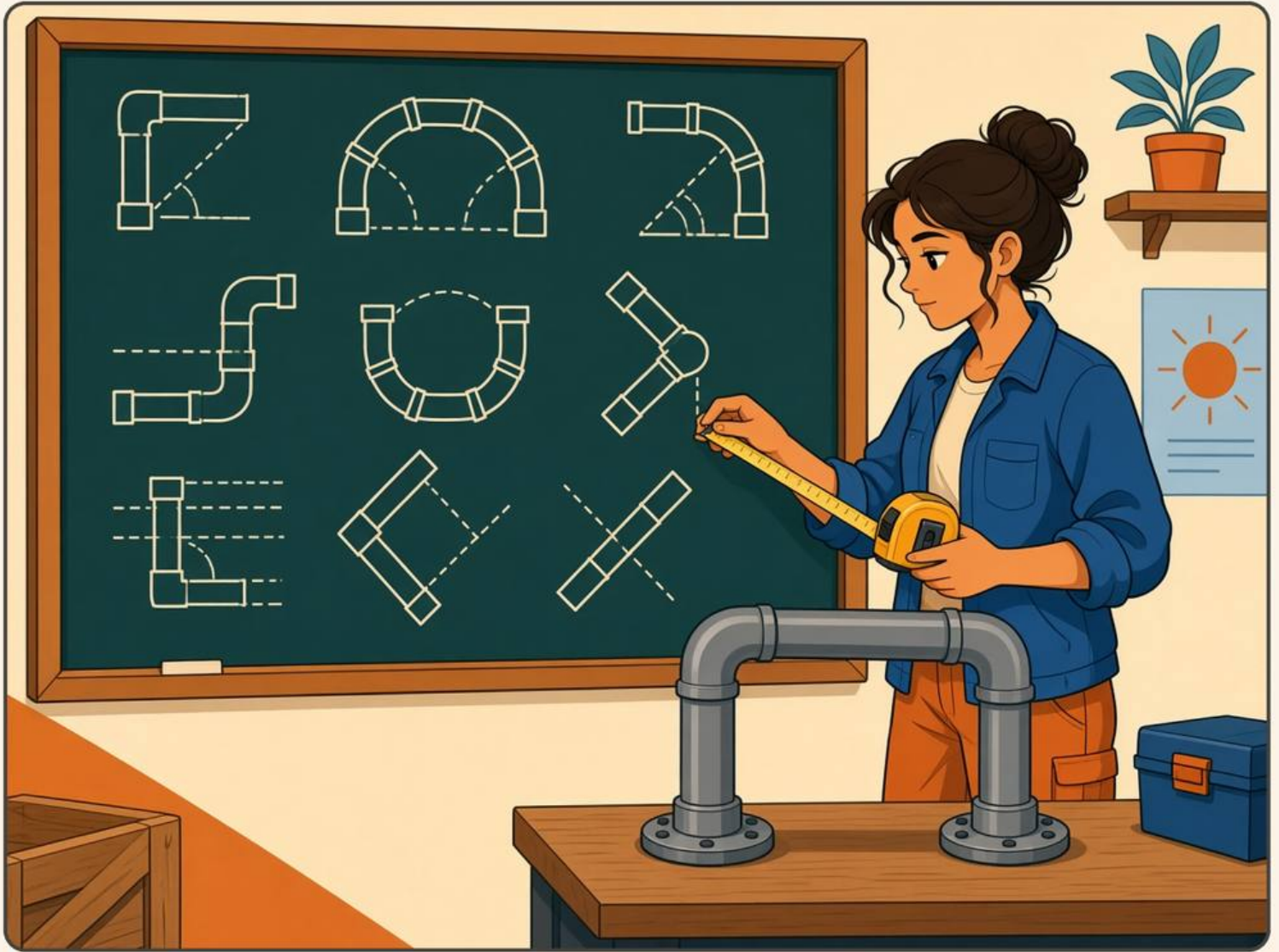
LENA

MANY LEARN AS APPRENTICES. THEY GET PAID
TO LEARN ON THE JOB FOR FOUR OR FIVE
YEARS!



UNDERTOW

PLUMBERS AND PIPEFITTERS BUILD THE PIPES
FOR WATER, FROM MY TUNNELS TO YOUR SINK.



Pipefitter apprentices study math and science, too!



GRIDLINE

MORE COMPUTERS AND DATA CENTERS NEED
MORE ELECTRICITY, AND MORE ELECTRICIANS.



LENA

VERIFIED

IN 2025, AMERICA HAD ABOUT 821,000
ELECTRICIANS. WE'LL NEED EVEN MORE!



COMMONS

LINE WORKERS FIX POWER LINES HIGH IN
THE AIR, SAFELY BUCKLED IN.



LENA

MAYBE ONE DAY YOU'LL BUILD SOMETHING
TOO. IT STARTS WITH BEING CURIOUS!



LENA

NEIGHBORS ASK: WHO BUILDS IT, AND WHO GETS TRAINED? GREAT QUESTIONS.



LENA

THANK YOU, BUILDERS! SEE YOU NEXT TIME
ON CHANNEL 5!

Made with GOTB Consulting, who help plan the power, water and public works behind places like this.

WORDS TO KNOW

ELECTRICIAN

A worker who wires lights and power.

PLUMBER

A worker who builds water pipes.

PIPEFITTER

A worker who builds big pipes for buildings.

LINE WORKER

A worker who fixes power lines up high.

APPRENTICE

A grown-up who gets paid to learn a job.

HARD HAT

A strong hat that protects your head.

SAFETY GLASSES

Glasses that protect your eyes.

HARNESS

Straps that keep workers safe up high.

HOW A BUILDER GETS STARTED

Trace the path with your finger, from start to finish.

CURIOUS

Ask how things work.



SCHOOL

Learn math and science.



DIPLOMA

Finish high school.



APPRENTICE

Get paid to learn for 4 or 5 years.



LICENSE

Pass a test.



BUILD

Build the city!

WORD SEARCH

Find these words. They go across, down, or slanted.

R	E	H	B	B	I	Y	E	T	T	Y	D
M	H	A	G	U	T	D	K	E	S	E	S
D	L	R	H	N	I	M	Y	D	G	H	J
D	A	D	U	V	C	L	G	D	B	V	N
S	N		J	U	E	Y	D	T	V	W	S
M	T	H	M	H	A	M	M	E	R	H	Y
B	E	A	P	R	O	K	M	D	R	L	M
T	R	T	J	I	T	D	O	C	E	N	U
L	N	O	J	W	P	R	G	S	R	U	A
Y	N	C	N	A	I	E	U	J	I	E	U
Y	C	R	A	N	E	R	H	C	B	N	W
S	A	F	E	T	Y	E	E	G	K	M	K

BUILDER

WIRE

PIPE

HAMMER

HARD HAT

CRANE

TRUCK

SAFETY

CREW

LANTERN

QUICK QUIZ

Circle the best answer!

1. About how many electricians did America have in 2025?

About 821,000

About 8

2. How long is an apprenticeship?

4 or 5 years

One day

3. What protects a worker's eyes?

Safety glasses

Sunglasses on a hat

4. Who fixes power lines up high?

Line workers

Pilots

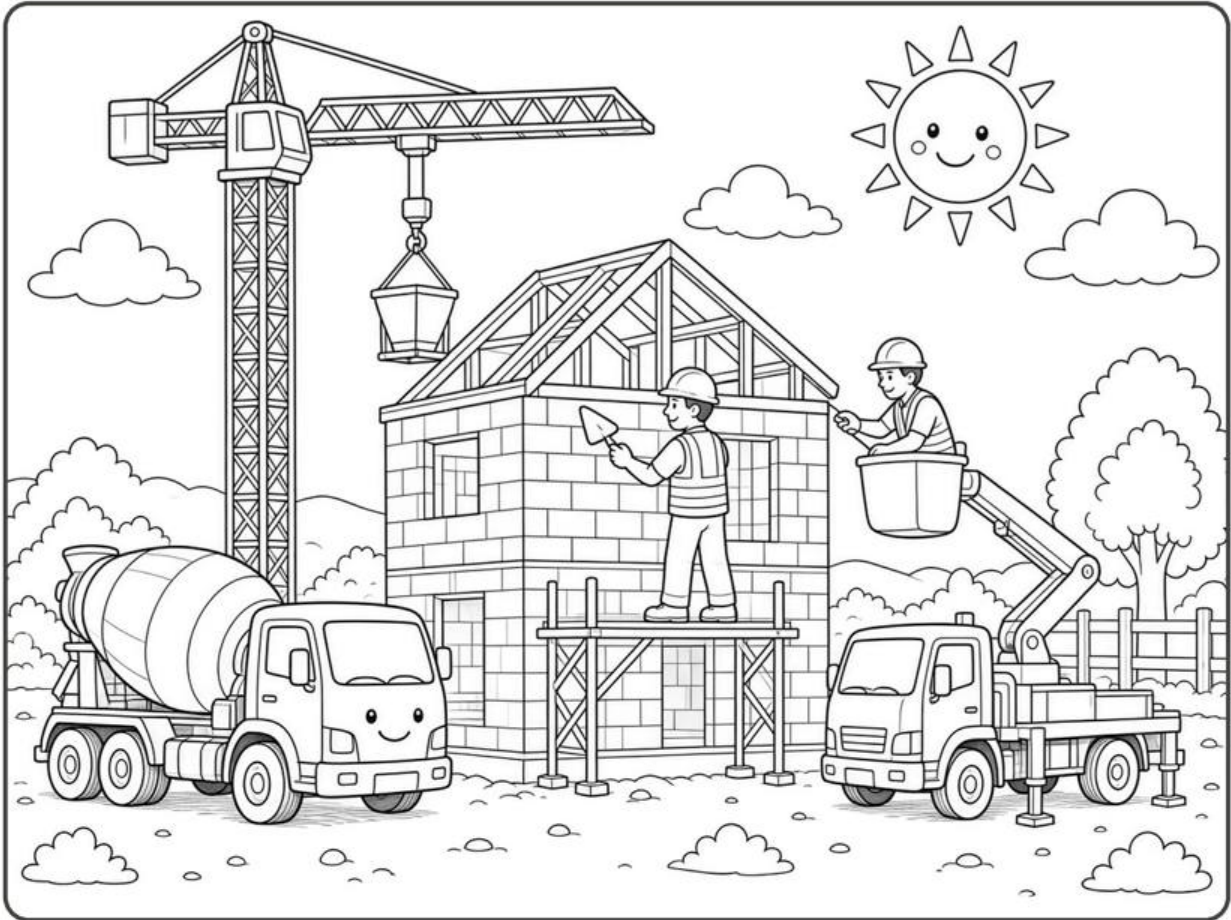
5. Do apprentices get paid to learn?

Yes!

No

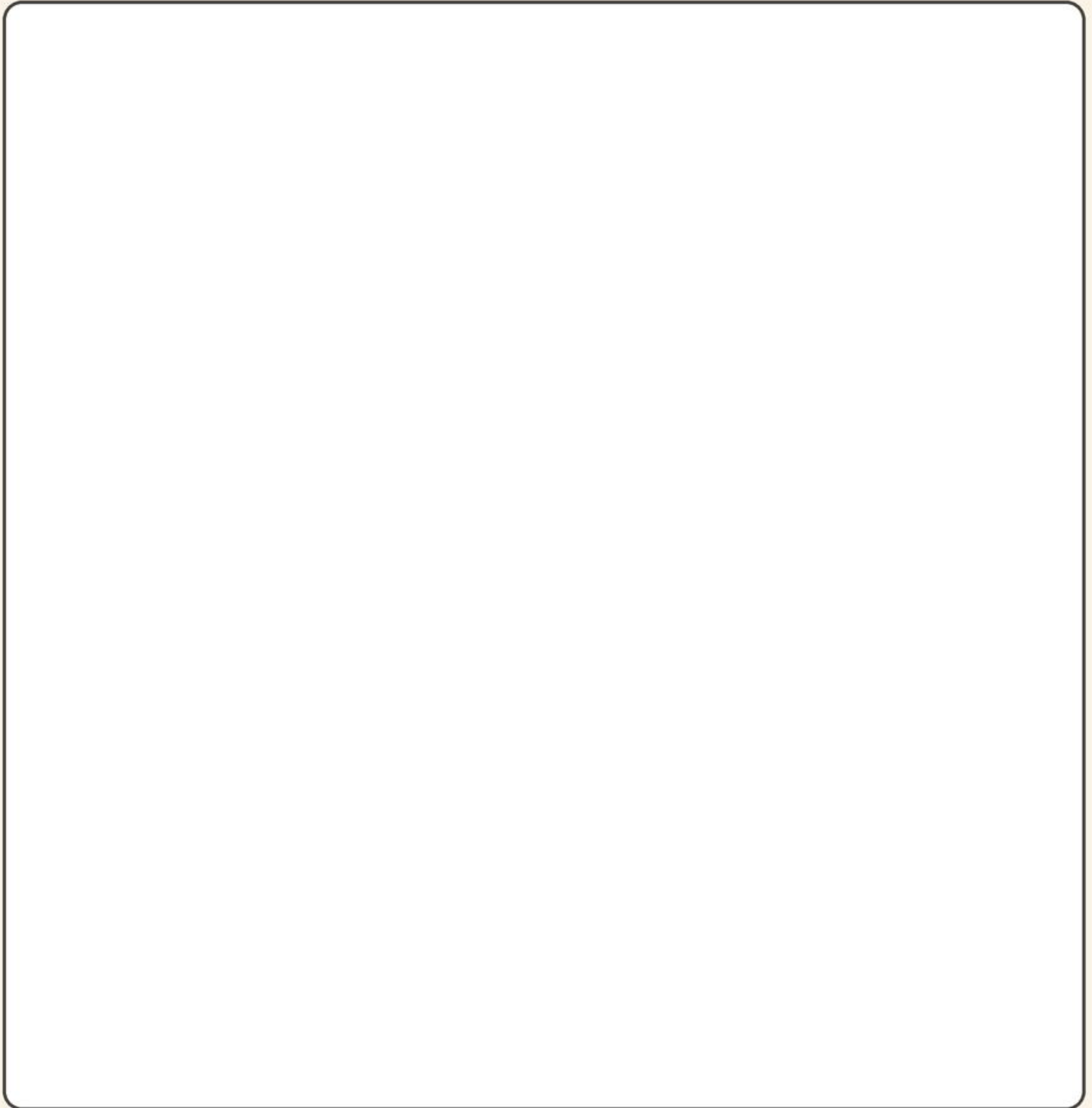
Answers: 1 about 821,000 · 2 4 or 5 years · 3 safety glasses · 4 line workers · 5 yes!

COLOR THE BUILDING SITE



DESIGN YOUR TOOL BELT

Draw the tools you would carry to build something great!



My first project: _____

LET'S TALK ABOUT IT

Questions to share with a grown-up

WHAT WOULD YOU LIKE TO BUILD ONE DAY?

WHY DO BUILDERS WEAR HARD HATS AND
SAFETY GLASSES?

WHICH JOB LOOKS MOST FUN: ELECTRICIAN,
PLUMBER OR LINE WORKER?

WHO BUILT SOMETHING YOU USE EVERY DAY?

ABOUT GOTB CONSULTING

GOTB Consulting is a Chicago team that helps plan the big systems towns depend on.

We work on four things you saw in this book:

DATA CENTERS

Where the cloud lives

POWER

Electricity for homes and buildings

WATER

Clean water and smart cooling

PUBLIC WORKS

Roads, pipes and places for people

THE END!



THANKS, BUILDERS!

Next time: more adventures with the Infrastructure Guard!

GOTB CONSULTING • CHICAGO

Data centers • Power • Water • Public works

AI-generated art, fictional characters