

## Lesson Plan Template

For lesson plan two you will be creating a lesson plan that you would like to use in your classroom. This lesson plan will be graded on the thoroughness, completeness, and accuracy of your lesson. Please follow the rubric below:

Criteria	Points Possible	Points Earned	Comments
Includes grade level, title of lesson, and unit title	10		
Entire performance standard written out	10		
Essential Question and Objective listed	10		
Key Words and Terms included	5		
Abstract included	10		
Materials included and accurate	10		
Safety Concerns included and accurate	10		
Procedures written in list format and detailed	20		
Notes, Tips, References included	5		
On time (not accepted after two days)	10		
Total	100		

### **Grade Level:**

Third Grade

### **Title of Lesson:**

Insulator and Conductors

### **Unit Title:**

Insulator Conductor

**Performance Standard(s) Covered:** What standards are you covering in your lesson? Include the standard title and text

Student will investigate what makes an item a good conductor, and what makes an item a good insulator.

Student will observe the change in ice amount visually over time, and record the change they observed.

**Essential Question:** What question are you answering with your lesson?

What are the characteristics of conductor and insulator?

**Objective:** What is the goal of your lesson? What will your students accomplish during the lesson?

The goal is for student to understand the differences between conductor and insulator, and also learn about their practical uses. My student will investigate the differences between insulator and conductor by conducting their own experiment.

**Key Words and Terms:**

Air

Heat

Insulator

Conductor

Thermometer

**Learning Activity**

**Abstract (limit 100 characters):** Brief overview of what the lesson is

Differences between conductor and insulator by observing temperature change in cups of different materials

**Materials Needed:** List all materials needed and number (one per student, one for class, etc.)

Experiment set (Styrofoam, Glass, Plastic, Ice, Stopwatch, Thermometer) 1x per group of 4 students.

**Safety Concerns:** Are you using anything sharp? Hot? Eating anything?

No thermometer used in this experiment only contains alcohol

**Procedure:** List step by step what you are doing in the activity. What did you need to do to prepare? What are the students doing during the activity?

- Student will be divided into group of 4
  - Each group will get a Styrofoam cup, a glass cup, and a plastic cup.
- Students will then examine the material of different cups and write down their prediction about its insulating/conducting ability
- Same amount of ice will be placed in three different cups by the instructor
  - A thermometer will be used to monitor the temperature change, temperature should be recorded every 5 minutes
- At the end of the experiment each group will discuss their observation with the instructor.
- A class discussion and instructor list the property of insulator and conductor on the board.

**Notes and Tips:** How would you do this differently? What worked really well?

Maybe I could also have student investigate whether a shape of the cup effect its insulating/ conducting ability.

**References:** If you got this lesson from another lesson online (which is ok!!) please link it here