ARC Week at Glance

Topic: 1.6 (Photoelectron Spectrum) Course: AP Chemistry Grade(s): 10-12 Dates: 9/16/24-9/20/24

	Learning Target (I am learning about…)	Criteria for Success (I can…)	Activation/ Instruction	Collaboration/ Guided Practice	Independent Learning/ Assessment
			*(Include at least one/two formatives*in any part of the lesson as needed)*		
Monday	I am learning about the relationship between the photoelectron spectrum of an atom or ion and: i. The ground-state electron configuration of the species. ii. The interactions between the electrons and the nucleus.	I can represent the relationship between the photoelectron spectrum of an atom or ion and: i. The ground-state electron configuration of the species. ii. The interactions between the electrons and the nucleus.	Do Now: What is a molecule, and compound? Provide an example of both. Teacher goes over Learning Target and Succes Criteria and begins lesson for today (Photoelectron Spectrum)	Teacher guides students on important notes from AP video as students take Cornell Notes. Students complete their notes with the help of the teacher and classmates. Also, literacy task	Students will begin their summary about what they have learned from a video on photoelectron spectrum of an atom Also, literacy task

Tuesday	I am learning about the relationship between the photoelectron spectrum of an atom or ion and: i. The ground-state electron configuration of the species. ii. The interactions between the electrons and the nucleus.	I am learning about the relationship between the photoelectron spectrum of an atom or ion and: i. The ground-state electron configuration of the species. ii. The interactions between the electrons and the nucleus.	Do Now: Describe the photoelectron spectrum? Provide an Example Teacher goes over Learning Target and Succes Criteria and begins lesson for today (Photoelectron Spectrum)	Teacher completes the "I Do" Photoelectron Spectrum practice problem for students. Teacher and Students complete the "We Do" practice problem (1.6)	Students begin work on the "You Do" practice problems for 1.6.

Wednesday	I am learning about the relationship between the photoelectron spectrum of an atom or ion and: i. The ground-state electron configuration of the species. ii. The interactions between the electrons and the nucleus.	I am learning about the relationship between the photoelectron spectrum of an atom or ion and: i. The ground-state electron configuration of the species. ii. The interactions between the electrons and the nucleus.	Do Now: Sample Photoelectron Problem Teacher goes over Learning Target and Succes Criteria and begins lesson for today (Photoelectron Spectrum)	Students will complete Topic 1.6 Practice Problem problems within their group and one person is chosen to complete a problem by demonstration on the board.	Complete You Do Topic 1.6 Practice Problem.

Thursday	I am learning about the relationship between the photoelectron spectrum of an atom or ion and: i. The ground-state electron configuration of the species. ii. The interactions between the electrons and the nucleus.	I am learning about the relationship between the photoelectron spectrum of an atom or ion and: i. The ground-state electron configuration of the species. ii. The interactions between the electrons and the nucleus.	Do Now: Sample Photoelectron Problem Teacher goes over Learning Target and Succes Criteria and begins lesson for today (Photoelectron Spectrum)	Teacher will ask students probing questions to prepare students for their Multiple-Choice Questions for Topic 1.6	MCQ Practice Problems for Topic 1.6 Students may begin viewing Topic 1.6 if no mis conceptions for Topic 1.7

Friday	I am learning about the relationship between the photoelectron spectrum of an atom or ion and: i. The ground-state electron configuration of the species. ii. The interactions between the electrons and the nucleus.	I am learning about the relationship between the photoelectron spectrum of an atom or ion and: i. The ground-state electron configuration of the species. ii. The interactions between the electrons and the nucleus.	Science Fair Guide	Teacher will ask students probing questions to prepare students for their Free Response Questions for Topic 1.6	FRQ Problems for Topic 1.6

**Please highlight your literacy tasks, your major grades and your minor grades. I suggest color coding.