Will Havill

CMU

Video 2
East Middle School “Flame Test”

Today’s lesson consisted of two major parts. The first part was having the students responding to a journal question in their journals. After observing myself I noticed my transitions were better than in my first video. I was able to greet the students, introduce them to the journal and get the attendance taken. After I took attendance I handed out the form they needed to make the observations on the “Flame Test.”

I transitioned after the journal into the observations. I was happy with how I told them how to view certain flames. The students were really into this because there were bright lights, big flames and pretty colors. The area I can still improve on is waiting 20 seconds after asking the students to do something as well as wait time with questions. Attached is my lesson plan and observation form for the flame test.

Flame Test Observations Name_____ HR_____

List color and other observations in the boxes below for each element:

Magnesium	
Sodium	
Potassium	
Strontium	
Barium	
Copper	
Lithium	

If certain elements produce different colors, how can Astronomers and other scientists use this information? (Write answer on the back.)

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Will Havill	7th	7th Grade Science (all classes)	12-4
TEACHER	GRADE	CLASS/SUBJECT/TIME	DATE

Objective: Introduction to Elements

Subject Standards (District/State) P.PM

DAILY LESSON PLAN

Time	(Content/What?) TASK ANALYSIS (The pieces of the puzzle)	(How?) TEACHING STRATEGIES	(Student Performance/Do?) CHECK FOR UNDERSTANDING (Include what you want the students to say)	(With?) RESOURCES/ MATERIALS (Include the actual pages needed)
2 mins	Launch	Daily Planner/Attendance (HALF DAY)(Video tape this lesson)	Students fill out planners	
1 min	Hand out flame test work sheets	Hand out work sheets to students	Students active listen	Flame test work sheets
12 min	Flame test	Demo flame test with Bunsen burners. Burn 6 different elements and magnesium strip(students look with peripheral vision at magnesium strip)	Students observe and write down observations	Sodium Potassium Lithium Copper Barium Strontium

				Bunsen burner Nichrome Loop(Burn impurities out of them use one per element) Magnesium strip
5min	Discussion	Discuss how scientists use this to determine chemical make up of stars	Students active listen	
8 min	Journal	Students journal on observations	Students will respond to journal question	Journal question