

2022-23 Pilot Program Application
Jumpstart Test Prep ACT® English & Reading Review
for Mississippi Public High Schools

Want to CRANK UP your ACT® Scores?

Let's Review!



Pilot Opportunity

Selected schools will participate in outcome improvement research after utilizing the Jumpstart Test Prep Complete ACT® English and Reading Review products for all enrolled Juniors at no cost.

- The program provides consumable workbooks and individual access accounts for students and selected teachers - administered in a near time frame to Spring 2023 mandated ACT® test day.
- Online streaming video modules are proctored in the classroom by your assigned teachers. Modules lead review, timed practice, and provide complete rationale for challenge questions - all as students follow along in their individual consumable workbook - followed by online practice assessments. The program outline is listed herein.

Qualifying schools will have encouraged students to attempt or provided the actual ACT® exam prior to Jumpstart Review implementation - the results of this attempt for individual students will be used as a baseline score for this efficacy research.

Applying schools agree to:

1. Provide their student pre-data using program provided excel template
2. Plan the implementation of the review in the February 2023 time frame described fully herein
3. Provide their student post-data using program provided excel template

Efficacy research individual student data will be kept confidential and not disclosed for this research.



"We have been delighted to have the opportunity to use this pilot program. **I can definitely discern that Jumpstart is a fantastic program,** and we are all grateful for the help. For years, we have been searching for ways to improve our students' scores. For instance, two years ago our students were provided with an extra Flex Block of 47 minutes, which was specifically geared toward ACT® preparation and instruction. Without a proper program in place, we were, unfortunately, flailing in our ability to help our students since we are not specialists in all subjects. Since then, we have been providing ACT® boot camps. We are doing our level best to assist our students; however, **nothing has compared to this spectacular program.** Many of my juniors told me they experienced multiple points of growth on the post-assessment. My students were engaged by each video because they saw a new face and heard a new voice each time they watched a new

Module. The speakers were relatable and diverse. My favorite part was the fact that everything was timed. The timed challenges provided students with the opportunity to practice ACT® questions the right way. Thank you so much for helping our students at Pontotoc High School!"

Colleen Parman, English Instructor
Pontotoc High School

#jumpstarttestprepworks

What's Included:

Student Workbooks, Individual Access Accounts, Online Assessments, Teacher Accounts, Administrative Dashboard and More!

Simple to implement!

Each module contains content review, ACT® specific testing strategies, tips and realistic timed practice proven to help students of all ability levels improve their scores!

Jumpstart ACT® English & Reading Daily Module Review Prior to Spring Mandated ACT® Testing

Scheduling Implementation

The results of the Jumpstart ACT® English and Reading Reviews will be optimized when completing in a near time frame to test day. Every school is unique with individual student strengths and needs, student-adult ratios, and varied time for instruction. Therefore, there is no one-size-fits-all approach to developing the implementation schedule, however a daily module review is preferred as described below.



Complete ACT® English Review



Complete ACT® Reading Review

Intro	10 Min	Introduction to ACT® English	
Module 1	35 Min	Sentence Structure Sentences Sentence Fragments	Run-on Sentences Comma Splices Misplaced Modifiers
Module 2	44 Min	Punctuation Commas Semicolons	Colons Dashes
Module 3	37 Min	Punctuation & Language Parentheses Apostrophes	Vocabulary Idioms Formal Language
Module 4	44 Min	Nouns, Verbs & Transition Words Nouns Pronouns Verbs - Consistent Tense	Subject-Verb Agreement Parallelism Transition Words / Conjunctive Adverbs
Module 5	38 Min	Grammar & Usage Adjective Usage Adverb Usage	Confusing Word Pairs Avoiding Dangling Modifiers
Module 6	32 Min	Word Economy Redundancy Words to Watch For	Embedded Questions
Module 7	33 Min	Unity Paragraph Transitions Order of Sentences	Unity
Module 8	25 Min	Organization & Purpose Identifying Topic Soaking Questions	Paragraph Order Yes / No Questions Final Tips
Online Pre and Post Assessments	45 Min	75 question timed assessments. Upon completion, each incorrect question will direct link back to our module content for better understanding of individual student deficiencies	
Total Time	343 Minutes	Approx. 5.5 Hours (plus individual review of online assessments)	

Intro	11 Min	Introduction to ACT® Reading	
Module 1	43 Min	Prose Fiction Tips and Strategies Challenge Passage 1	Challenge Passage 2 Challenge Passage 3
Module 2	44 Min	Social Science Tips and Strategies Challenge Passage 1	Challenge Passage 2 Challenge Passage 3
Module 3	42 Min	Humanities Tips and Strategies Challenge Passage 1	Challenge Passage 2 Challenge Passage 3
Module 4	44 Min	Natural Science Tips and Strategies Challenge Passage 1	Challenge Passage 2 Challenge Passage 3
Total Time	184 Minutes	Approx. 3 Hours	

#jumpstarttestprepworks

"I really liked the Jumpstart program because it was a good review where they could go over content that they might have forgotten. **It's a great guided step-by-step review that teaches really good strategies. It was a big help to our students.**"



Kristen King, Teacher
Lloyd Star Attendance Center

Jumpstart Test Prep ACT® Review 2020-2021 Pilot Program Evidence Based Improvement Study

Produced by Jake D. Hoskins, PhD of h-squared Analytics, LLC
Summary of Results and Conclusions

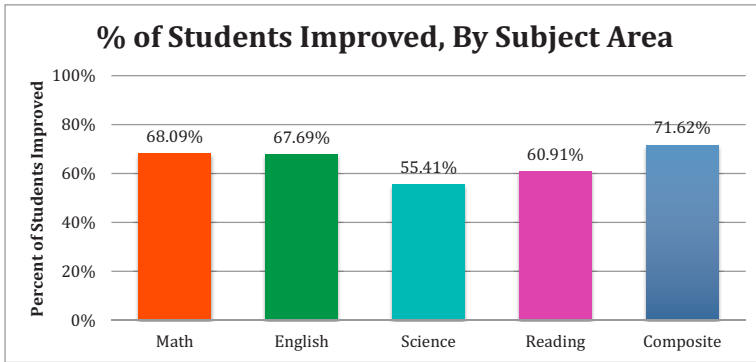


Figure 1. Percent of Students Improved, by Subject Area

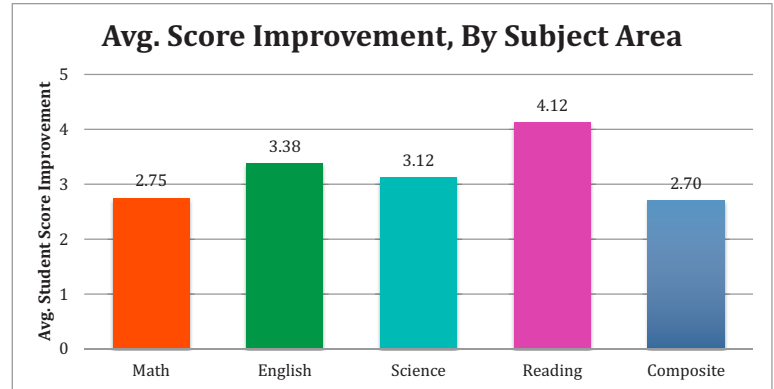


Figure 2. Average Rate of Improvement, Among Those Students Who Showed Improvement

This is calculated by including all students who had both an actual ACT pre-test score (before the use of the Jumpstart Test Prep Review Program) and an actual ACT post-test score (after utilizing Jumpstart Test Prep Review Program), from which potential improvements could be measured and attributed to the program.

Complete ACT® Math Review

STUDENTS IMPROVING AS MUCH AS **+9 POINTS**

AVERAGE IMPROVEMENT **80% 3.81**

SCHOOL MOST IMPROVED IN MATH
LOYD STAR ATTENDANCE CENTER

Complete ACT® Reading Review

STUDENTS IMPROVING AS MUCH AS **+12 POINTS**

AVERAGE IMPROVEMENT **65% 4.7**

SCHOOL MOST IMPROVED IN READING
LOYD STAR ATTENDANCE CENTER

Complete ACT® English Review

STUDENTS IMPROVING AS MUCH AS **+12 POINTS**

AVERAGE IMPROVEMENT **88% 4.92**

SCHOOL MOST IMPROVED IN ENGLISH
MIZE ATTENDANCE CENTER

Composite ACT® Score Improvement

STUDENTS IMPROVING AS MUCH AS **+9 POINTS**

AVERAGE IMPROVEMENT **88% 3.07**

SCHOOL MOST IMPROVED IN COMPOSITE SCORES
MIZE ATTENDANCE CENTER

Complete ACT® Science Review

STUDENTS IMPROVING AS MUCH AS **+12 POINTS**

AVERAGE IMPROVEMENT **73% 2.75**

SCHOOL MOST IMPROVED IN SCIENCE
LELAND HIGH SCHOOL

“It is clear that similar rates of improvement that may be attributed to Jumpstart Test Prep are shared among students from different genders, ethnicities and schools attended.” - Jake Hoskins, PhD, h-squared Analytics, LLC



Improvements Observed by Gender - All results are significant.

	Males	Females
Math	+2.74 (15.35%) ** [n=38]	+2.77 (16.41%) ** [n=56]
English	+3.25 (20.93%) ** [n=261]	+3.46 (23.30%) ** [n=317]
Science	+2.82 (15.78%) ** [n=17]	+3.35 (22.50%) ** [n=23]
Reading	+4.26 (24.82%) ** [n=31]	+3.94 (26.56%) ** [n=34]
Composite	+2.41 (13.57%) ** [n=22]	+2.87 (18.02%) ** [n=30]

Table 4. Gender Breakdown; One Tail T-Tests of Significance; ** p<.05; * p<.10

Improvements Observed by Ethnicity - Substantive gains are found for both groups.

	Historically Disadvantaged	Whites / Asians
Math	+2.00 (12.16%) ** [n=29]	+2.84 (15.57%) ** [n=51]
English	+3.42 (26.53%) ** [n=197]	+3.32 (19.69%) ** [n=351]
Science	+3.00 (18.02%) ** [n=15]	+3.67 (24.07%) ** [n=15]
Reading	+3.19 (21.50%) ** [n=26]	+4.71 (26.69%) ** [n=28]
Composite	+2.00 (12.12%) ** [n=15]	+2.92 (16.66%) ** [n=24]

Table 5. Ethnicity Breakdown; One Tailed T-Tests of Significance; ** p<.05; * p<.10

Improvements Observed by School Quality - All gains are positive and significant.

	High Quality Schools	Low/Mid Quality Schools
Math	+2.86 (16.61%) ** [n=22]	+2.72 (15.75%) ** [n=74]
English	+3.41 (22.08%) ** [n=346]	+3.36 (22.49%) ** [n=270]
Science	+3.76 (23.80%) ** [n=17]	+2.67 (16.71%) ** [n=24]
Reading	+5.05 (29.09%) ** [n=21]	+3.70 (24.30%) ** [n=46]
Composite	+2.92 (16.53%) ** [n=26]	+2.48 (16.03%) ** [n=27]

Table 6. School Quality Breakdown; One Tailed T-Tests of Significance; ** p<.05; * p<.10

Jumpstart Test Prep Impact on Graduation Rate For At-Risk Students

Percentages of at-risk students crossing from below to above the ACT® 17 score level with Jumpstart

Math 19.96%
 English 27.55%
 Science 42.28%
 Reading 23.04%

KEY CONCLUSIONS

- ▶ Nearly three-quarters of students with previous exam attempts experienced a Composite score increase, with an average Composite point gain of 2.70 among those students who did improve. Observed average rates of improvement were even higher by subject area: Math (2.75), English (3.38), Science (3.12) and Reading (4.12).
- ▶ Gains were shared across gender, ethnicity and school quality factors.
- ▶ Implementation of the program reduced subject level end-of-course graduation requirement risks by 20% to 42%.
- ▶ Rigorous aggregate level t-tests in which pre- to post- score changes are assessed demonstrated that three of the four subject areas and the composite average saw statistically significant positive score changes at the critical p-value of .05 (see Column 1 of Table 3). The only non-significant result is for Science. This threshold effectively gives us **95% confidence that the results observed in this sample would generalize to the population of interest (i.e., all High School Juniors).** (i.e., all High School Juniors).

- Jake Hoskins, PhD, h-squared Analytics, LLC



2022-2023 Jumpstart Test Prep ACT® English & Reading Review Pilot Program Interest Form for Mississippi Public High Schools

_____ (High School Name) is interested in being considered as a pilot high school in the 2022-23 Jumpstart Test Prep **Complete ACT® English & Reading Review Programs** through the Mississippi Department of Education. If chosen as a pilot school for the 2022-23 school year, it is understood that my school will meet the following implementation expectations:

1. Identify all teachers that will proctor the review for junior class and require their attendance to a 1-hour Jumpstart Test Prep orientation and training meeting conducted on school campus or by Zoom during the following window of time: September 30, 2022 – December 31, 2022. The exact date of the faculty orientation and training meeting will be identified jointly by each selected high school and Jumpstart Test Prep staff via email.
2. Distribute to all current junior students one Jumpstart Test Prep English and one Reading workbook and individual student access account credentials. **Our accurate n-count of juniors (11th grade) as of today is _____.**
The number of these students with a prior ACT® exam score to date is _____.
Selected high schools will receive their shipment of workbooks at orientation meeting.
The workbooks will be used to complement the online resources of the Jumpstart Complete ACT® English and Reading Review programs.
3. Selected schools, along with pilot students, will have access to the Jumpstart online review content following the December national ACT® test date through the end of the school year (May 31, 2023). Prior to ACT® testing of juniors in Spring of 2023, selected schools agree to schedule and proctor the use of the Jumpstart Test Prep Complete English Review (8, 45-minute modules plus a pre and post online assessment) and Reading Review (4, 45-minute modules plus post assessment) through:

CLASSROOM USE: Beginning approximately 20 school days prior to Spring ACT® Junior test date, schedule and complete Jumpstart’s online, on-demand complete ACT® English and Reading Review inside the classroom through a combination of whole-class instruction (Preferred - 1 projector in the classroom, 1 workbook per student) and/or individualized learning (1 student per device in a computer lab, or through 1:1 devices in the classroom)

PARENT LETTERS: Distribute the parent letter that will be furnished to every junior student to inform parents about the Jumpstart Test Prep English and Reading Review Programs and how they can help their child prepare at home. Note: As a pilot high school, the high school may modify and edit parent letter as needed.

Reporting:

4. Each principal and teacher proctor will participate in a brief 10-question online evaluation process in March 2023 conducted through SurveyMonkey.
5. Share ACT® assessment data with Jumpstart Test Prep as part of the pilot program research program. Specifically, provide a data comparison for junior students with any prior actual ACT® scores (up until the December 2022 national test date) to their Spring 2022 Junior mandated ACT® scores following the Jumpstart English and Reading Reviews. Reporting of this individual student comparison to Jumpstart Test Prep must be made by March 31, 2023 (or as soon as the data is received by the school). Efficacy research individual student data will be kept confidential and not disclosed for this research.

By signing below, you are verifying that you have read this information in its entirety and understand your high school’s commitment as a pilot site if randomly selected.

Upon completion, please scan to Roxie Landry at Jumpstart Test Prep at email to: roxie@jumpstarttestprep.com by 12 pm on May 6, 2022.

Superintendent’s Name (Please Print)

Superintendent’s Signature & Date

Superintendent’s Email Address:

High School Principal’s Name (Please Print)

High School Principal’s Name Signature & Date

High School Principal’s Email Address: