heredity	
Instructional Categories	

PROVIDING A SENSE OF PURPOSE

II. TAKING ACCOUNT OF STUDENT IDEAS

Attending to prerequisite knowledge and skills

III. ENGAGING STUDENTS WITH RELEVANT

Alerting teacher to commonly held student ideas

Assisting teacher in identifying own students' ideas

IV. DEVELOPING AND USING SCIENTIFIC IDEAS

V. PROMOTING STUDENT THINKING ABOUT PHENOMENA, EXPERIENCES, AND

Encouraging students to explain their ideas

Guiding student interpretation and reasoning

Encouraging students to reflect on their own learning

Conveying unit purpose

Conveying lesson purpose

Justifying lesson sequence

Addressing commonly held ideas

Providing variety of phenomena

Providing vivid experiences

Introducing terms meaningfully

Representing ideas effectively Demonstrating use of knowledge

**PHENOMENA** 

Providing practice

**KNOWLEDGE** 

VI. ASSESSING PROGRESS

Aligning assessment to goals

Using assessment to inform instruction

Testing for understanding

Community Context

Biology: ,

South-Western

Miller · Levine Prentice Hall

Biology

Educational Publishing

Biology: Principles

Holt, Rinehart and

Winston

& Explorations

**Topic: Molecular basis of** 

**Project 2061 Instructional Analysis of Biology Textbooks** 

Human Approach

Kendall Hunt

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

BSCS Biology:

An Ecological

Kendall Hunt

Approach

BSCS Biology:

Insights in Biology Kendall Hunt

Heath Biology
D.C. Heath and
Company

N/A

N/A

N/A

**Modern Biology** Holt, Rinehart and Winston

Biology: Visualizing

Life

Holt, Rinehart and

Winston

No Research Base

No Research Base

Dynamics of Life Glencoe, McGraw-Hill

Biology: The