**LESSON PLAN: title**

Lesson Subject: Science Topic: Heat and Temperature

Date: Time: Length: 50 minutes

Curriculum connection, from the program of studies:

Students will analyze issues related to the selection and use of thermal technologies, and explain decisions in terms of advantages and disadvantages for sustainability.

Main activity:

Students work in small groups to research information about different sources of heat and create a table listing advantages and disadvantages of each heat source.

Independent Student work: Take Action on Climate Change

Students create an informative poster in pairs about ways we can take action on climate change. Ideas can include walking to school, wearing sweaters and turning the heat down, reducing energy consumption, planting trees, starting a recycling initiative, etc.

Conclusion/Review:

Students take turn sharing their poster and ideas with the class. Students duplicate their posters and post them around the school/community.

Homework Reflection:

How will climate change affect me in now and in the future? What can I do to help adapt to climate change.

Resources:

<http://climatekids.nasa.gov/climate-change-meaning/>

Hook: Watch a short video explaining climate change

Link: https://youtu.be/Sv7OHfpIRfU

Intro Activity: KWL Chart

Teacher leads a discussion using a KWL chart about climate change, asking students what they know, and what they want to know about climate change.

Afterwards it would also be good to create a brain storm about what they already know about heat, temperature and climate change.

Supplies/Materials:

* Science Journal
* Chart paper and markers
* Bristol board
* Paper

Objective : Identify and evaluate different sources of heat and their environmental impact.