

**Program Matrix - FEAPs
Chemistry 6-12 (DOE Code 289)
University of Florida**

Chemistry 6-12		Program Requirements						
Florida Educator Accomplished Practices (FEAPS)		ESE 6344 Classroom Practices in Secondary Education	ESE 6345 Effective teaching and Classroom Management in Secondary School	ESE 6945 Student Teaching in Secondary Schools	SCE 6338 Secondary Science Methods and Assessment	SCE 6647 Global Studies Methods in Science	RED 5337 Reading in the Secondary School	TSL 5325 Secondary ESOL Strategies
1. Instructional Design and Planning								
1a.	Aligns instruction with state-adopted standards at the appropriate level of rigor		X	X	X			
1b.	Sequences lessons and concepts to ensure coherence and required prior knowledge.		X	X				
1c.	Designs instruction for students to achieve mastery		X	X				
1d.	Selects appropriate formative assessments to monitor learning		X	X				
1e.	Uses diagnostic student data to plan lessons	X	X	X				
1f.	Develops learning experiences that require students to demonstrate a variety of applicable skills and competencies.		X	X	X			
2. The Learning Environment								
2a.	Organizes, allocates, and manages the resources of time, space, and attention	X		X				
2b.	Manages individual and class behaviors through a well-planned management system		X	X				
2c.	Conveys high expectations to all students	X	X	X				
2d.	Respects students' cultural, linguistic and family background		X	X				X
2e.	Models clear, acceptable oral and written communication skills			X	X			
2f.	Maintains a climate of openness, inquiry, fairness and support	X		X				
2g.	Integrates current information & communication technologies			X		X		
2h.	Adapts the learning environment to accommodate the differing needs and diversity of students	X	X	X				
2i.	Utilizes current & emerging assistive technologies that enable students to participate in high-quality communication interactions & achieve their educational goals			X		X		
3. Instructional Delivery and Facilitation								
3a.	Deliver engaging and challenging lessons		X	X				
3b.	Deepen & enrich students' understanding through content area literacy strategies, verbalization of thought, & application of the subject matter			X			X	
3c.	Identify gaps in students' subject matter knowledge			X	X			
3d.	Modify instruction to respond to preconceptions or misconceptions	X		X				
3e.	Relate & integrate the subject matter with other disciplines and life experiences			X	X			
3f.	Employ higher-order questioning techniques		X	X	X			
3g.	Apply varied instructional strategies and resources, including appropriate technology, to provide comprehensible instruction, and to teach for student understanding		X	X	X			
3h.	Differentiate instruction based on an assessment of student learning needs and recognition of individual differences in students		X	X				
3i.	Support, encourage, and provide immediate and specific feedback to students to promote student achievement		X	X				
3j.	Utilize student feedback to monitor instructional needs & to adjust instruction		X	X				
4. Assessment								
4a.	Analyzes and applies data from multiple assessments & measures to diagnose students' learning needs, informs instruction based on those needs, and drives the learning process	X		X				
4b.	Designs & aligns formative & summative assessments that match learning objectives and lead to mastery		X	X	X			
4c.	Uses a variety of assessment tools to monitor student progress, achievement and learning gains		X	X				
4d.	Modifies assessments and testing conditions to accommodate learning styles and varying levels of knowledge			X				X
4e.	Shares the importance and outcomes of student assessment data with the student and the student's parent / caregiver(s)	X		X				
4f.	Applies technology to organize and integrate assessment information	X		X				
5. Continuous Professional Development								
5a.	Designs purposeful professional goals to strengthen the effectiveness of instruction based on students' needs	X		X				
5b.	Examines and uses data-informed research to improve instruction and student achievement	X		X				
5c.	Uses a variety of data independently & in collaboration w/ colleagues, to evaluate learning outcomes adjust planning & continuously improve effectiveness of the lessons	X		X				
5d.	Collaborates with the home, school and larger communities to foster communication and to support student learning & continuous improvement	X		X				
5e.	Engages in targeted professional growth opportunities & reflective practices, both independently & in collaboration w/ colleagues	X		X				
5f.	Implements knowledge and skills learned in professional development in the teaching and learning process	X		X				

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		6. Professional Responsibility & Conduct						
6a.	Understanding that educators are held to a high moral standard in a community, the effective educator adheres to the Code of Ethics and the Principles of Professional Conduct of the Education Profession of Florida		X	X				