

WHY IS MY SECOND FLOOR SO HOT IN THE SUMMER?

Is the second floor in your home really hot compared to the bottom floor in the summer? A building science concept called “the stack effect” is likely at work!

WHY DOES AIR MOVE THROUGH YOUR HOME?



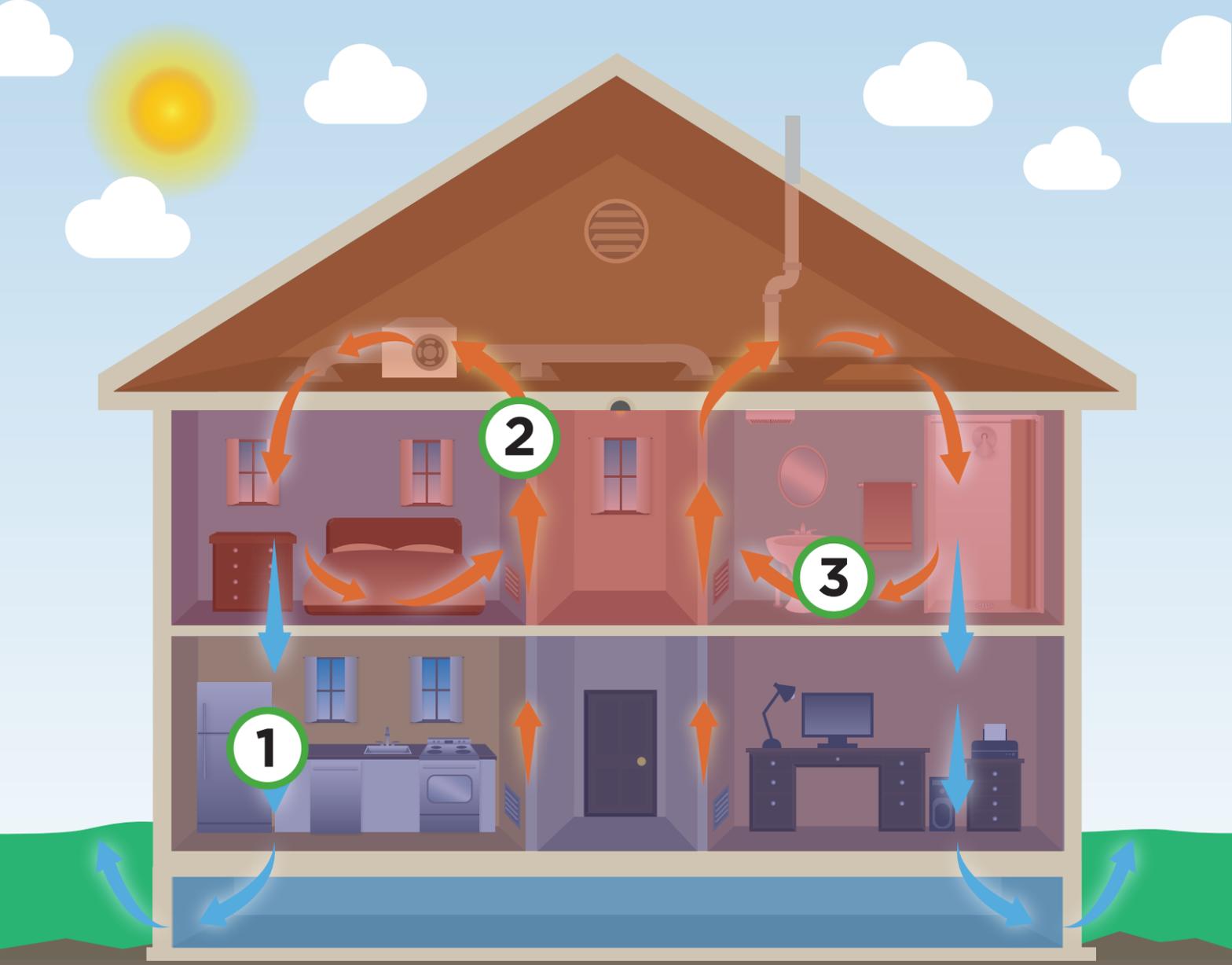
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HOW THE STACK EFFECT WORKS IN THE SUMMER

- 1 COOL AIR SINKS**
When the air is hot outside, cooler air inside your home sinks and exits through holes and cracks in your basement or crawl space.
- 2 WARM AIR IS DRAWN THROUGH THE HOME**
Because of the negative pressure, warm air is then drawn in through air leaks at the very top of your home.
- 3 WARM AIR STAYS**
That warm air is concentrated around your attic and second floor, creating an upstairs that's too hot compared to the rest of your house.



- 4 HOW THE STACK EFFECT WORKS IN THE WINTER**
When the weather outside is cold, the process is the same but reversed—warmer air generated by your heating system rises, escaping through your attic, pulling colder air in through the bottom areas of your house.

HOW TO COOL YOUR SECOND FLOOR IN THE SUMMER

To prevent your second floor from getting too hot, you need to reduce the stack effect in your home by adding insulation and air sealing to plug up the leaks letting air in and out of your house.

THE BENEFITS OF AIR SEALING AND INSULATING YOUR HOME

Home performance upgrades from WMGB Home Improvement will make your Western Michigan home's second floor cooler in the summer, but they'll also:



Lower your heating and cooling bills



Prevent outdoor air pollution from entering your home



Make your whole home quieter and more comfortable year-round



Solve your second-floor woes with air sealing and insulation upgrades. Contact us to schedule a home energy audit with WMGB Home Improvement.