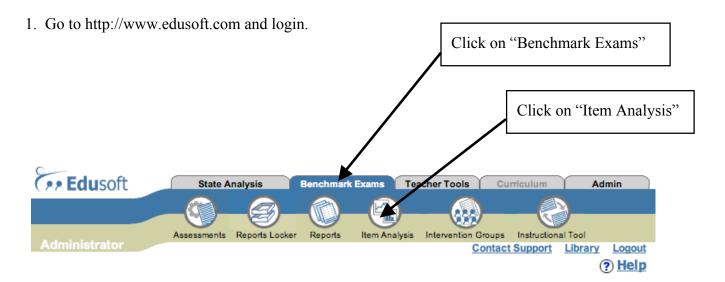
West Contra Costa Unified School District Mathematics Center

Item Analysis User Guide for Benchmark Assessments



Learn more about new Edusoft features

West Contra Costa Unified School District - CA



Assessments

- · Align questions on existing benchmark assessment to standards.
- · Print answer sheets for tests in the system.



Reports Locker

- . Organize reports that were run on benchmark assessments.
- · View and download reports.



Reports

- . Generate and print PDF score reports at the class, school or district level.
- See student performance on standards, customizable question groups, and individual questions.



Item Analysis

- Analyze benchmark assessment items for difficulty, discrimination, and KR-20 values.
- See list of students based on item responses.



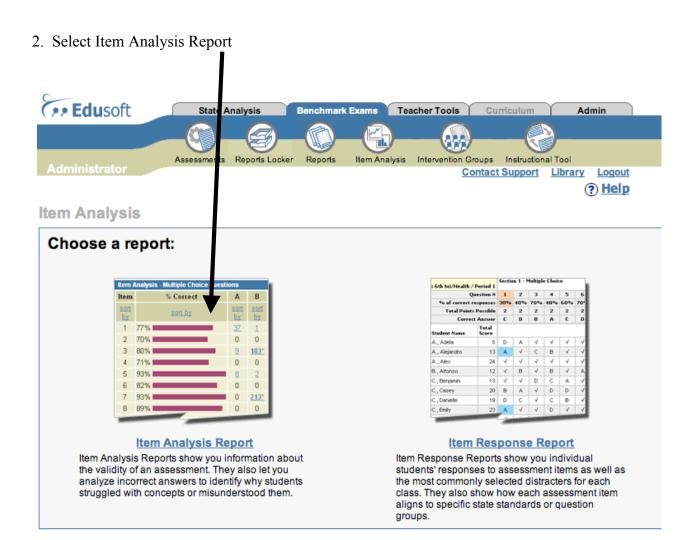
Intervention Groups

- List students for targeted interventions based upon customizable performance criteria.
- · Compare performance on two tests.



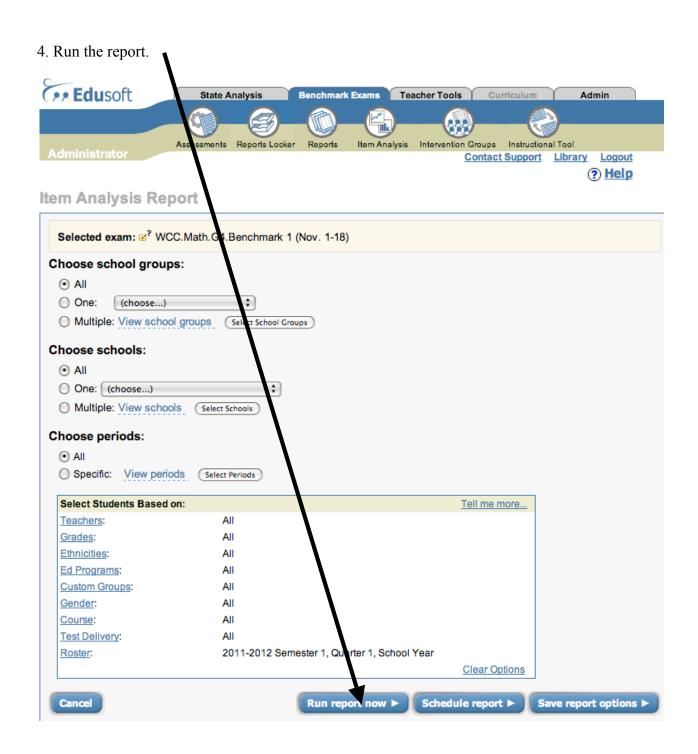
Instructional Tool

- Generate standards-based instructional materials for students based on their performance on tests.
- Instructional materials can include missed exam questions, resource materials, and additional standards-aligned questions.



3. Choose the grade level and benchmark you want to see. Click Continue. **Edu**soft State Analysis Teacher Tools Admin Intervention Groups Instructi **Contact Support** Library Logout ? Help **Item Analysis Report** Select the assersment you want to report on: Assessment Folders: Assessments in Selected Folder: Available to Print and Report Show: Curren WCC.Math.G4.Benchmark 1 - Nov. 1-18 District Assessments 🟢 WCC.RLA.G4.Benchmark 1 - Nov. 1-18 **ⓐ** 00 G ade K 2011-12 WCC.Science.G4.Benchmark 1 - Nov. 10-1 @ 01 Crade 1 2011-12 WCC.Writing.G4.Benchmark1 - Nov. 1-18 @ 02 Grade 2 2011-12 Grade 3 2011-12 in 04 Grade 4 2011-12 Available to Print and Report (4) € 05 Grade 5 2011-12 主 06 Grade 6 2011-12 @ 07 Grade 7 2011-12

Continue ▶



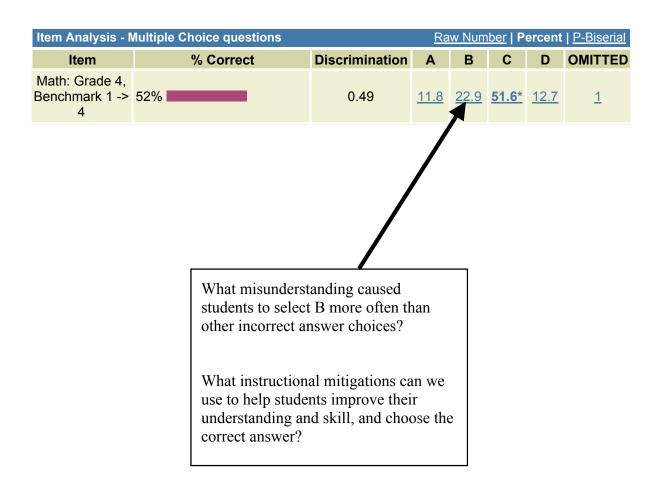
5. View the Item Analysis report. Change the display to percent. ** Edusoft State Analysis **Benchmark Exams Teacher Tools** Curriculum Reports Assessments Intervention Groups Reports Locker Item Ana Administrator Contact Support **Currently Selected Options** 2011-2012 Se Exam: WCC.Math.G4.Benchmark 1 mester 1, Quarter 1, Roster: (Nov. 1-18) School Year School ΑII Schools: Group: Grades: ΑII Teachers: Ethnicities: ΑII Ed ΑII Programs: ΑII ΑII Custom Genders: Groups: ΑII Test ΑII Courses: Delivery: Clear Options Periods: ΑII The Kuder-Richardson 20 reliability value for this exam with these student selection What do these terms mean? Analyzing 306 students Group by: Section 💠 🔞 Item Analysis - Multiple Choice questions Raw Number | Percent | P-Biserial Item % Correct Discrimination A C D **OMITTED** В sort sort sort sort sort by sort by sort by sort by by by by <u>by</u> Math: Grade 4, Benchmark 1 -> 86% I 0.24 86.3* 4.9 6.5 2.3 0 Math: Grade 4, Benchmark 1 -> 91% I 0.22 90.5* 1.6 6.5 0.3 1 Math: Grade 4, 0.37 Benchmark 1 -> 67% 13.7 10.8 66.7* 7.8 Math: Grade 4, Benchmark 1 -> 52% 0.49 11.8 22.9 **51.6*** 12.7 1

^{*}The asterisk and bold font shows the percent for the correct answer.

6. Look for questions with distributions of percents that indicate a pattern of students selecting "incorrect" answers.

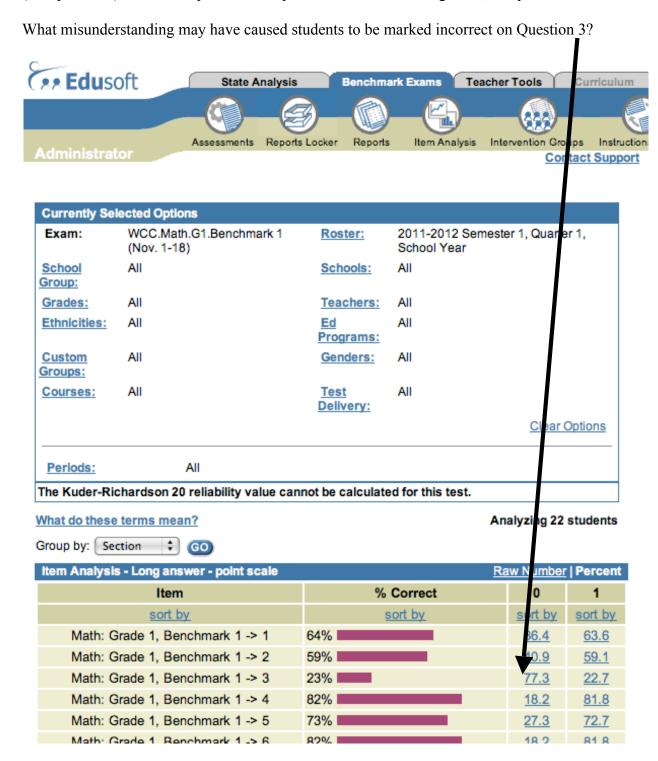
For example:

- If some incorrect answer choices are selected more often than others, follow up by looking at the test question and discussing what misunderstanding might have caused students to select these incorrect answer choices.
- What instructional mitigations (i.e., best instructional practices) can teachers use to improve students' understanding and achievement on this type of question?



Grades K and 1

For Grades K and 1, the reports look different because the assessments are marked as "correct" or "incorrect" (i.e., they are not multiple choice). For these assessments, look for questions that show a larger number of students being marked "incorrect". Discuss instructional mitigations (best practices) that can help students improve their understanding, skill, and performance.



Additional background

These assessments:

- Have been developed by teacher teams within the district as part of long-term professional development.
- Are intended to help grade level teacher teams look at trends in results on specific items, in order to identify areas where students may need "instructional mitigations" or intensified use of best mathematical instructional practices that can transform teachers' instruction and improve student understanding and achievement.
- Are not intended to be comprehensive.
- Are not intended to be used for grading students.
- Are not intended to be used for any evaluative purpose, but instead are to be used formatively to help teachers transform their instruction.