

Overview of Evaluating Student Computer-based Products



These scoring guides were created to extend evaluation of the impact of technology on student performance. They can be used by teachers and students to assess the quality of the student's content understanding and technical skills of communication. Running records that chart student progress over time can provide system evaluation as well as student grades. Student products can also be used as "artifacts" to evaluate technology impact on the system learning goals! Processes to accompany these guides were also developed.

Three categories of scoring guides for fourteen types of communication are developmentally aligned with grades 4-6, 6-8 and 9-12. K-3 was determined to have inadequate information to construct scoring guides at this time. Each type of communication scoring guide has analytical (detailed) and holistic (general) statements. The nine traits of the scoring guides are divided into two parts: Part I: Content Communication and Part II: Craftsmanship of Communication. The number of traits used by students will depend upon the type of technology tools used for their product. These scoring guides, based upon national benchmarks of writing and design principals, were field-tested with classroom teachers across the nation.

Types of Scoring Guides

<u>Narrative</u>	<u>Information/Expository</u>	<u>Persuasive</u>	<u>Environment(s)</u>
1. Personal expression 2. Myths/folk tales 3. Short story	4. Summary reports 5. Book reports 6. How-to directions 7. Biographies	8. Advertisements 9. Describe/conclude 10. Analyze/conclude 11. Analyze/persuade 12. Compare/contrast 13. Cause/effect	14. Participatory Environment

Nine Traits of Student Product Scoring Guides

<u>Part I: Content Communication</u>	<u>Part II: Craftsmanship of Communication</u>
<ul style="list-style-type: none">- Preparation Process- Content Knowledge- Format/Organization	<ul style="list-style-type: none">- Text Communication- Image Communication- Voice/Sound Communication- Design of Communication- Presentation Communication- Interactivity of Communication

Use An Electronic On-line Data Base

All Scoring Guides are posted electronically allowing teachers and students to select the category, type of communication, and traits by grade level. Users are able to select both analytical (detailed) as well as holistic (general) statements thereby customizing their scoring guides as needed from a common data base of assessment statements. See www.bjpconsulting.com or www.ncrtec.org.