

THERMAL ENERGY

NEXT GENERATION SCIENCE STANDARDS

Mar. 26, 2019

Day 1/129



At the end of today's lesson you will;

- *Why do things change temperature? What is happening when the air in the school gets warmer?*

Classwork-

- **Thermal Energy 1.4**
- *This lesson provides students with multiple opportunities to apply what they have learned about the relationship between temperature and molecular motion. First, students revisit a passage from the homework article "Absolute Zero," using the text to formalize a new definition of the term temperature that includes the concept of the average speed of molecules. After a brief introduction to averages and how to calculate them, students create models that show how the air inside the school is different at the molecular level when it is warmer rather than cooler. Finally, students discuss the two heating systems, considering what they know and what they still need to learn in order to make an informed decision.*

Homework-

- *Complete all of the activities from today's Thermal Energy 1.4 lesson.*
- *Begin to review the vocabulary terms found in the Thermal Energy unit on QUIZLET.*