

LESSON PLAN

SUBJECT	SCIENCE	CLASS – VIII	NO. OF PERIODS REQUIRED : 5
LESSON TO BE TAUGHT	Chapter : 14 — Chemical Effects of Electric Current		
MY FOCUS	1. Conduction through liquids 2. Good and poor conductors of electricity 3. Chemical effects of electric current 4. Electroplating and its use		
STUDENT ACTIVITY	1. Testing conduction of electricity in lemon juice or vinegar 2. To demonstrate chemical effect of electric current on water 3. Testing potatoes for conduction of electricity		
PRACTICE ASSESSMENT	Q1. Distilled water cannot conduct electricity. Why? Ans. It is because conduction of electricity requires free ions and distilled water does not break in ions, so can't conduct electricity.		
	Q2. Why do we keep food in tin cans and not in iron cans? Ans. We keep food in tin cans because it is less reactive than iron.		
	Q3. Why is LED better for use in a tester for testing conductivity of liquids? Ans. LED is better because it can detect weak current.		
ADDITIONAL INFORMATION	1. Chromium electroplated utensils may increase the risk of kidney or liver damage. 2. Some liquids such as oil or alcohol do not conduct electricity.		
CAN DO STATEMENTS	1. Students are able to formulate questions on electroplating. 2. Students are able to predict the good and poor conductors of electricity. 3. Students are able to describe the process and use of electroplating. 4. Students are able to identify the positive terminal of a cell or battery.		