

Explore BLDG Trades Educator Guide

Contents

WELCOME TO EXPLORE BLDG TRADES!

AT A GLANCE

- Explore BLDG Trades Digital Resources
sbrchamber.com/bldgtrades

2025 CONTEST

- Overview: Create and Share a BLDG Trades Connection Card

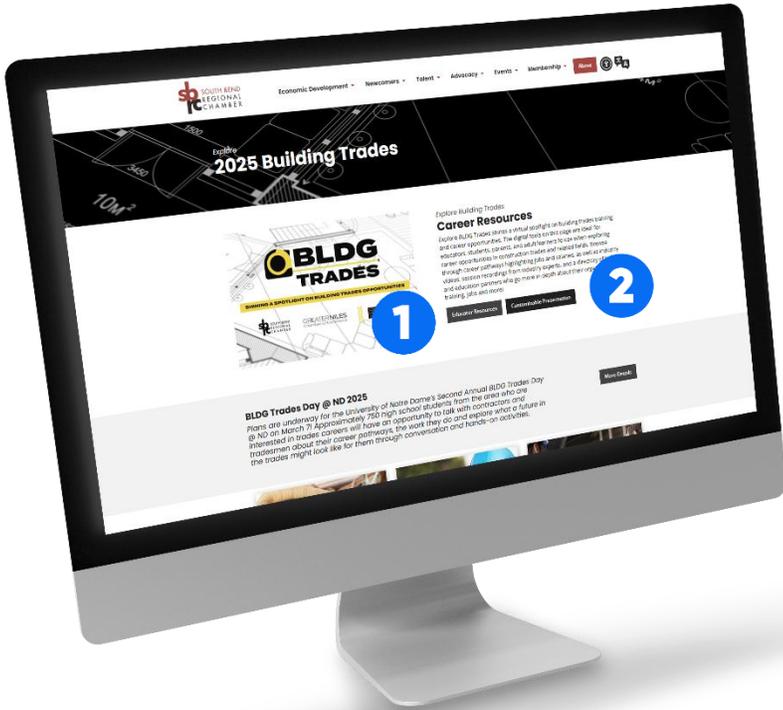
READY TO USE STUDENT ACTIVITIES

- Video and Anticipation Guide
- Challenge 1
- Challenge 2

SUPPLEMENTAL RESOURCES

AT A GLANCE: Explore BLDG Trades Digital Resources

The South Bend Regional Chamber hosts an [Explore BLDG Trades website](#), ideal for educators, students, parents, and adults, to shine a virtual spotlight on building trades training and career opportunities. Users can browse through the following information:



1. The **Educator Guide** with ready-to-use student activities and supplemental sites to support K12 BLDG Trades Exploration.

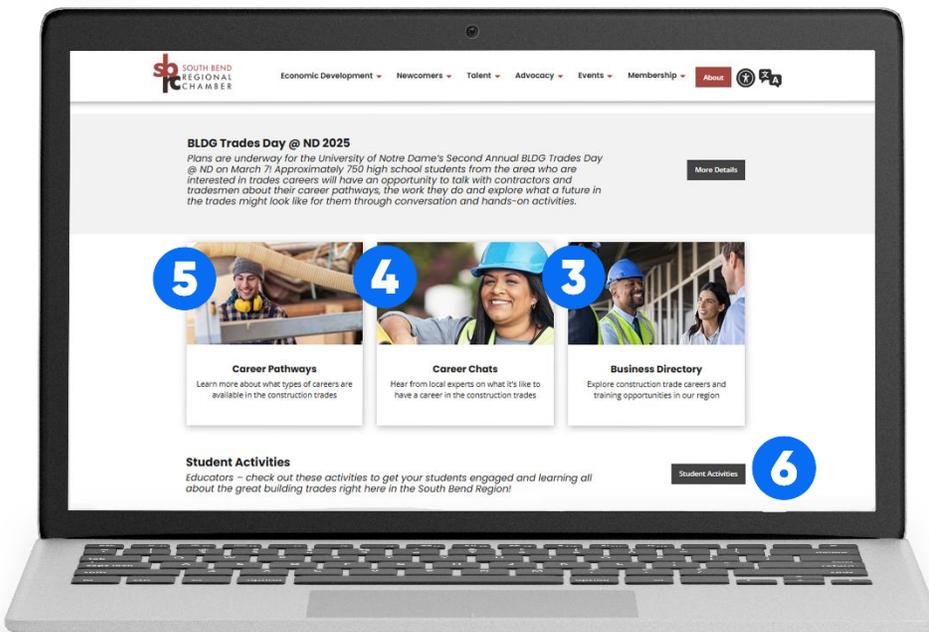
2. An introduction to BLDG Trades and regional education pathways with a **customizable Google Slide presentation**.

3. A list of **regional construction industry employers**.

4. **Video chats** with locals working in the industry.

5. Regional **career & salary information**.

6. **Engage** with BLDG Trades through two challenge projects.



Create a BLDG Trades Digital Connection Card | 2025 Contest Overview

Create and share a [BLDG Trades Connection Card](#) to show how you are shining a spotlight on BLDG Trades opportunities with students at your school or community organization.

CREATE

SHARE

PURPOSE

To promote and showcase student career exploration, the use of the South Bend Regional Chamber's Explore BLDG Trades digital resources and connect educators with other promising practices.

ELIGIBILITY

This contest is open to **public, private and charter school staff and community organizations** who serve K-12 students.

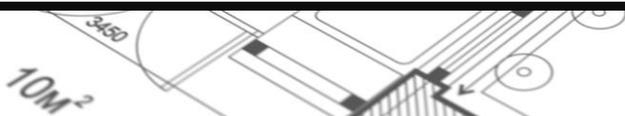
Contest Period – February 12, 2025, 8:00 AM EST – March 7, 2025, 11:59 PM EST

ENTRY INSTRUCTIONS

1. Plan and do a BLDG Trades exploratory activity with a class or group. Ideas include the Chamber's BLDG Trades Student Challenges, ideas from resources in this educator guide or an original idea.
2. Create a [BLDG Trades Connection Card](#) to share and connect with others. Edit the Connection Card Template to introduce yourself, a picture of your class/group doing the activity or the class's activity outcomes, and a brief description of how the class/group explored BLDG Trades.
3. Share your Connection Card to this [Padlet platform](#).

RULES/GUIDELINES

- Staff may submit up to five unique entries for a contest. Posts must include the edited Connection Card that contains staff member's info, a picture of the activity or outcome and a brief description.
- Entries must be posted by midnight EST on **March 7, 2025**.
- South Bend Regional Chamber may feature entries on its social media accounts, website and newsletters.
- For prize purposes, groups represented on a connection card must be 30 or fewer. Larger groups may be represented on additional entries up to the (5) maximum per person.
- Staff must have permission from their supervisor or administrator to participate.
- **Prizes:** (3) Entries will be randomly drawn for a \$50 restaurant gift card prize. 1 prize per person. Winners may select from any South Bend Regional Chamber member restaurant featured [here](#).



Name _____ Period _____

Intro to BLDG Trades Video Anticipation Guide

BEFORE watching the video: Anticipate what the blanks are in these sentences and record your ideas in the **Before Watching** column.

Watch [the video](#): Record the actual blanks for each sentence.

Question	Before Watching	Actual
How high is student debt in the U.S.?		
Out of every job in the U.S. Labor market, how many jobs require a 4-year degree or higher?		
What is one example of the name and average salary of a construction trade.		
Name two reasons why someone may want to pursue a career in construction.		

Name _____ Period _____

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STUDENT ACTIVITY: BLDG Trades Challenge 1

Recommended: Grades 8–12

BLDG TRADES
SHINING A SPOTLIGHT ON BUILDING TRADES OPPORTUNITIES

in Explore BLDG Trades Challenge:
Build a LinkedIn Profile for a Construction Professional

Insert Photo Name Edit Me

Company Edit Me

Occupation Edit Me

Experience

Education

Notable Projects

Industry Certifications

Knowledge & Skills

BLDG TRADES | SOUTH BEND REGIONAL CHAMBER OF COMMERCE | GREATER NILES Chamber of Commerce

OVERVIEW

Students choose a construction related career. They use the Chamber Explore BLDG Trades and other resources (digitally linked on the student template) to explore career information and build a profile. This activity may qualify as an Indiana Career Coaching Framework **EXPLORE** or **EXPERIENCE** activity.

STUDENT ACTIVITY: BLDG Trades Challenge 2

Recommended: Grades 6–12

BLDG TRADES
SHINING A SPOTLIGHT ON BUILDING TRADES OPPORTUNITIES

BLDG Trades Challenge: Plan a BLDG Project

What Would You Build?

Identify What Type of Building: House, Restaurant, Office Building, Medical Facility, Hotel, Factory, Sports Facility, Community Center, Library, Store, Government Building, School, Bank, Other?

Sketch or Picture

How Would You Design? **Where Would You Build?**

How many Floors/Levels? Research the paint color of the year for fun. Then, explore and record the name(s) of paint color(s) you would choose? Describe or draw the Location

Research building materials and record (10) that you will need.

Who Would You Hire?

Companies Using the Explore BLDG Trades Careers + Training resource, find and record (5) companies you would hire for your construction project. Record the name of the company and summarize what product or service they would provide.

COMPANY	PRODUCT SERVICE

Choose Your Part Choose (1) phase of construction you would MOST enjoy working on yourself.
 Planning & Design Pre Construction Construction

Jobs and Pay In one or two phases of construction, use the Explore BLDG Trades Career Pathways section of the website to find and record 5 occupations you would need to hire to build your project and the average hourly wage you would need to pay.

OCCUPATION	HOURLY WAGE

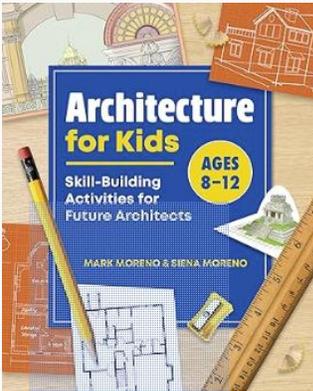
Equipment Research construction tools and heavy equipment. Name (5) tools or equipment your construction project will need.

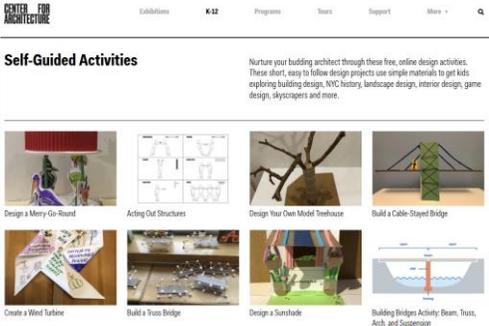
BLDG TRADES | SOUTH BEND REGIONAL CHAMBER OF COMMERCE | GREATER NILES Chamber of Commerce

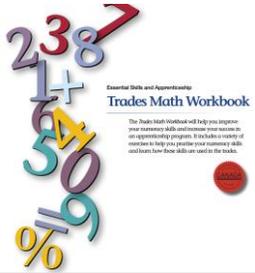
OVERVIEW

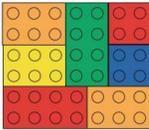
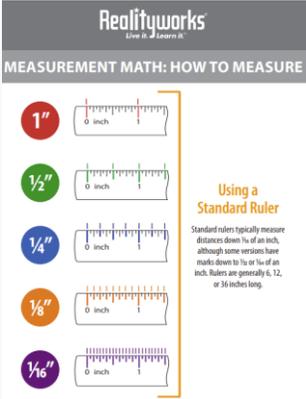
Students choose a construction building project and complete a series of design, planning, and career exploration tasks. They use the Chamber Explore BLDG Trades page and their own research to complete. This activity may qualify as an Indiana Career Coaching Framework **ENGAGE** or **EXPERIENCE** activity.

RESOURCES

PICTURE	LINK SOURCE	DESCRIPTION
	<p>Architectural-Scavenger-Hunt.pdf</p> <p>Portsmouth Art & Cultural Center</p>	<p>Handout of architectural details and space to draw a house design</p>
	<p>Indiana - CIEF - Construction Industry Education Foundation</p>	<p>Indiana Design Build Competition – April 30- May 1, 2025</p> <p>About Info states Travel Reimbursement Available</p>
	<p>Blick</p> <p>Dancing Houses Art Project</p>	
	<p>\$8.69</p> <p>Architecture for Kids: Skill Building Activities for Future Architects</p>	<p>A hands-on introduction to drawing and architecture for kids 8 to 12</p>

PICTURE	LINK SOURCE	DESCRIPTION
	<p>\$9-\$10 Amazon</p>	<p>Book exploring buildings, landscapes, public places and public art in Indiana.</p> <p>Model building activity inspired by Lucas Oil Stadium and Sculpture activity inspired by LOVE sculpture at the end</p>
	<p>Resources - Center for Architecture</p>	<p>K12 Architecture Activities</p>
	<p>Building the Next Generation: Construction Programs for Girls (and Boys!) – NAWIC.ORG</p>	<p>NAWIC's (Women in Construction) Education Foundation sponsors (3) K-12 & College Programs.</p> <p>9-12 is a Design Drafting Competition.</p>
	<p>ACE Mentor Program of America – Architecture • Construction • Engineering</p>	<p>Indianapolis is the closest active chapter.</p> <p>National program with regional affiliates- students work in a team to complete a design build project with industry mentors</p>

PICTURE	LINK SOURCE	DESCRIPTION
 <p>Essential Skills and Apprenticeship Trades Math Workbook</p> <p>The Trades Math Workbook will help you improve your mathematics skills and gain more confidence in an apprenticeship program. It includes a variety of exercises to help you practice your necessary skills and learn how these skills can apply to the trades.</p>	<p>Trades Math Workbook</p>	<p>Answer key at the end</p>
	<p>GeoThermal Science Project/Lab</p> <p>Or</p> <p>Thermal Powered Flower</p>	<p>ND uses Geothermal to power its campus. Explore this energy source with an experiment.</p>
<p>GEOHERMAL ENERGY A GEOHERMAL TEACHER GUIDE FOR GRADES 9 – 12</p> <p>For teachers of Ancient and Western Civilization, World and U.S. History, U.S. Government, Geology, Earth Science, Environmental Science, and Physical Science</p> 	<p>Dept of Energy Geothermal Teacher Guide</p>	<p>9-12</p> <p>Advanced projects for exploring Geothermal Energy.</p>
	<p>What is Future City - Future City® Competition</p>	<p>Competition where middle school and high school teams of students design a futuristic city with professional mentorship. Projects must include an essay, model, presentation, and project plan.</p>

PICTURE	LINK SOURCE	DESCRIPTION
	<p>9-12 NAHB Takeoff & Build Challenge</p>	<p>Sample questions and framework for NAHB's Construction Management Takeoff Challenge.</p> <p>Elementary and Middle School Build Projects can be explored here</p>
	<p>The House That She Built</p>	<p>K5 Book and Curriculum (Both hands-on and traditional)</p> <p>And Valentines!</p>
<p>Name: _____</p> <p>Perimeter and Area</p>  <p>Perimeter: _____</p> <p>Area: _____</p>	<p>Lego Area and Perimeter WS</p>	
	<p>How to Measure Infographic</p>	<p>Have kids measure various things in classroom as a follow-up.</p>