

# Kid Scoop® .COM

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KID SCOOP CAREERS SERIES

# HVAC TECHNICIAN

What do you want to be when you grow up? HVAC technicians help keep us warm when it's cold and cool when it's hot!

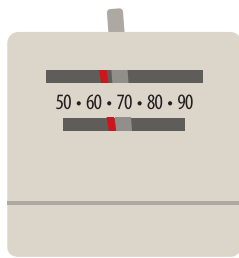
Does your classroom or home have a heater and/or an air conditioner? If so, you can thank an HVAC technician!

HVAC stands for Heating, Ventilation, Air Conditioning.

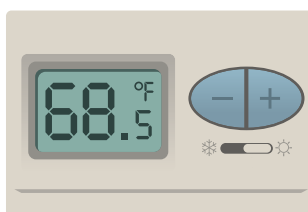
An HVAC technician installs, repairs, and maintains heating, ventilation and air conditioning systems that control the temperature and air quality in buildings.

If your home has central heating or air conditioning, you probably have something in your house called a thermostat. The thermostat is where you can change the temperature in your house.

The word thermostat comes from two ancient Greek words: *thermo* (meaning heat) and *statos* (meaning to stay the same). A thermostat is something that "keeps heat the same."



Thermostats come in different shapes and sizes. Do you see one on the wall of your home or classroom?

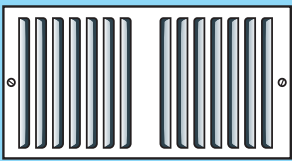


Newer thermostats can save energy (and money) by being programmed to only turn on heating or cooling systems when needed.

**Warning:** Your HVAC system uses a lot of energy. You probably have seen the thermostat that can change the temperature of your home or classroom. Only change the thermostat settings when you have permission from an adult.

## What is ventilation?

Ventilation is the movement of air in a house or building. An example of ventilation is a window open in a house. But sometimes the air outside is too cold or too hot to open the window. HVAC systems circulate fresh air in a building while keeping the temperature comfortable.



With a family member, count the vents in your home.

## Hot and Cold Words

Fill in the boxes using the hot and cold words below:

- |          |            |
|----------|------------|
| BLUE     | ICED       |
| BOILING  | ICY        |
| BRISK    | ROASTING   |
| CHILL    | SCORCHING  |
| COOL     | SIZZLING   |
| FREEZING | STEAMY     |
| FROSTY   | SUNNY      |
| FROZEN   | SWELTERING |
| GLACIAL  | TROPICAL   |
| HOT      | WARM       |
| HUMID    | WINTRY     |

**Mitten Search**  
 How many left-handed mittens can you find on this page? How many right-handed mittens can you find? Are there more left-handed or right-handed mittens on this page?

**Being an HVAC technician is a good job:**

- HVAC technicians help people stay warm or cool.
- The pay is very good.
- Everyone needs an HVAC technician at some time.
- There will be many job openings for HVAC technicians in the years ahead.

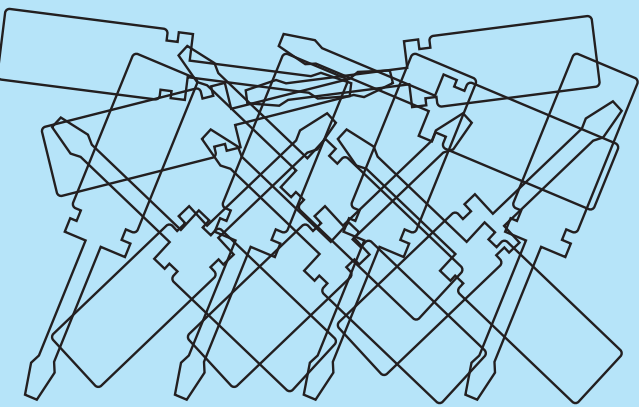
**Hot and Cold**  
 The words Hot and Cold are the opposite. Look through the newspaper for pairs of words and pictures that show things that are opposite.

**Standards Link:** Language Arts: Understand and identify antonyms.

## Kid Scoop® Puzzler

### TOOL BOX TRIVIA: SCREWDRIVER

A screwdriver is a tool used to turn (or "drive") screws into something. There are many different kinds of screwdrivers. Different screwdrivers have different shaped tips. How many screwdrivers do you see here?



## Double Double Word Search

- TECHNICIAN
- THERMOSTAT
- CIRCULATE
- HEATING
- CENTRAL
- ANCIENT
- ENERGY
- WINDOW
- SCREWS
- GREEK
- MATCH
- TOOL
- COLD
- TIPS
- AIR

Find the words in the puzzle. How many of them can you find on this page?



**Standards Link:** Letter sequencing. Recognize identical words. Skim and scan reading. Recall spelling patterns.

## FROM THE Kid Scoop® LESSON LIBRARY

### Is easier always better?

Look through the newspaper for examples of inventions that make the lives of people today easier than lives 100 or more years ago. Write a paragraph explaining whether you think this makes lives better or worse in today's world.

**Standards Link:** Write descriptively comparing past and present.

### Why is it always windy at sporting events?

ANSWER: Because there are so many fans.



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