



# Hot and Cold All Around the World

# How Does Temperature Change?

**Beginner:** Talk about current temperatures in your climate and compare them to temperatures in another climate.

**[Tip]:** “Australia has hotter temperatures than here in Canada” which also means, “Canada has colder temperatures than Australia.”

**Intermediate:** Look up the hottest annual, coldest annual, and current temperatures of several places. Together, draw and write out your findings in a graph.

**[Tip]:** Try looking up the coldest and hottest days in your child's lifetime.

**Experienced:** Look up the temperatures on specific dates for places on Earth and on other planets. Show what you've learned using a graph and ask questions about what you would need to survive the extreme temperatures elsewhere.

**[Tip]:** You can colour code and use illustrations.

**Why is this important?** Children can develop a good sense of what numbers mean in the real world if they have the chance to compare them to each other.

**References:** Mulligan, J. (2015). Moving beyond basic numeracy: data modeling in the early years of schooling. *ZDM*, 47(4), 653–663. <https://doi.org/10.1007/s11858-015-0687-2>