## SAMPLE DATA REPORTS: HIGH SCHOOL

> Cambridge's suite of reports provides profound insight into student performance, both on the individual and group levels. Whatever the high-stakes test (ACT® ${ }^{\circledR}$ SAT®, TSI, GED ${ }^{\circledR}$, WorkKeys ${ }^{\circledR}$, etc.), these reports allow you to easily and effectively target the specific skills necessary to improve areas of weakness.
> Your data will show you what your students know and do not know (as reflected on nationally normed tests), what skill gaps exist and need to be plugged, and how your students think when challenged by a high-stakes exam.
> Cambridge also provides lesson plans linked to our Victory textbooks. These hour-by-hour and item-byitem instruction guides for each subject allow teachers to easily differentiate their teaching to accomodate low-, medium-, and highachieving students.
> This packet includes a sample of Cambridge reports that schools across the country use to build skills and increase scores. For information on additional Cambridge reports, please contact us at (847) 299-2930

## TABLE OF CONTENTS

STUDENT SUMMARY
STUDENT ITEM ANALYSIS .....
INSTRUCTOR SUMMARY .....  4
ERROR ANALYSIS .....  5
CONTENT DISTRIBUTION ..... 6
LESSON PLAN FOR INSTRUCTION .....  7
FORMATIVE CONNECTION REPORT ..... 8
SCALED SCORE DISTRIBUTION REPORT .....  9
CAMBRIDGE XPRESS ..... 10
CAREER INTEREST INVENTORY ..... 11
YOU HAVE YOUR DATA - NOW WHAT? ..... 12

[^0]The STEM score is an average of the math and science test scores. The English Language Arts (ELA) score is the average of the English score, the Reading score, and the adjusted Writing test score.

This student is weaker in Knowledge of Language compared to Conventions of Standard English and Production of Writing.

For each of the four subject areas, $A C T^{\circledR}$ has determined benchmark scores that predict college and career readiness.

## STUDENT SUMMARY

The Student Summary report breaks down the composite test score into the subject scores and corresponding percentiles. The student is able to see how he or she performed in comparison to college- and careerreadiness benchmarks and observe strengths and weaknesses within specific categories for each subject test.

2 -www.CambridgeEd.com


Student Summary


## MATHEMATICS

Integrating Essential Skills (IE)
Preparing for Higher Math Number and Quantity (NQ) Algebra (AL)
Functions (FN)
Geometry (GE)
Statistics and Probability (S
Modeling

TOTAL Mathematics


## READING

Key Ideas and Details (KD)
Craft and Structure (CS)

| Integration of Knowledge and Ideas (IK) | $\mathbf{1}$ | $\mathbf{2}$ | 0 |
| :--- | :---: | :---: | :---: |
| TOTAL Reading | 20 | 17 | 3 |


(Minimum Benchmark)

(Minimum Benchmark)
English: The English test measures your ability to find and correct errors in a piece of writing. Items are divided into three categories: Conventions of Standard English (Punctuation, Grammar and Usage, and Sentence Structure), Production of Writing (Strategy and Organization), and Knowledge of Language (Style).

Students should observe whether incorrect answers fall into repeating subcategories. The abbreviations are defined on the front side of the Student Summary report.

Students can easily see which items they answered correctly (+) and which wrong answer they selected on incorrect items.

Cambridge TestPrep PLUS ${ }^{\text {TM }}$ (847) 299-2930
data@cambridgeed.com
www.cambridgeed.com

Site: SAMPLE SCHOOL
Student: SAMPLE STUDENT
Test Date: 02/07/19
ACT $^{\circledR}$ Test: 16MC1

## Student Item Analysis

## ENGLISH

## STUDENT ITEM ANALYSIS

The Student Item Analysis provides a comprehensive breakdown of each item: its category (corresponding to the categories listed on the Student Summary), the correct answer, how the student answered each item, and any items that were left blank. Students can use this Item Analysis and their test booklet to revisit problems they answered incorrectly or guessed on.


## INSTRUCTOR SUMMARY

The Instructor Summary gives an overview of student subject scores and total scores as well as a summary of the group's performance, allowing you to see how your students performed in comparison with each other. Minimum and maximum scores show range and also bring your attention to the highest and lowest performers. Cambridge can also create an Instructor Summary for each of your teachers if you provide your students' information in advance and utilize Cambridge's preslugging service (we send you Scantrons with your students' information already completed).


In some sections, such as Math, each item is further broken down into specific subcategories
(such as Common Word Problems - Level 3 and Proportions - Level 4) to allow for more targeted instruction and practice.

As the distribution of errors becomes more widespread, there is a greater likelihood that students did not make a common mistake or share a similar misunderstanding. More likely, they did not know the content and resorted to guessing.

ERROR ANALYSIS
The Error Analysis shows how many students selected each answer choice for each test item. Teachers can see which answer choices posed the greatest challenge in terms of common distractors for the students. In addition, Cambridge further breaks down each item into specific subcategories. This refinement allows teachers to be more effective in addressing skill gaps.


Institutions may use these reports within each individual department to consider whether curriculum and instructional practices could be more reflective of tested skills.

## CONTENT DISTRIBUTION

Similar to the Error Analysis report but going one step further, the Content Distribution report groups items that test the same skills and allows teachers to more efficiently evaluate students' performance within those specific skills.

|  | Cambridge TestPrep FLUS ${ }^{\text {e }}$ (847) $299-2930$ <br> Data@CambridgeEd.com wwo.CambridgeEd.cam | Lesson plans are customized based on course length and students'scores for each tested subject. This 60-hour lesson plan (of which 20 hours is dedicated to Math) has been created for students who scored between a 33-40, inclusive, on this test. |  |  |  |  | SAMPLE SCHOOL <br> SAT ${ }^{\text {T }} \mathrm{CB} 04$ (02/07/2019) <br> Tatal N: 127 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \text { Lesson Plan Instructor Summary } \\ & \text { Victory for the SAT@ Test, 13th Edition } \\ & \text { Total of } 60 \text { Course Hours } \\ & \text { Subject: Math }(10-40)(20 \text { of } 60 \text { hours }) \text { Score Range: } 33-40 \end{aligned}$ |  |  |  |  |  |  |  |  |
| Course Hour | Course Concept Outine |  |  | Recommended Lesson Plan Items | All Course Concept Items | Student Text Page | Teacher's Guide Page | Essential Skills Student Text Page(s) |
| 1 | Math Multiple-Choice |  |  |  |  |  |  |  |
|  | I. Test Mechanics |  |  |  |  | 241 | 451 |  |
|  | A. Dverview |  |  |  |  | 241 | 461 |  |
|  | B. Anatomy |  |  | 1-4 | 1-4 | 242 | 464 |  |
|  | C. Pacing |  |  |  |  | 245 | 467 |  |
|  | D. Time Trial |  |  | 1-4 | 1-4 | 246 | 468 |  |
|  | E. Game Plan |  |  |  |  | 248 | 471 |  |
|  | F. Calculator Exercise | The lesson plan and Course Concept |  | 1-5 | 1-5 | 251 | 475 |  |
|  | G. Calculator Race | The lesson plan and Course Concept |  | 1-10 | 1-10 |  | 478 |  |
| $2$ | II. Lesson \| Preliminaries | Outline aligns exactly to the Victory |  |  |  |  | 483 |  |
|  | A. Lesson Structure | materials, allowing instructors to easily follow and assign problems from the Victory for the SAT ${ }^{\oplus}$ Test textbook. |  |  |  |  | 483 |  |
|  | B. Directions |  |  |  |  |  | 483 |  |
|  | C. Item Profiles |  |  |  |  |  | 484 |  |
|  | D. General Strategies |  |  |  |  |  | 485 |  |
|  | III. Lesson 1 \| Problem Solving and Advanced Arithmetic |  |  |  |  | 253 | 495 |  |
|  | A. Common Problem Solving Items |  |  |  |  | 254 | 495 |  |
|  | 1. Percentages |  |  | 5-7 | 1-7 | 254 | 495 |  |
|  | 2. Ratios |  |  | 8-9 | 8-9 | 254 | 495 |  |
|  | 3. Proportions and Direct-nverse variation |  |  | 14-16 | 10-16 | 255 | 500 |  |
|  | B. Multi-Step Problem Solving Items |  |  | 17-21 | 17-21 | 256 | 505 |  |
|  | C. Common Advanced Arithmetic Items |  |  |  |  | 256 | 509 | 286, 325 |
|  | 1. Properties of Numbers |  |  |  | 22-26 | 256 | 509 |  |
|  | 2. Sets: Union, Intersection, and Elements |  |  |  | 27-28 | 257 | 512 | 326 |
|  | 3. Absolute Value |  |  | 20-30 | 20-30 | 257 | 515 |  |
|  | 4. Complex Numbers |  |  | 31-32 | 31-32 | 1 258 | 517 |  |
|  | D. Problem Solving and Advanced Arithmetic Alternative Strategies |  |  |  |  | 258 | 519 |  |
|  | 1. "Test-the-Test ${ }^{\text {L }}$ " ${ }^{\text {a }}$ |  | $6$ | 33-39 | 33-39 | 258 | 519 | 335 |
|  | 2. "Plug-and-Chug" |  |  | 40 | 40 | 259 | 522 | 348 |
| $3$ | IV. Lesson 2 \| Agebra | The lesson plans select items for students in a given score range and provide the full item sequence if more practice is needed or time allows. |  |  |  | 261 | 523 | 361,473 |
|  | A. The "Flying-X" Method |  |  |  |  |  | 523 |  |
|  | B. Manipulating Akgebraic Expressions |  |  |  |  | 262 | 524 |  |
|  | 1. Basic Algebraic Manipulations |  |  | 1-2 | 1-2 | 262 | 524 |  |
|  | 2. Evaluating Expressions |  |  | 3-б | 3-6 | 262 | 526 |  |
|  | 3. Manipulating Expressions Involving Exponents |  |  | 7-8 | 7-8 | 262 | 528 |  |
|  | 4. Factoring Expressions |  |  | 9-11 | $9-11$ | 263 | 530 |  |
|  | C. Evaluating Sequences Involving Exponential Growth |  |  | 12-15 | 12-15 | 263 | 531 | 305 |
|  | D. Solving Algebraic Equations or Inequalities with Dne Variable |  |  |  |  | 263 | 536 | 306,367 |
|  | 1. Simple Equations |  |  | 16 | 16 | 263 | 536 | 479 |
|  | 2. Simple Inequalities |  |  | 17 | 17 | 264 | 536 | 377 |

Review concepts in the Essential Skills text as time permits or assign these pages as homework.

## LESSON PLAN FOR <br> INSTRUCTION

The lesson plan is an hour-by-hour and item-by-item instruction guide for each subject and score range. It includes the complete Course Concept Outline and the corresponding Course Concept Items as found in the student text and teacher's guide. The recommended lesson plan items are specific items in the text (referenced by item number and page number) that illustrate the points you should cover in the lesson, while the shaded rows indicate topics that may be used or omitted as time permits.


# FORMATIVE CONNECTION REPORT 

This report contains all of the Content Distribution report information in addition to data on how many students within each of the three score ranges selected each answer choice and what percentage of students in each score range selected the correct answer for each item. This in-depth analysis allows you to more effectively target skill gaps and differentiate instruction.


## SCALED SCORE Distraution REPORT

This report shows how many students achieved a particular score and how their scores compare to the class as a whole Each bar represents the total number of students who earned the indicated scaled score.

| Test | Level2 | Level3 | Level4 | Question Name | Correct Answer | AIF | B/G | $\mathrm{C} / \mathrm{H}$ | D/J | EK | Omitted |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| English Test | English Conventions of Standard English (31.83\%) <br> ribution report in Cam cludes all the same da | Grammar and Usa (32.47\%) <br> bridge's <br> ta points <br> page 6. | Diction (32.14\%) | PreACT Form B <br> English \#44 | H. as | 0 | 0 | 1 |  | $0$ | 6 |
|  |  |  | Faulty or Illogical Comparisons (32.14\%) | PreACT Form B English \#09 | B. other currencies that are centrally controlled by government agencies | 0 | 2 | 0 | and the | report can be exp <br> or a spreadshe | can be sorted orted as a PDF eet. |
| The Content Distribution report in Cambridge's online platform includes all the same data points as the Content Distribution report on page 6. |  |  |  | PreACT Form B English \#38 | H. and the circus of the past | 0 | 0 | 1 | 0 | 0 | 6 |
|  |  |  |  | Nouns and Noun Clauses (30.36\%) | PreACT Form B English \#07 | D. the dollar | 0 | 1 | 0 | 1 | 0 | 5 |
|  |  |  | PreACT Form B English \#11 |  | D. to verify | 0 | 0 | 0 | 1 | 0 | 6 |
|  |  |  | Pronoun Usage (32.14\%) | PreACT Form B <br> English \#06 | J. it is | 0 | 0 | 1 | 1 | 0 | 5 |
|  |  |  |  | PreACT Form B English \#13 | B. its | 0 | 1 | 0 | 0 | 0 | 6 |
|  |  |  |  | PreACT Form B <br> English \#36 | H. others | 0 | 0 | 1 | 0 | 0 | 6 |
|  |  |  | Subject-Verb Agreement (32.14\%) | PreACT Form B <br> English \#25 | B. There are about | 0 | 1 | 0 | 0 | 0 | 6 |
|  |  |  | Verb Tense (35.71\%) | PreACT Form B <br> English \#14 | H. grewup | 0 | 0 | 1 | 0 | 0 | 6 |
|  |  |  |  | PreACT Form B <br> English \#31 | B. compete | 0 | 1 | 0 | 0 | 0 | 6 |
|  |  | No Change (31.43\%) |  | PreACT Form B <br> English \#04 | F. NO CHANGE | 2 | 0 | 0 | 0 | 0 | 5 |
|  |  |  |  | PreACT Form B <br> English \#16 | F. No CHANGE | 1 | 0 | 0 | 0 | 0 | 6 |
|  |  |  |  | PreACT Form B English \#18 | F. NO CHANGE | 1 | 0 | 0 | 0 | 0 | 6 |
|  |  |  |  | PreACT Form B English \#23 | A. No CHANGE | 1 | 0 | 0 | 0 | 0 | 6 |
|  |  |  |  | PreACT Form B <br> English \#39 | A. No Change | 0 | 0 | 0 | 1 | 0 | 6 |
|  |  | Punctuation (28.57\%) | Commas (28.57\%) | PreACT Form B English \#20 | J. was released | 1 | 0 | 0 | 0 | 0 | 6 |
|  |  | Sentence Structure (31.55\%) | $\begin{aligned} & \text { Comma Splices } \\ & (28.57 \%) \end{aligned}$ | PreACT Form B <br> English \#05 | B. view; peer-to-peer | 0 | 1 | 1 | 0 | 0 | 5 |
|  |  |  | Faulty Parallelism (28.57\%) | PreACT Form B English \#37 | D. to see things, to go places, and to do things | 0 | 0 | 0 | 1 | 0 | 6 |
|  |  |  | Fragments (35.71\%) | PreACT Form B <br> Enalish \#10 | J. OMIT | 0 | 0 | 0 | 1 | 0 | 6 |

CAMBRIDGE XPRESS

Cambridge Xpress allows students to test online and receive immediate feedback right in Cambridge's testing platform. This service offers several advantages:

1. While testing, students can flag questions and easily navigate through the test.
2. Results are available immediately after students complete the test.
3. Students can see individual results and teachers can see group results on reports such as the one shown above.
4. If students are testing with a Cambridge exam, they can return to the test and review the items they got wrong.

Cambridge Educational Services offers many tools to help you reach your college- and careerreadiness goals. This Career Interest Inventory is just one example. For a program tailored to your needs, call us now at (847) 299-2930.


The level of data analysis available is incredibly helpful:
item analysis by student, skill analysis by class, skill analysis by grade level....

## YOU HAVE YOUR DATA-NOW WHAT?

Cambridge not only provides you with comprehensive data analysis of your students' performance but also helps you implement the information effectively in your classroom.
> PROFESSIONAL DEVELOPMENT

Cambridge offers professional development sessions for teachers to learn to read and interpret student data, implement supplemental materials to plug skill gaps, and become experts on test mechanics and strategies for the classroom. Teachers also gain insight into identifying key strengths and weaknesses of individual students and of the class as a whole, which allows them to teach a highly effective test preparation and skills review program.
> DATA-DRIVEN INSTRUCTION

Teachers can use Cambridge's customized lesson plans to select appropriate level material from the Cambridge Victory series. Lesson plans help teachers group students based on ability level, so teachers can cover the concepts that will be most beneficial to high, medium, and low groups.
> PRE- AND POST-TEST REVIEW

Cambridge Premiere
Packages include Navigator Plus packets with comprehensive explanations to each test question, including a summary of how to determine the correct answer, insight into the test design, and tips on improving test performance. Teachers can use Cambridge's data reports to identify high-value test items (such as those that were particularly confusing to the class) and review those items to help students avoid similar mistakes or misconceptions on future tests.

SKILLS REVIEW

Data reports show which core skills your students need to focus on and how much time should be spent on each skill. Teachers can use the Essential Skills and the NonNegotiable Skills series to help struggling students learn skills suited to their abilities, which helps them progress and improve their academic performance. Cambridge's data reports reveal the difficulty level of the material that should be included in the program.


[^0]:    Cambridge Educational Services, Inc. offers and scores tests from ACT, Inc., The College Board, and other testing companies. These are retired tests, intended for practice purposes only and not for official administration, and are based on high school curriculum as of the copyright dates of the tests. Cambridge's products and services, including its score reports, are not approved or endorsed by ACT, Inc., The College Board, or the other companies that develop the tests, and Cambridge has no affiliation with any of those entities.

