# THERMAL ENERGY

NEXT GENERATION SCIENCE STANDARDS

## Apr. 1, 2019

## Day 1/133

## At the end of todays lesson you will;

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

## Classwork-

- ***Thermal Energy 2.5***
- *Students use the concepts they have learned about the transfer of kinetic energy to address why relatively cool water can still warm a school during the winter.*
- *First, students answer the Investigation Question with the help of the Word Relationships routine.*
- *Then, students revisit the letter to the principal that launched the chapter, addressing the claim made in this letter by constructing a model that shows how warm water causes the air molecules inside the school to speed up.*
- *Finally, students use what they have learned so far in this unit to discuss which heater system they think will warm the school more.*
- *By the end of this lesson, students should be able to explain temperature change at the molecular level as a function of kinetic energy transfer.*

## Homework-

- *Complete all of the activities from today's Thermal Energy 2.5 lesson.*
- *Continue to review the vocabulary terms found in the Thermal Energy unit on QUIZLET.* ***Vocabulary Quiz Tomorrow.***