Lesson Plan Template

Grade: 6			Subject: Physical Science
Materials	• PowerPoint		Technology Needed: Projector and Computer
Instructio	nal Strategies		Cuided Practices and Concrete Application:
Direct	t instruction	Deer teaching/collaboration/	Guideu I l'actices and Concrete Application.
Cuida	d maatiaa	cooperative learning	Large group activity Hands-on
Guide	ed practice	Visuals/Crankia arganizara	Independent activity Technology integration
Socra	tic Seminar	Visuals/Graphic organizers	Pairing/collaboration Imitation/Repeat/Mimic
Learn	ing Centers	PBL	Simulations/Scenarios
Lectu	re	Discussion/Debate	Other (list)
Techn	nology	Modeling	Explain:
integr	ation		I
Other	(list)		Students will participate in
	` ,		a short class activity part
			way through note taking
			Then there will be a
			molecules practice
			worksheet for each student
			to work on individually
G4 1 1	()		
Standard	(\$)-		Differentiation
	Develop mod	dels to describe the	
MS-	ntomic comp	osition of simplo	Below Proficiency:
PS1-1		Justicial of simple	
1 1	molecules ar	nd extended structures.	By the end of the lesson students will be able to identify the
			differences between molecules, compounds, and elements
			additionally they will be able to identify subscripts and
Objective	(6)		coefficients in a chemical formula using their guided notes.
Objective	(3)		
Du the one	l of the losson stu	dente will be able to explain the	Above Proficiency:
By the end		dents will be able to explain the	
fammation	between a molect	ile, compound and element. By the	By the end of the lesson students will be able to explain and
formative	assessment next w	basis abanisal formula using	model the differences between molecules, compounds, and
that they k	now now to read a	a basic chemical formula using	elements and demonstrate their knowledge of subscripts and
subscripts	and coefficients.		coefficients in a chemical formula with the assigned practice
			sheet.
Bloom's 1	l'axonomy Cognit	tive Level:	
			Approaching/Emerging Proficiency:
Dependent	t on level of scaffe	olding	By the end of the lesson students will be able to explain the
Below: Re	emember		difference between a molecule compound and element
Approachi	ing: Understand/A	pply	using their guided notes as reference. Additionally they will
Above: An	nalyze/Evaluate		he able to demonstrate the significance of subscripts and
			approximate and significance of subscripts and
			coefficients in a chemical formula with reference to their
			notes.
Classic		· · · · · · · · · · · · · · · · · · ·	D.L
Classroon	n Management- (grouping(s),	Benavior Expectations- (systems, strategies, procedures
movemen	t/transitions, etc.)	specific to the lesson, rules and expectations, etc.)
C + 1 + +		·	
Students w	vill be seated in pa	ars according to their previously	Students will follow the previously set expectations by their
assigned s	eating chart.		regular teacher. This means that they stay in their seats during
			class, use the note taking materials they have, and use the bell
			that I will ring as a transition cue.
'			
Minutes		Procedur	es
	Set-up/Prep:		
5	Engage: (openin	ng activity/ anticipatory Set – access	prior learning / stimulate interest /generate questions, etc.)

Lesson	Plan	Temp	late
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	Review: What is an atom? What is an element? I will concepts of molecules and compounds by using the a the chemical formula is like the recipe, and the molec trying to make).	connect these old concepts of atoms and elements with the new nalogy of baking. The atoms and elements are like the ingredients, sules and compounds are like the cake (or whatever food you are	
	Essential question:		
20	Explain: (concepts, procedures, vocabulary, etc.) Molecules! (See Molecules Notes) Students will use to only need to write down what has been highlighted in they need to know some basic information on molecules)	their note taking paper to take notes throughout the lecture. They yellow on the slides. This will take up most of the lesson because les before they do a discovery lab the next day.	
10	Explore: (independent, concreate practice/applicat real-life experiences, reflective questions- probing Students will participate in short class activity (see SI have about ten minutes to independently demonstrate will be additional work time throughout the week as w	tion with relevant learning task -connections from content to or clarifying questions) ide 8 in Molecule Notes). At the end of the lesson, students will what they learned with a worksheet. (Molecules Practice). There well.	
2	Review (wrap up and transition to next activity): Students will get a two-minute warning to start packin class.	ng up and putting away their materials to get ready for their next	
Formative Assessment: (linked to objectives) Progress monitoring throughout lesson- clarifying questions, check- in strategies, etc. Students will complete the work sheet to demonstrate that they understand what molecules are and how to read the subscripts and coefficients.		Summative Assessment (linked back to objectives) Next week, the main teacher will give the students a short quiz (similar to the worksheet) for students to demonstrate their knowledge on this topic.	
		If applicable- overall unit, chapter, concept, etc.:	
Overall, the second	n (What went well? What did the students learn? He	ow do you know? What changes would you make?): In the whole lesson, I used a lot of questioning during the notes time with the new content. Most students were ensure the	

Overall, this lesson went well. The students were very engaged in the whole lesson, I used a lot of questioning during the notes time to keep student connecting concepts they had learned previously with the new content. Most students were eager to answer the questions I posed. I wish I had been clearer when I was explaining the number of times that each element could bond because it will be necessary for tomorrow's lesson. Thankfully there is a diagram in the PowerPoint Slides that I can go over again before they work on their labs.

Although I was not very thrilled to have a lesson that was mostly direct instruction, I know that it was important because there was a lot of new material to learn. In addition, the 6th graders are still learning how to take good notes, so this was good practice for that as well.

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Chemical Formulas and Structure Diagrams

Lesson Plan Template

Student Note Sheet:

	TOPIC/OBJECTIVE:	NAME:	
XAVID	CONTENT/CLASS:	CLASS/PERIOD:	
Proven Achievement. Lifelong Advantage.		DATE:	
ESSENTIAL QUESTION:			
QUESTIONS:	NOTES:		
NO			
2 14142			
SUMMARY:			

Molecules Practice:

Name	Date
Molecule Mo	dels: Formula to Model
Using the model key for each	element, draw the model of each molecule.
Hydrogen- H Carbon- C	Oxygen- O Nitrogen- N
1. NO	2. CO
	Octo
3. N 2	4. H ₂ O
5. CO ₂	6. NO 2
7. NH ₃	8. O ₂

Lesson Plan Template

Using the mode	lecule Model	s: Model to	D Formula
Molecule.	Carbon- C	Oxygen- O	Nitrogen- N
1. H ₂ O		2.	
3.		4.	
5.		6.	
7. (8.	