

**Program Matrix - FEAPs  
Biology 6-12 (DOE Code 288)  
University of Florida**

<b>Biology 6-12</b>		<b>Program Requirements</b>						
<b>Florida Educator Accomplished Practices (FEAPS)</b>		<b>ESE 6344 Classroom Practices in Secondary Education</b>	<b>ESE 6345 Effective teaching and Classroom Management in Secondary School</b>	<b>ESE 6945 Student Teaching in Secondary Schools</b>	<b>SCE 6338 Secondary Science Methods and Assessment</b>	<b>SCE 6647 Global Studies Methods in Science</b>	<b>RED 5337 Reading in the Secondary School</b>	<b>TSL 5325 Secondary ESOL Strategies</b>
<b>1. Instructional Design and Planning</b>								
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			
<b>2. The Learning Environment</b>								
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		
<b>3. Instructional Delivery and Facilitation</b>								
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				
<b>4. Assessment</b>								
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				
<b>5. Continuous Professional Development</b>								
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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<b>6. Professional Responsibility &amp; Conduct</b>								
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				