

	UNIT I: BIOTECHNOLOGY AND ITS APPLICATIONS	UNIT II: DRUG DISCOVERY AND MANUFACTURING	UNIT III: CAREER OPPORTUNITIES	UNIT IV: GETTING A JOB AND GETTING AHEAD	UNIT V: ADDITIONAL RESOURCES
Standard I: Teachers demonstrate leadership					
c. Teachers lead the teaching profession. Teachers strive to improve the teaching profession. They contribute to the establishment of positive working conditions in their school. They actively participate in and advocate for decision-making structures in education and government that take advantage of the expertise of teachers. Teachers promote professional growth for all educators and collaborate with their colleagues to improve the profession.				✓	✓
Standard II: Teachers establish a respectful environment for a diverse population of students					
b. Teachers embrace diversity in the school community and in the world. Teachers demonstrate their knowledge of the history of diverse cultures and their role in shaping global issues. They actively select materials and develop lessons that counteract stereotypes and incorporate histories and contributions of all cultures. Teachers recognize the influence of race, ethnicity, gender, religion, and other aspects of culture on a student's development and personality. Teachers strive to understand how a student's culture and background may influence his or her school performance. Teachers consider and incorporate different points of view in their instruction.	✓	✓	✓	✓	
Standard III: Teachers know the content they teach					
a. Teachers align their instruction with the <i>North Carolina Standard Course of Study</i>. In order to enhance the <i>North Carolina Standard Course of Study</i> , teachers investigate the content standards developed by professional organizations in their specialty area. They develop and apply strategies to make the curriculum rigorous and relevant for all students and provide a balanced curriculum that enhances literacy skills. Elementary teachers have explicit and thorough preparation in literacy instruction. Middle and high school teachers incorporate literacy instruction within the content area or discipline.	✓	✓	✓	✓	✓
b. Teachers know the content appropriate to their teaching specialty. Teachers bring a richness and depth of understanding to their classrooms by knowing their subjects beyond the content they are expected to teach and by directing students' natural curiosity into an interest in learning. Elementary teachers have broad knowledge across disciplines. Middle school and high school teachers have depth in one or more specific content areas or disciplines.	✓	✓	✓	✓	✓
c. Teachers recognize the interconnectedness of content areas/disciplines. Teachers know the links and vertical alignment of the grade or subject they teach and the <i>North Carolina Standard Course of Study</i> . Teachers understand how the content they teach relates to other disciplines in order to deepen understanding and connect learning for students. Teachers promote global awareness and its relevance to subjects they teach.	✓	✓	✓	✓	✓

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CONTINUED Standard III: Teachers know the content they teach					
d. Teachers make instruction relevant to students. Teachers incorporate 21st century life skills into their teaching deliberately, strategically, and broadly. These skills include leadership, ethics, accountability, adaptability, personal productivity, personal responsibility, people skills, self direction, and social responsibility. Teachers help their students understand the relationship between the <i>North Carolina Standard Course of Study</i> and 21st century content, which includes global awareness; financial, economic, business and entrepreneurial literacy; civic literacy; and health awareness.	✓	✓	✓	✓	✓
Standard IV: Teachers facilitate learning for their students					
c. Teachers use a variety of instructional methods. Teachers choose the methods and techniques that are most effective in meeting the needs of their students as they strive to eliminate achievement gaps. Teachers employ a wide range of techniques including information and communication technology, learning styles, and differentiated instruction.	✓			✓	
d. Teachers integrate and utilize technology in their instruction. Teachers know when and how to use technology to maximize student learning. Teachers help students use technology to learn content, think critically, solve problems, discern reliability, use information, communicate, innovate, and collaborate.	✓	✓	✓	✓	✓
e. Teachers help students develop critical-thinking and problem-solving skills. Teachers encourage students to ask questions, think creatively, develop and test innovative ideas, synthesize knowledge, and draw conclusions. They help students exercise and communicate sound reasoning; understand connections; make complex choices; and frame, analyze, and solve problems.	✓	✓	✓	✓	
f. Teachers help students work in teams and develop leadership qualities. Teachers teach the importance of cooperation and collaboration. They organize learning teams in order to help students define roles, strengthen social ties, improve communication and collaborative skills, interact with people from different cultures and backgrounds, and develop leadership qualities.	✓	✓	✓	✓	
Standard V: Teachers know the content they teach					
b. Teachers link professional growth to their professional goals. Teachers participate in continued, high-quality professional development that reflects a global view of educational practices; includes 21st century skills and knowledge; aligns with the State Board of Education priorities; and meets the needs of students and their own professional growth.	✓	✓	✓	✓	✓

Standards taken from *NC Teacher Evaluation Process 2009 (revised 2012)*