Student Teaching Rubric Part 2 (Science Education Rubric)

by IUP Admin2

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	Distinguished (4.000 pts)	**Proficient** (3.000 pts)	**Basic** (2.000 pts)	**Unsatisfactory** (1.000 pt)	**No Opportunity to Assess** (0.000 pt)
Standard 1: Content Knowledge Effective teachers of science understand and articulate the knowledge and practices of contemporary science. They interrelate and interpret important concepts, ideas, and applications in their fields of licensure.	6 events total, 2 events for each performance indicator.	5 events total, 2 events for two performance indicators, 1 event for the other performance indicator.	4 events total, 2 events for one performance indicator, 1 event each for the other two performance indicator.	3 events or less = Unacceptable.	
Standard 2: Content Pedagogy Effective teachers of science understand how students learn and develop scientific knowledge. Preservice teachers use	6 events total, 2 events for each performance indicator.	5 events total, 2 events for two performance indicators, 1 event for the other performance indicator.	4 events total, 2 events for one performance indicator, 1 event each for the other two performance indicator.	3 events or less = Unacceptable.	

scientific inquiry to develop this knowledge for all students.					
Standard 3: Learning Environments Effective teachers of science are able to plan for engaging all students in science learning by setting appropriate goals that are consistent with knowledge of how students learn science and are aligned with state and national standards. The plans reflect the nature and social context of science, inquiry, and appropriate safety considerations. Candidates design and select learning activities, instructional settings, and resources--including science-	8 events total, 2 events for each performance indicator	6 events total, 2 events for two performance indicators, 1 event for each other performance indicator	4 events total, 1 event each performance indicator	3 events or less	

specific technology, to achieve those goals; and they plan fair and equitable assessment strategies to evaluate if the learning goals are met.					
Standard 4: Safety Effective teachers of science can, in a P-12 classroom setting, demonstrate and maintain chemical safety, safety procedures, and the ethical treatment of living organisms needed in the P-12 science classroom appropriate to their area of licensure.	6 events total, 2 events for each performance indicator.	5 events total, 2 events for two performance indicators, 1 event for the other performance indicator.	4 events total, 2 events for one performance indicator, 1 event each for the other two performance indicator.	3 events or less	
Standard 5: Impact on Student Learning Effective teachers of science provide evidence to show that P-12 students' understanding of major	6 events total, 2 events for each performance indicator.	5 events total, 2 events for two performance indicators, 1 event for the other performance indicator.	4 events total, 2 events for one performance indicator, 1 event each for the other two performance indicator.	3 events or less	

	science concepts, principles, theories, and laws have changed as a result of instruction by the candidate and that student knowledge is at a level of understanding beyond memorization. Candidates provide evidence for the diversity of students they teach.					
	Standard 6: Professional Knowledge and Skills Effective teachers of science strive continuously to improve their knowledge and understanding of the ever changing knowledge base of both content, and science pedagogy, including approaches for addressing inequities and inclusion for all students in	4 events total, 2 events for each performance indicator	3 events total, 2 events for one performance indicators, 1 event for the other performance indicator	2 events total, 2 events for each performance indicator	1 events or less	

science. They identify with and conduct themselves as part of the science education community.					

Standards

No standards added.

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