



AAAS Project 2061 Algebra Textbooks Evaluation

Summary of Instructional Analysis Ratings for <i>Algebra 1: Integration, Applications, Connections</i> Glencoe/McGraw-Hill, 1998	Idea Set		
	Functions	Variables	Operations
Instructional Categories			
I. IDENTIFYING A SENSE OF PURPOSE			
Conveying Unit Purpose	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Conveying Lesson Purpose	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Justifying Sequence of Activities	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
II. BUILDING ON STUDENT IDEAS ABOUT MATHEMATICS			
Specifying Prerequisite Knowledge	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Alerting Teacher to Student Ideas	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Assisting Teacher in Identifying Ideas	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Addressing Misconceptions	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
III. ENGAGING STUDENTS IN MATHEMATICS			
Providing Variety of Contexts	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Providing Firsthand Experiences	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
IV. DEVELOPING MATHEMATICAL IDEAS			
Justifying Importance of Standards Ideas	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Introducing Terms and Procedures	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Representing Ideas Accurately	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Connecting Standards Ideas	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Demonstrating/Modeling Procedures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Providing Practice	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
V. PROMOTING STUDENT THINKING ABOUT MATHEMATICS			
Encouraging Students to Explain Their Reasoning	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Guiding Interpretation and Reasoning	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Encouraging Students to Think about What They've Learned	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
VI. ASSESSING STUDENT PROGRESS IN MATHEMATICS			
Aligning Assessment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Assessing through Applications	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Using Embedded Assessment	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>



Poor: 0-1.4



Fair: 1.5-1.9



Satisfactory: 2-2.4



Good: 2.5-2.9



Excellent: 3