



SUPPORT HVACR TRADE INC.

Tommy & Theo

HVAC Adventure Activity Pack

Color, solve, and explore the world of HVAC!

AGES 7-14

What's Inside

- 2 coloring pages
- HVAC crossword puzzle
- Spot the difference
- Fun HVAC facts
- HVAC word search
- Duct-tracing maze
- Draw-your-own HVAC system
- Certificate of completion

supporthvacrtrade.com | oneil@supporthvacrtrade.com



Meet Tommy & Theo

Tommy and Theo are best friends who love figuring out how things work. In the Tommy & Theo book series, they explore homes, schools, and neighborhoods to discover how HVAC systems keep buildings comfortable — from the furnace that makes heat, to the ducts that carry air, to the vents that bring it into every room.



TOMMY

Curious & loves tools



THEO

Asks great questions

How to Use This Pack

- ✓ Grab crayons, colored pencils, or markers for the coloring pages.
- ✓ Use a pencil for the word search, crossword, and maze so you can fix mistakes.
- ✓ Check your answers on the Answer Key page near the end.
- ✓ Finish the whole pack to earn your Certificate of Completion!

Want More Tommy & Theo Adventures?

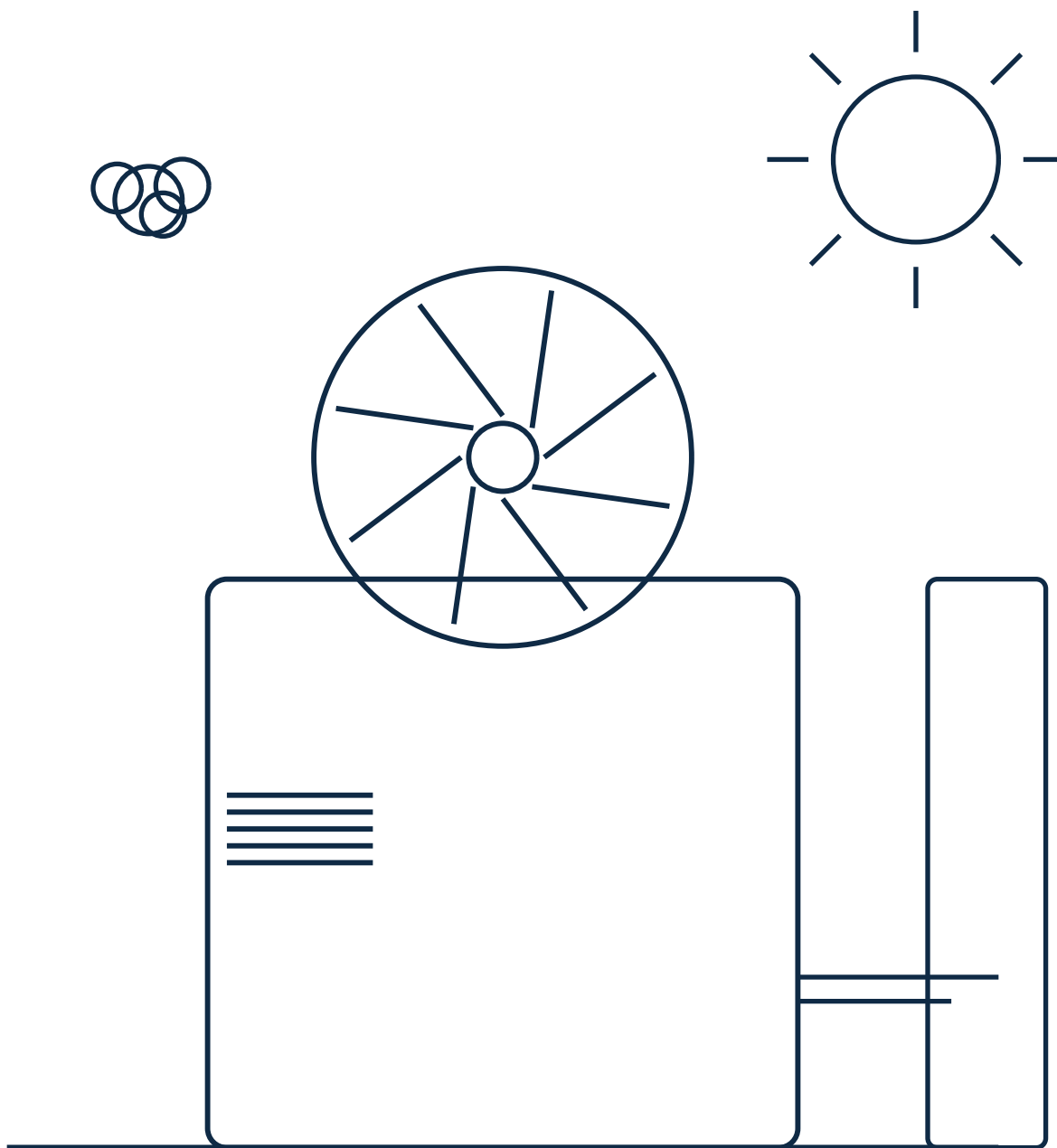
Discover the full Tommy & Theo children's book series — introducing kids ages 7-14 to STEM, skilled trades, and the exciting world of HVACR careers.

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Cool It Down!

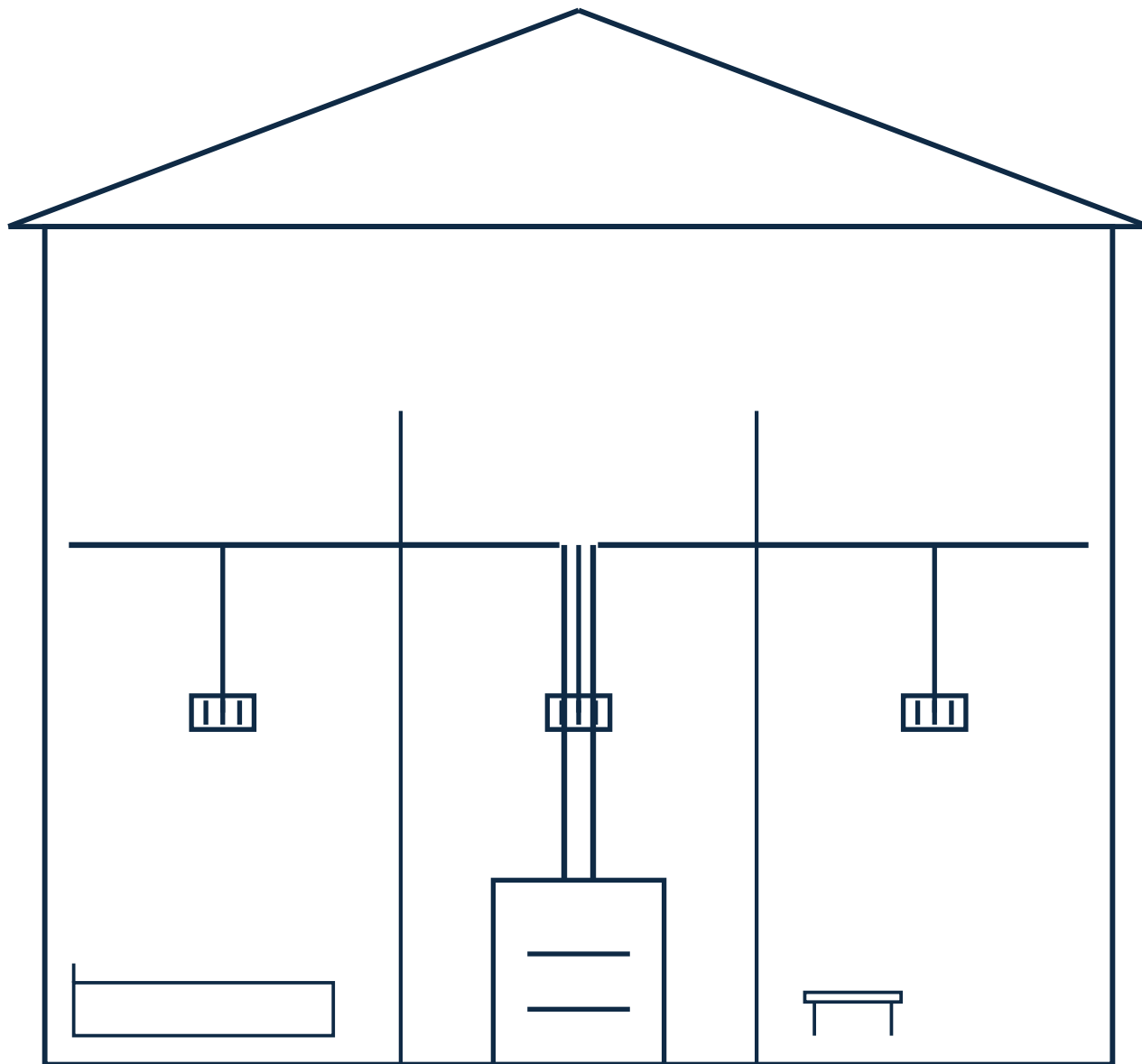
This outdoor unit helps keep the whole house cool. Color it in!





Follow the Duct!

Air travels from the furnace, through the ducts, and out the vents. Color the journey!





HVAC Word Search

Find all 12 HVAC words hidden in the grid below.

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

Find These Words:

- | | | |
|--------------------------------------|---------------------------------|-------------------------------------|
| ☐ AIR | ☐ COOL | ☐ DUCT |
| ☐ FAN | ☐ FILTER | ☐ FURNACE |
| ☐ REFRIGERANT | ☐ SAFETY | ☐ TECHNICIAN |
| ☐ THERMOSTAT | ☐ TOOL | ☐ VENT |

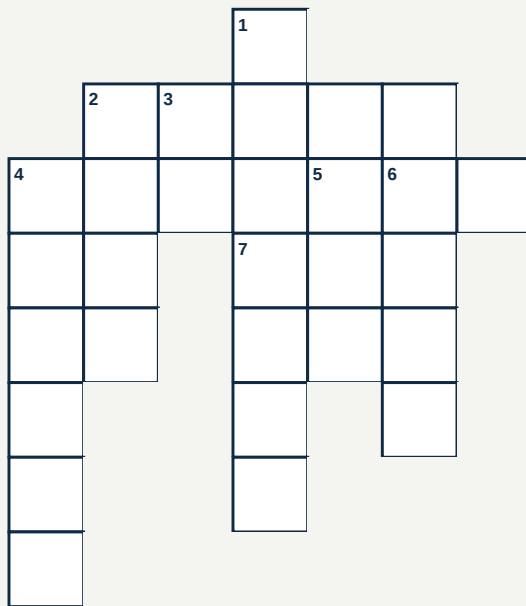
Love Word Puzzles?

Discover more activities in the Tommy & Theo Adventure Series
at supporthvacrtrade.com



HVAC Crossword

Use the clues below to fill in the grid.



Clues:

1. (Down) Where air flows out into a room
2. (Down) A tube that carries air through a building
3. (Across) What a furnace makes
4. (Across) Heats the air inside a home during winter
4. (Down) Traps dust so the air you breathe stays clean
5. (Down) What we breathe, and what HVAC systems move
6. (Down) The opposite of hot
7. (Down) A wrench or screwdriver is one of these

HVAC Vocabulary Bonus

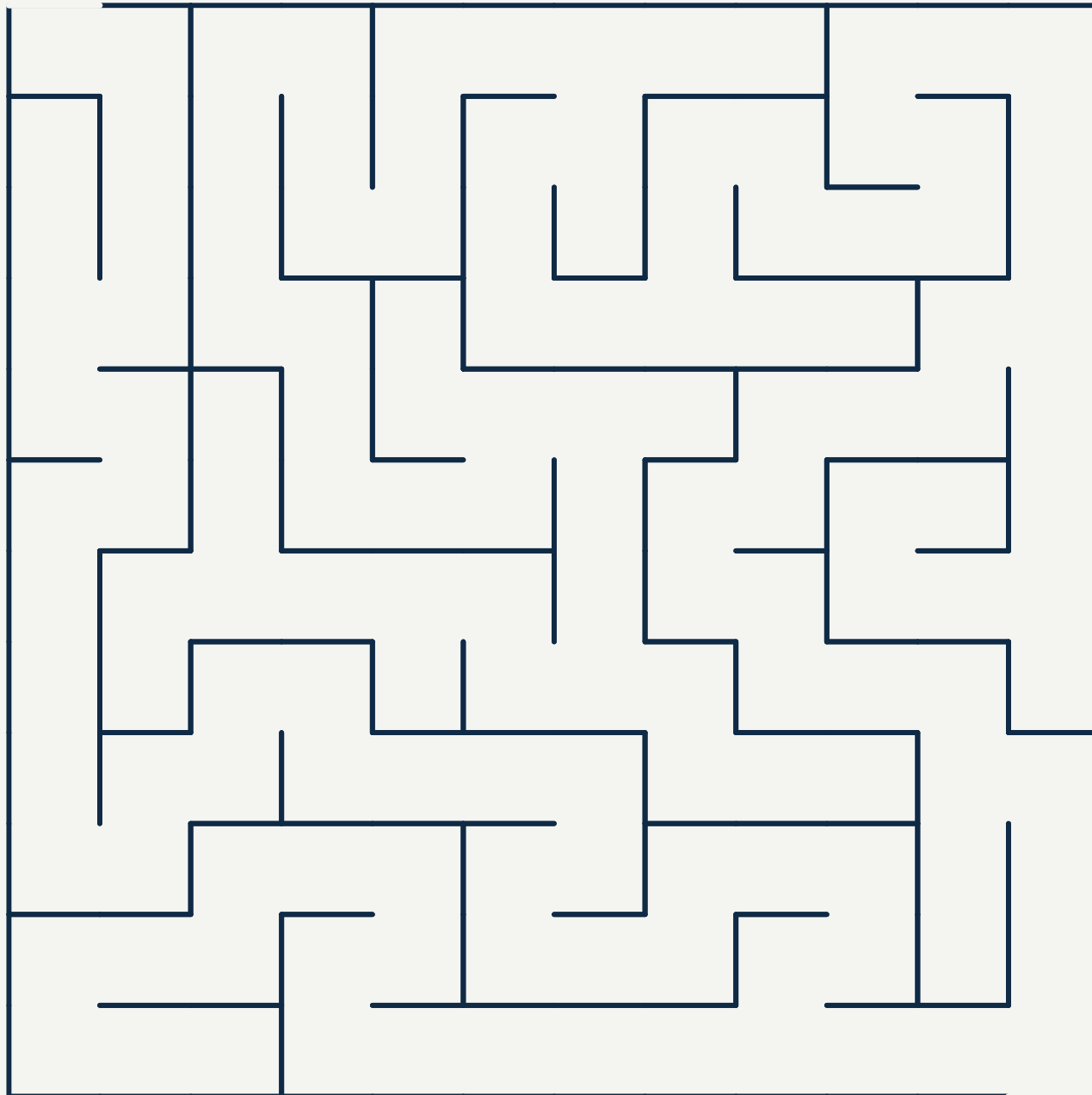
- HVAC:** Heating, Ventilation & Air Conditioning — all the systems that keep buildings comfortable.
- Technician:** A trained professional who installs, maintains, and repairs HVAC systems.
- EPA 608:** A certification HVAC technicians need before working with refrigerant.



Help the Air Find Its Way!

Trace a path from the furnace (START) all the way to the vent (FINISH).

START



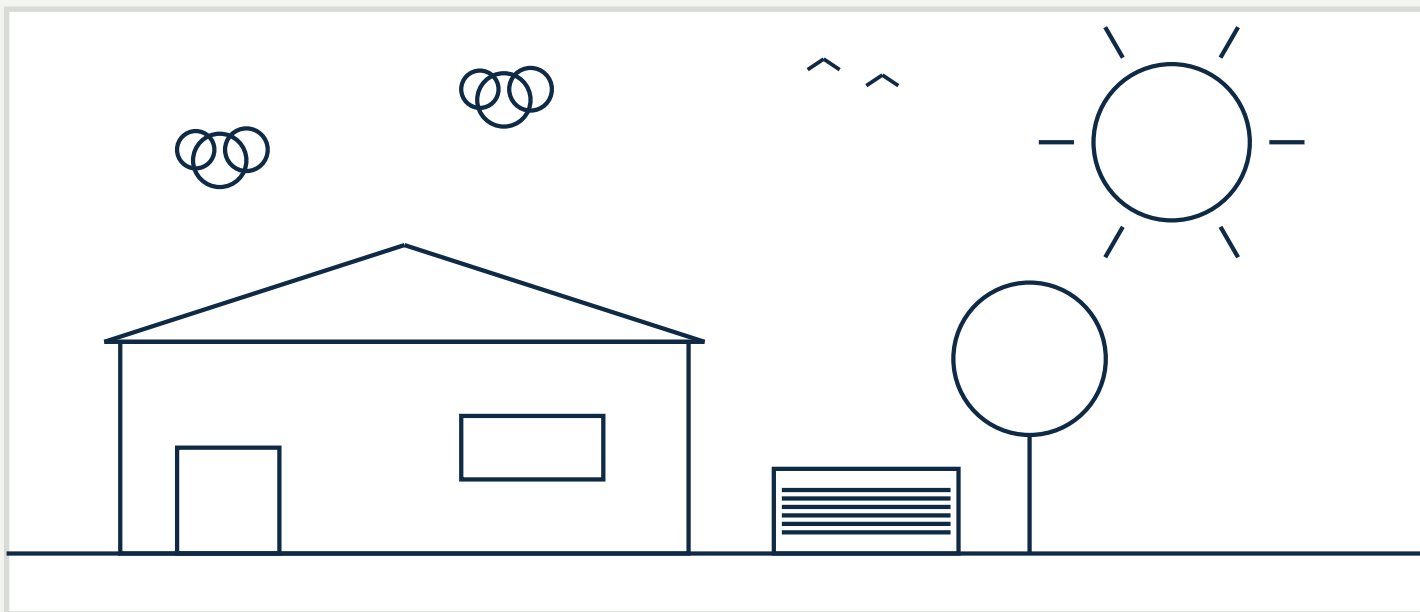
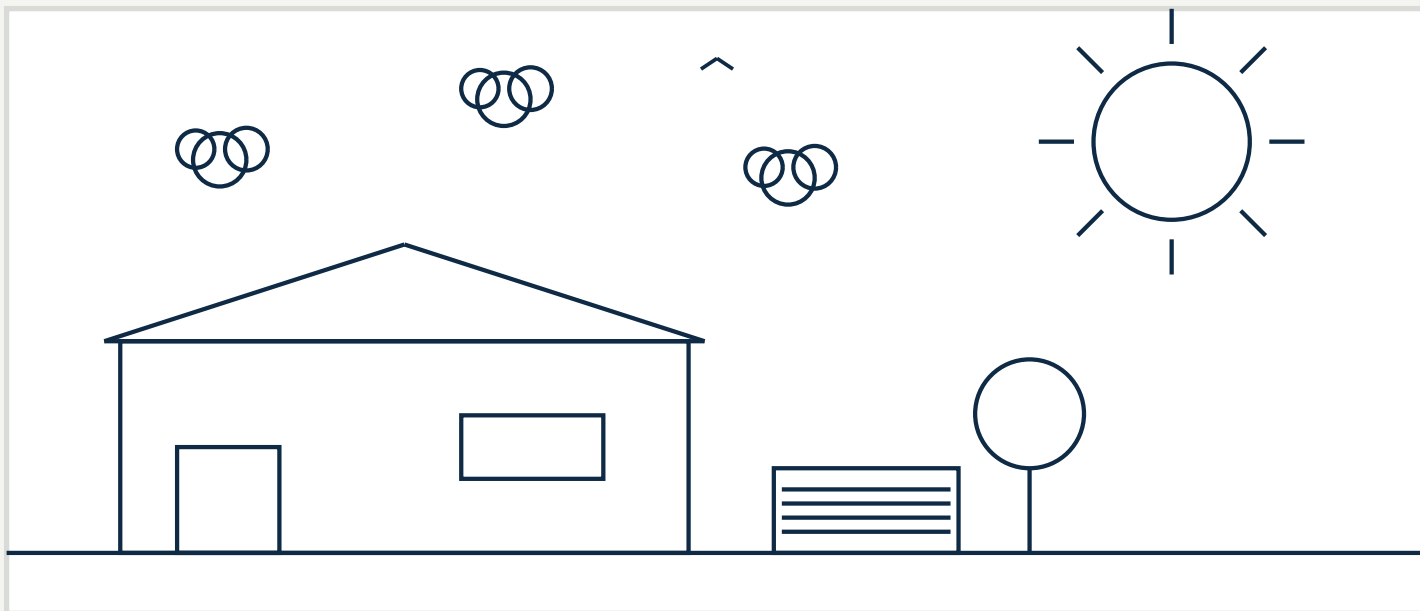
FINISH

Tip: In a real HVAC system, ducts are sized and routed by technicians to keep airflow balanced in every room.



Spot the Difference

These two pictures look the same... but 5 things are different. Can you find them all?



Hint: Look closely at the sky, the tree, the outdoor unit, and the birds!

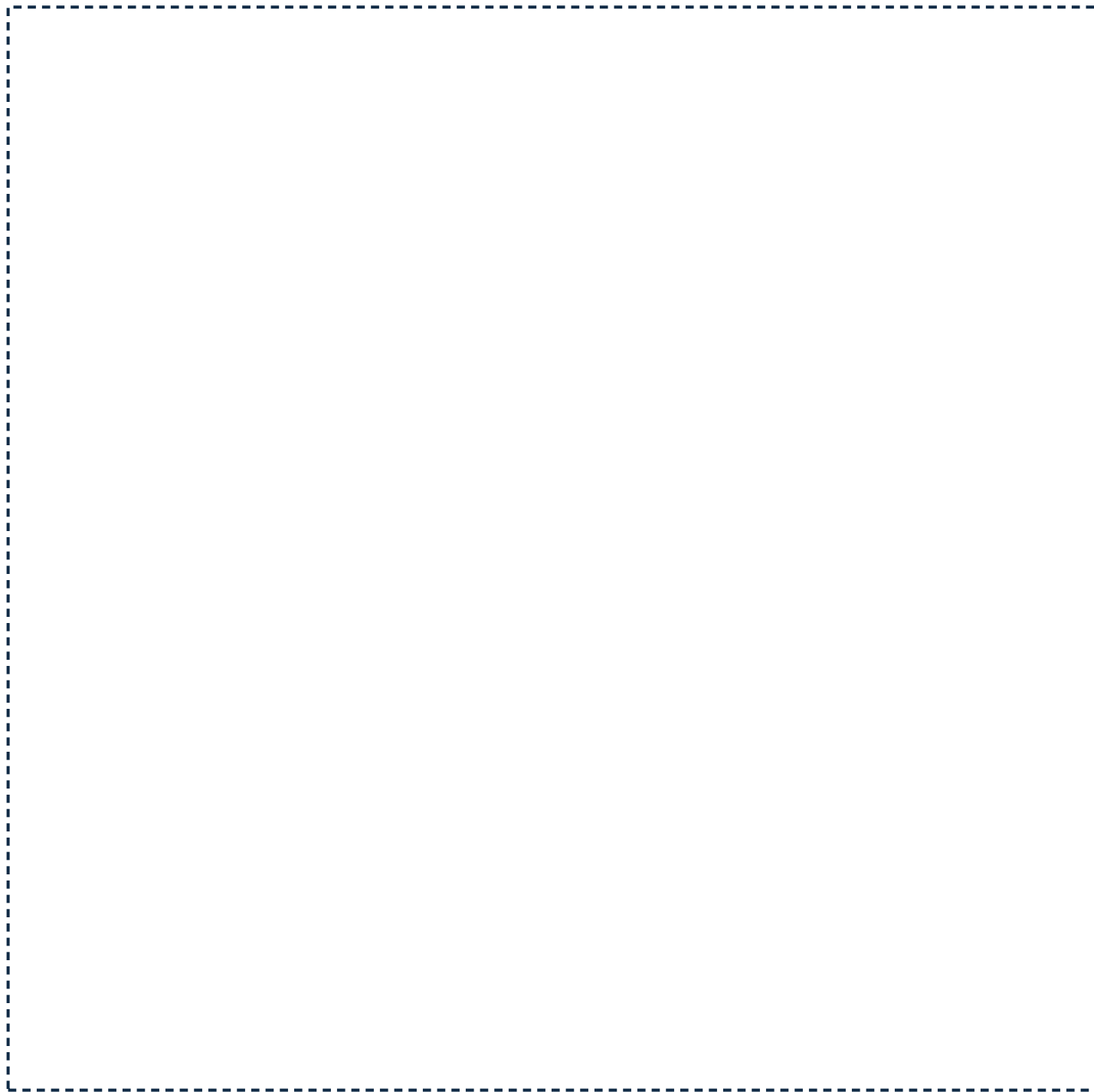
Circle each difference you find, then check the Answer Key.



Draw Your Own HVAC System!

Design a home HVAC system. Don't forget these parts:

- ☐ Furnace or heat pump
- ☐ Ductwork
- ☐ Vents in every room
- ☐ A thermostat
- ☐ An outdoor unit





Fun HVAC Facts

- ★ HVAC stands for Heating, Ventilation, and Air Conditioning.
- ★ The first modern air conditioner was invented in 1902 to control humidity in a printing plant.
- ★ HVAC technicians help keep hospitals, schools, grocery stores, and homes comfortable every day.
- ★ Refrigerant absorbs heat from indoor air and releases it outside to cool a building.
- ★ A well-maintained HVAC system can last 15-20 years or longer.
- ★ HVAC technicians use math, science, and problem-solving every single day on the job.
- ★ Air can travel through hundreds of feet of ductwork before it reaches your room!
- ★ Some HVAC careers start with just a certificate — no four-year degree required.

Explore More STEM Adventures & Career Pathways

Support HVACR Trade Inc. offers hands-on workshops, online courses, and career pathways for students ready to go beyond curiosity into skilled trades careers.

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Answer Key

Word Search Solution

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

Crossword Solution

				1V					
	2D	3H	E	A	T				
4F	U	R	N	5A	6C	E			
I	C		7T	I	O				
L	T		O	R	O				
T			O		L				
E			L						
R									

Spot the Difference — 5 Differences

- Picture 2 has one fewer cloud in the sky.
- The sun has fewer rays in Picture 2.
- The tree is taller in Picture 2.
- The outdoor unit has more louver lines in Picture 2.
- There's a second bird in Picture 2, and the first bird moved.

Maze Solution





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Certificate of Completion

This certificate is proudly presented to

for completing the Tommy & Theo HVAC Adventure Activity Pack and showing great curiosity about how HVAC systems keep our homes and communities comfortable.



Oneil Fuller, Founder

Date