

Appendix

Two Models to Guide Differentiated Instruction

Figure A.1 is a model for thinking about how to differentiate instruction in academically diverse classrooms. It emphasizes differentiation by student readiness. The model is discussed more fully in the sources cited at the end of Chapter 2.

In brief, the model suggests that all content for all learners should demonstrate the characteristics in the box on the top left. Processes, or activities, for all students should demonstrate the characteristics in the top center box. Product assignments for all students should demonstrate the characteristics in the box on the top right. All students should experience learning environments with the characteristics listed around the perimeter of the box.

The lower row of boxes contains sample instructional strategies to help teachers achieve differentiated content, process, and product. These strategies, too, are useful with all students. While these lists are not exhaustive, they reflect a current understanding of best educational practice.

The “buttons” beneath the two rows of boxes are drawn to look like a stereo or CD player’s buttons, which listeners slide to adjust tone, volume, and balance. Such mechanisms are called

“equalizers.” To differentiate for learner readiness, a teacher should begin with solid, focused, significant instruction. Then the teacher should move the equalizer buttons toward the left or right, based on a learner’s starting point. For example, a learner who knows a great deal about outer space and who reads quite well might need to use complex research materials to prepare for tomorrow’s presentation. A classmate who doesn’t read well and whose background knowledge is less extensive may need to use simpler research materials to prepare for the presentation.

As with a stereo, it is not necessary to move all the buttons at the same time. Also, students may need several equalizer buttons pushed toward the left when they begin work on a topic or skill, but as a unit progresses, their activities and products should reflect movement of the buttons toward the right.

Figure A.2, “Thinking About the Equalizer,” provides some descriptors to help teachers and curriculum developers consider ways to modify curriculum and instruction along various continuums. For example, if a learner is struggling with a particular idea or skill, a teacher may want to design a task that is foundational, or basic, for that child.

Figure A.1
A Planning Model for Academic Diversity and Talent Development

Flexible Grouping

Content	Process	Product
Concept and generalization-based High relevance Coherent Transferable Powerful Authentic	Concept and generalization driven Focused High level Purposeful Balancing critical and creative thought Promoting cognition and metacognition	Concept or issue centered Skills of planning taught Skills of production taught Requires application of all key skills and understandings Uses skills of the discipline Real problems and audiences Multiple modes of expression
<u>Differentiation through</u> Multiple texts and supplementary print resources Varied computer programs Varied audio-visuials Varied support mechanisms Varied time allotments Interest centers Contracts Compacting Triarchic-based orientation Complex instruction Group investigation	<u>Differentiation through</u> Tiered assignments Learning centers Triarchic model assignments Multiple intelligences assignments Graphic organizers Simulation Learning logs Concept attainment Concept development Synectics Complex instruction Group investigation	<u>Differentiation through</u> Tiered product assignments Independent study Community-based products Negotiated criteria Graduated rubrics Triarchic-based orientations Multiple intelligences-based orientations Complex instruction Group investigation

Active Differentiation

Escalating Expectation

1. Foundational



Transformational

Information, Ideas, Materials, Applications

2. Concrete



Abstract

Representations, Ideas, Applications, Materials

Figure A.2
Thinking About the Equalizer

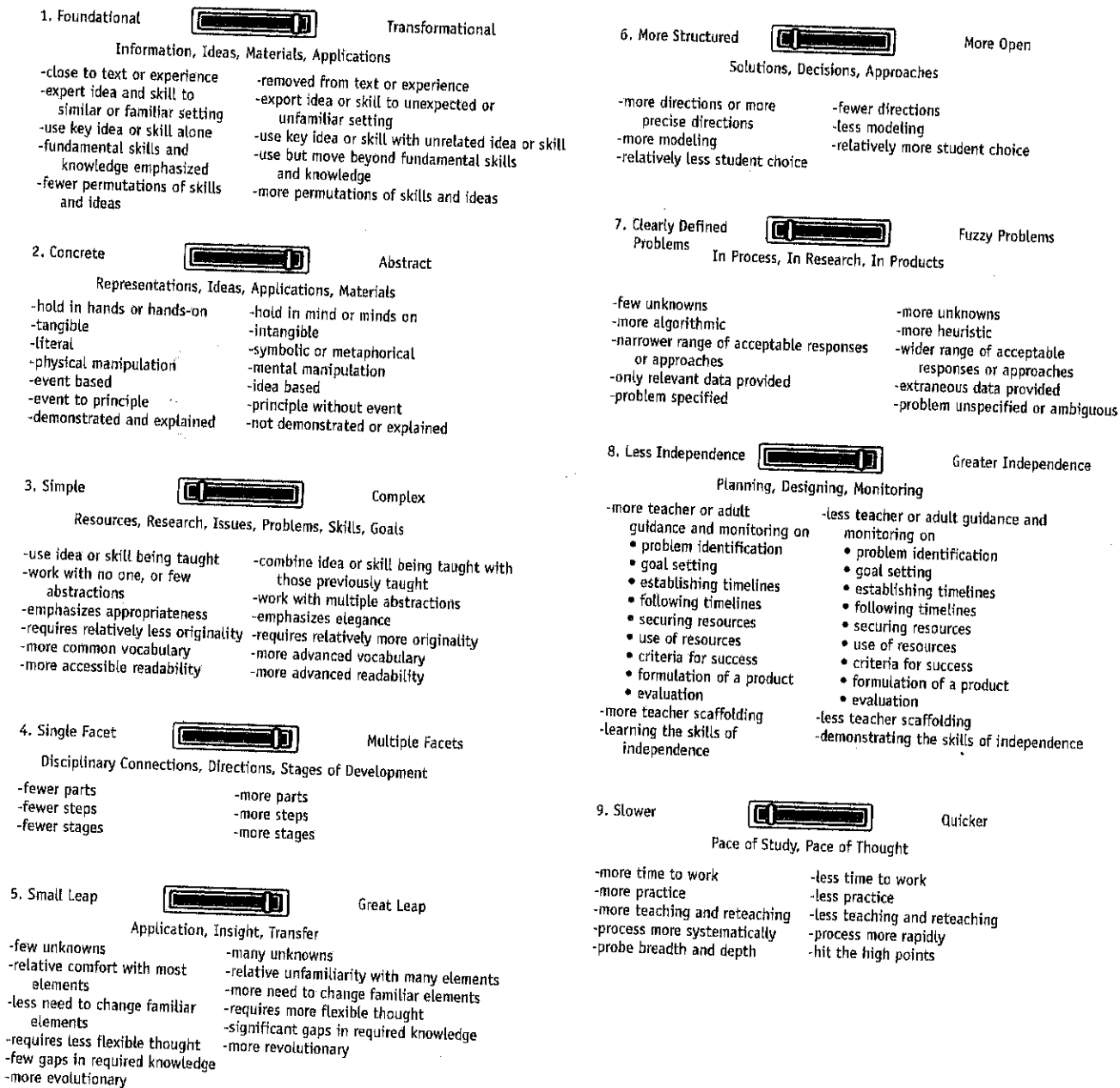


Figure A.1—continued
A Planning Model for Academic Diversity and Talent Development

Continual Assessment and Adaptation
The Equalizer

