THE SCIENCE SWEETIES

CLASSROOM SCIENCE SHEET

WHY DOES ICE CREAM MELT?

The science of heat

Heat & energy · Melting, metal & kitchen safety · Grades K-2

THE BIG IDEA

**Heat is energy, and it moves.
More heat, more hot.**



1 WHAT MAKES HEAT

The sun, a flame, a lamp,
a toaster oven, a cooktop.
Rub your hands. That's you!



2 HEAT MELTS SOLIDS

Add heat to a solid
and it turns into a liquid.
Chocolate, cheese, butter, ice cream.



3 METAL CARRIES HEAT

Heat climbs the tray,
the spoon, the pot.
It reaches what the flame never touched.

TWO THINGS TO REMEMBER

HOT METAL LOOKS LIKE COLD METAL.

Don't touch the pan or the handle.
Ask a grown-up, and use the mitts.

YOU CANNOT SEE HEAT.

A thermometer tells you
how hot something really is.

WORDS TO KNOW

HEAT ENERGY MELT SOLID LIQUID METAL

ASK YOUR CLASS

- **Name three things that make heat.** The sun, a flame, a lamp.
- **What happens to a solid when it gets hot enough?** It melts into a liquid.
- **Why do we use oven mitts?** Metal carries heat.

Watch the song: "Why Does Ice Cream Melt?"

The Science Sweeties · 2:07 · free on YouTube

Try it: rub your hands together fast. That warmth is heat you just made.

Free to print and share · thesciencesweeties.com