Topic: Matter and energy transformations	Project 2061 Instructional Analysis of Biology Textbooks									
Instructional Categories	Biology Miller · Levine Prentice Hall	Biology: A Community Context South-Western Educational Publishing	Biology: Principles & Explorations Hott, Rinehart and Winston	Biology: The Dynamics of Life Glencoe, McGraw-Hill	Biology: Visualizing Life Holt, Rinehart and Winston	BSCS Biology: A Human Approach ^{Kendall Hunt}	BSCS Biology: An Ecological Approach ^{Kendall Hunt}	Heath Biology D.C. Heath and Company	Insights in Biology ^{Kendall Hunt}	Modern Biology Holt, Rinehart and Winston
I. PROVIDING A SENSE OF PURPOSE										
Conveying unit purpose										
Conveying lesson purpose										
Justifying lesson sequence										
II. TAKING ACCOUNT OF STUDENT IDEAS										
Attending to prerequisite knowledge and skills										
Alerting teacher to commonly held student ideas										
Assisting teacher in identifying own students' ideas										
Addressing commonly held ideas										
III. ENGAGING STUDENTS WITH RELEVANT PHENOMENA										
Providing variety of phenomena										
Providing vivid experiences										
IV. DEVELOPING AND USING SCIENTIFIC IDEAS										
Introducing terms meaningfully										
Representing ideas effectively										
Demonstrating use of knowledge										
Providing practice										
V. PROMOTING STUDENT THINKING ABOUT PHENOMENA, EXPERIENCES, AND KNOWLEDGE										
Encouraging students to explain their ideas										
Guiding student interpretation and reasoning										
Encouraging students to reflect on their own learning										
VI. ASSESSING PROGRESS										
Aligning assessment to goals								N/A		
Testing for understanding								N/A		
Using assessment to inform instruction								N/A		

■ = Excellent (3); = Good (2.5-2.9); = Satisfactory (2-2.4); = Fair (1.5-1.9); = Poor (0-1.4)