

The Condition of College & Career Readiness

This report looks at the achievement of the ACT®-tested 2017 graduating class relative to college and career readiness. A total of 60% of students in the 2017 US graduating class took the ACT® test, compared to 64% last year, 54% in 2013, and 42% in 2007. The growing percentage of the nation's graduates taking the ACT over the past decade has enhanced the breadth and depth of the data pool, providing a comprehensive picture of the current graduating class in the context of college readiness.

As a research-based nonprofit organization, ACT is committed to providing information and solutions to support the following:

- **Holistic view of readiness.** The ACT report, *Broadening the Definition of College and Career Readiness: A Holistic Approach*, shows academic readiness is only one of multiple domains critical in determining an individual's readiness for success in college and career. Social and emotional learning skills (SEL) are also vital. Behavioral skills, cross-cutting capabilities, and navigational skills should be measured and addressed. Together, these elements provide a comprehensive picture of student readiness for success after high school.
- **Meaningful data for better decisions.** ACT is focused on providing better data to students, parents, schools, districts, and states so that all can make more informed decisions to improve educational outcomes. We accomplish this goal by taking a holistic view and using consistent and reliable historical information so that individuals and institutions have a better context to make critical decisions about the journey they have undertaken.

The Condition of College & Career Readiness 2017

New Hampshire Key Findings

Performance

- In the New Hampshire graduating class of 2017, 2,856 graduates took the ACT® test, compared to 2,987 in 2013.
- In New Hampshire, 18 percent of 2017 graduates took the ACT, compared to 60 percent nationally.
- New Hampshire graduates of 2017 had an average Composite score of 25.5, compared to the national average of 21.0.
 - ~ Compared to the 2017 New Hampshire graduating class Composite average of 25.5, New Hampshire graduates in 2016 and 2013 had Composite averages of 24.5 and 23.8, respectively.
 - ~ In the 2017 graduating class, the average ACT score increased in English, Math, Reading and Science, compared to last year.
 - ~ In the 2017 graduating class, the average ACT Composite score has increased 1.7 percent over the last five years.
- In the 2017 graduating class, the percent of students meeting all four ACT College Readiness Benchmarks increased by 13 percent over the last five years.
 - ~ In the 2017 graduating class, the percent of students meeting ACT College Readiness Benchmarks increased in English, math, reading and science, compared to last year.

STEM

- In 2017, 1,475 New Hampshire graduates (52 percent) indicated having an interest in STEM majors and/or careers.
- Compared to a 2017 New Hampshire graduating class STEM average of 25.3, graduates in 2016 and 2013 had STEM averages of 24.5 and 23.7, respectively.
- Compared to 48 percent of 2017 New Hampshire graduates meeting the ACT STEM College Readiness Benchmark, graduates in 2016 and 2013 had STEM Benchmark percentages of 41 and 35, respectively.
- Students who took Trigonometry and Calculus attained an ACT average math score 8.3 points higher than students whose highest level of math was listed as Geometry.
- The ACT is the only college entrance exam with a dedicated Science assessment, making the ACT a great fit for the New Hampshire STEM – Smarter Pathways initiative.

Career Readiness

- In 2017, 1,620 New Hampshire graduates (57 percent) were likely to attain the Gold ACT WorkKeys® National Career Readiness Certificate® or higher, based upon ACT Composite score, compared to 538,392 (27 percent) nationally.
 - ~ The ACT Composite scores associated with a 50% chance of earning each ACT WorkKeys NCRC® level or higher are: 13 for Bronze, 17 for Silver, 25 for Gold, and 35 for Platinum. Based on those cut scores, students who earned an ACT Composite score of less than 13 would be classified as "Needs Improvement," 13 to 16 as "Bronze," 17 to 24 as "Silver," and 25 or above as "Gold or Higher." For comparison, individual student score reports classify those who scored 12 to 13, 14 to 17, and 18 and higher as making progress toward Bronze, Silver, and Gold certificates.

Impact

- Based on the actual test volume and ACT score distributions of 2016 ACT-tested New Hampshire high school graduates, ACT research estimates that an increase of 0.1 in state average ACT Composite score for the 2017 graduating class would result in:
 - ~ 5 more students enrolling in college.
 - ~ 6 more students persisting to year two.
 - ~ 3 fewer students needing remedial English.
 - ~ 5 fewer students needing remedial math.
 - ~ 7 more students persisting to year four.
 - ~ 8 more students earning a postsecondary degree within six years.

Behaviors that Impact Access and Opportunity

- In New Hampshire, 2017 graduates taking the ACT two or more times had an average Composite score of 27.0, compared to 24.6 for single-time testers.
 - ~ 37 percent (1,061) of the 2017 New Hampshire graduating class took the ACT more than once, compared to 45 percent nationally.
- For New Hampshire's 2017 ACT-tested graduates, the top five schools to which scores were sent were University of New Hampshire, Northeastern University, University of Vermont, Boston University, and University of Massachusetts Amherst.
 - ~ For New Hampshire's 2017 ACT-tested graduates, the top three out-of-state schools to which scores were sent were Northeastern University, University of Vermont, and Boston University.
- Compared to 73 percent of 2017 graduates nationally, 53 percent of New Hampshire graduates opted into EOS.
 - ~ Compared to 85 percent of African American students nationally, 62 percent of New Hampshire African American 2017 graduates opted into EOS.
 - ~ Compared to 69 percent of White students nationally, 53 percent of New Hampshire White 2017 graduates opted into EOS.
 - ~ Compared to 83 percent of Hispanic students nationally, 64 percent of New Hampshire Hispanic 2017 graduates opted into EOS.
 - ~ Compared to 76 percent of Asian students nationally, 56 percent of New Hampshire Asian 2017 graduates opted into EOS.
 - ~ The ACT "Get Your Name in the Game" initiative allows colleges and universities access to underserved students' names free of charge. Four colleges and universities in New Hampshire acquired 7,807 students' names using "Get Your Name in the Game."
- ACT issued 142 ACT fee waivers to qualified New Hampshire students. However, 28 students (20 percent) did not take advantage of this opportunity to test for free. This compares to 656,061 issued nationally, of which 181,092 (28 percent) did not take advantage. This represents a great opportunity for high schools within the state to increase the socio-economic diversity of their students tested. Note: This is the number of fee waivers issued for the state, not specific to this graduating class.

Pipeline

- In the New Hampshire graduating class of 2017, 83 (3 percent) had parents who did not attend college.
- In the New Hampshire graduating class of 2017, 677 (24 percent) aspired to attain a professional degree. They had an average Composite score of 27.4.
- In the New Hampshire graduating class of 2017, 822 (29 percent) aspired to attain a graduate degree. They had an average Composite score of 26.2.
- In the New Hampshire graduating class of 2017, 804 (28 percent) aspired to attain a bachelor's degree. They had an average Composite score of 23.5.
- In the New Hampshire graduating class of 2017, 4 (0 percent) aspired to attain an associate's degree. They had an average Composite score of 21.0.
- In order of prevalence, the five most commonly indicated college majors of interest for 2017 New Hampshire graduates were: Undecided; Medicine (Pre-Medicine); Business Administration and Management, General; Biology, General; and Mechanical Engineering.
 - ~ In the New Hampshire graduating class of 2017, 652 (23 percent) indicated being undecided about their college major. They had an average Composite score of 25.7.
 - ~ In the New Hampshire graduating class of 2017, 62 (2 percent) indicated planning on majoring in education. They had an average Composite score of 23.6.

ACT Footprint

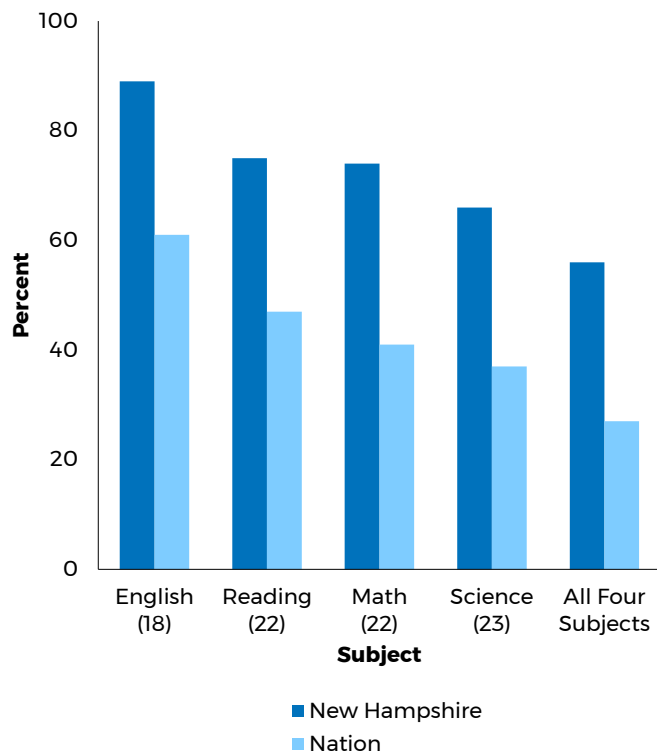
- Number of administrations:
 - ~ ACT Aspire Periodic: 4,359
 - ~ PreACT®: 120
 - ~ ACT WorkKeys: 1,472

Additional Points

- According to the US Department of Labor, the top five emerging professions in New Hampshire include: Statisticians, Atmospheric and Space Scientists, Personal Financial Advisors, Nurse Practitioners, and Physical Therapist Assistants.
- ACT will host two ACT College and Career Readiness Workshops in September in New Hampshire at the University of New Hampshire and New England College. The theme for this year's workshop is "Preparing Students for Success: A Holistic Approach."
- In the 2017 New Hampshire graduating class, 18 students earned a 36 Composite score on the ACT.

New Hampshire College and Career Readiness Attainment, Participation, and Opportunity

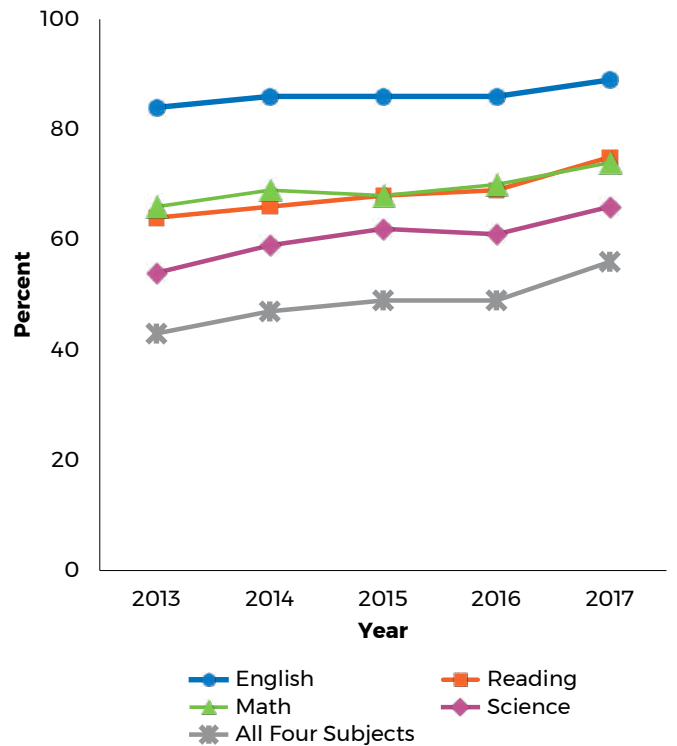
Percent of 2017 ACT-Tested High School Graduates Meeting ACT College Readiness Benchmarks* by Subject



Data from graph above:

State / Nation	English (18)	Reading (22)	Math (22)	Science (23)	All Four
New Hampshire	89	75	74	66	56
Nation	61	47	41	37	27

Percent of 2013–2017 ACT-Tested High School Graduates Meeting ACT College Readiness Benchmarks

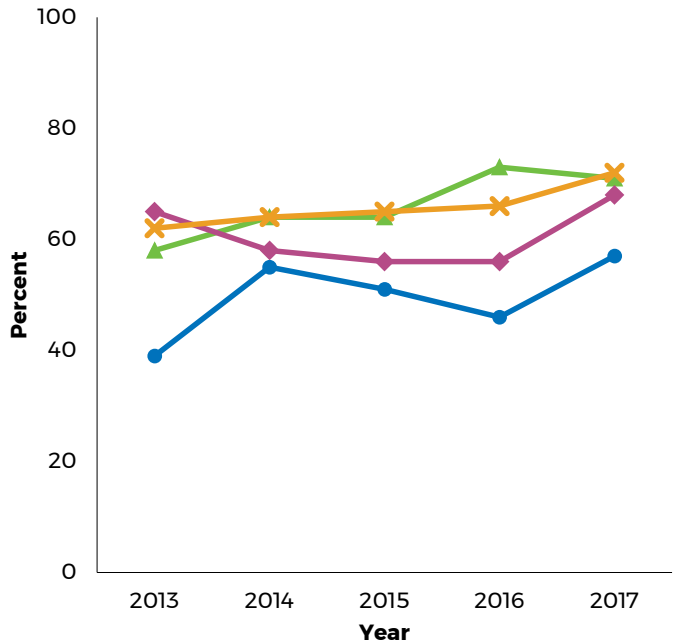


Data from graph above:

Subject	2013	2014	2015	2016	2017
English	84	86	86	86	89
Reading	64	66	68	69	75
Math	66	69	68	70	74
Science	54	59	62	61	66
All Four Subjects	43	47	49	49	56

* The ACT College Readiness Benchmarks are scores on the ACT subject area tests that represent the level of achievement required for students to have a 50% chance of obtaining a B or higher or about a 75% chance of obtaining a C or higher in corresponding credit-bearing first-year college courses. Throughout this report, benchmark attainment corresponds with students meeting or exceeding score values in parentheses ().

Percent of 2013-2017 ACT-Tested High School Graduates Meeting Three or More ACT College Readiness Benchmarks by Race/Ethnicity*



● African American
■ American Indian
▲ Asian American
◆ Hispanic
✱ Pacific Islander
✱ White

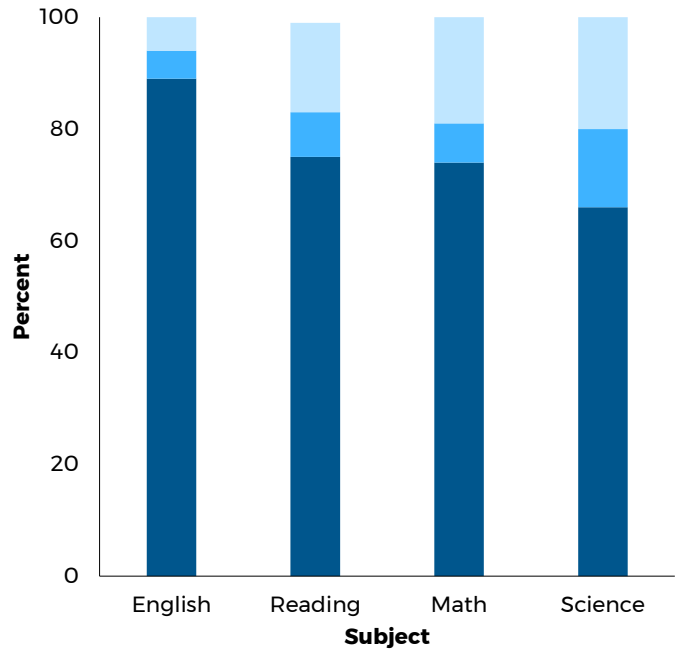
Data from graph above:

Race	2013	2014	2015	2016	2017
African American	39	55	51	46	57
American Indian					
Asian American	58	64	64	73	71
Hispanic	65	58	56	56	68
Pacific Islander					
White	62	64	65	66	72

* Percentages for groups with insufficient counts will be missing.

Percent of 2017 ACT-Tested High School Graduates by ACT College Readiness Benchmark Attainment and Subject

Note: Percents in this graph may not sum to 100% due to rounding. Values less than 0.5% will not appear.

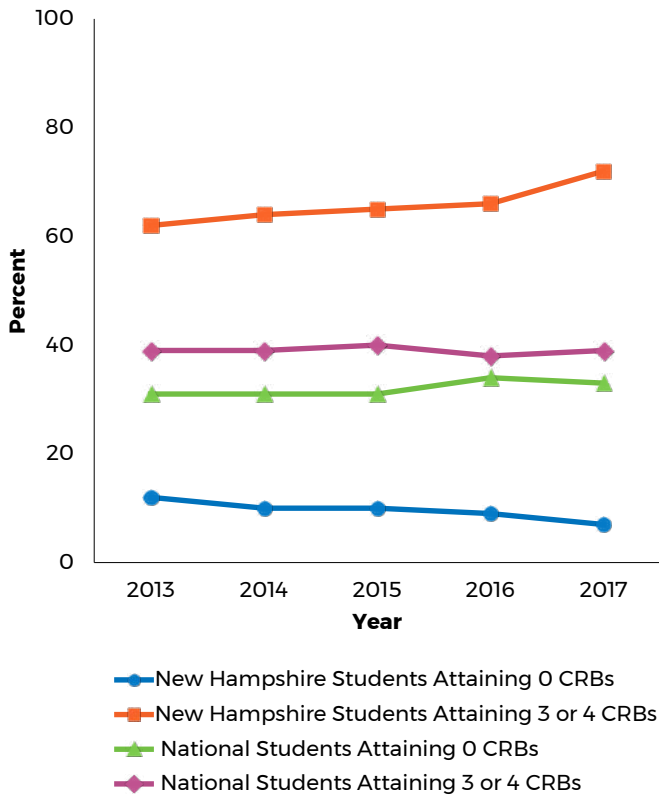


■ Met Benchmark
■ Within 2 Points of Benchmark
■ Below Benchmark by 3+ Points

Data from graph above:

Attainment	English	Reading	Math	Science
Met Benchmark	89	75	74	66
Within 2 Points of Benchmark	5	8	7	14
Below Benchmark by 3+ Points	6	16	19	20

Trends in Percent of ACT-Tested High School Graduates by Number of ACT College Readiness Benchmarks (CRBs) Attained

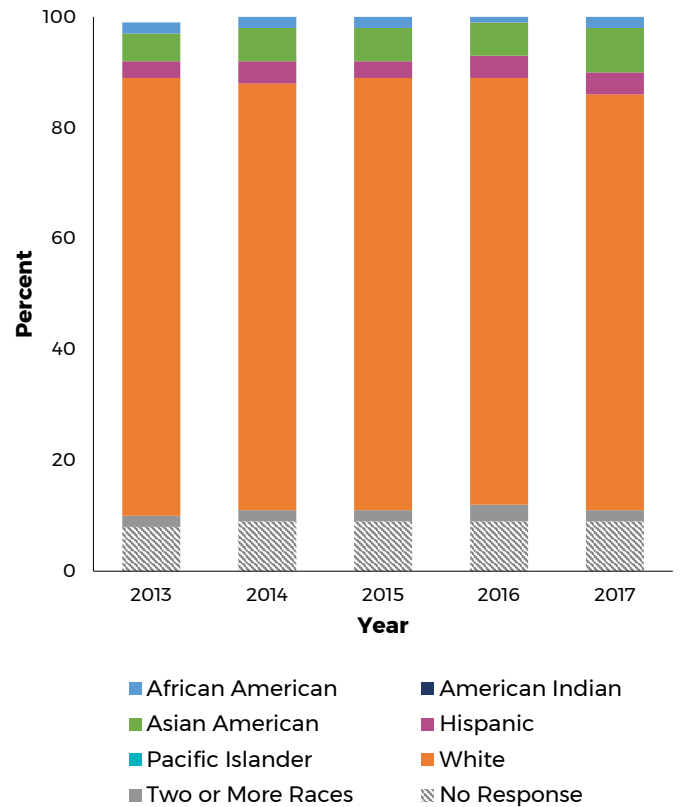


Data from graph above:

Attainment	2013	2014	2015	2016	2017
New Hampshire Students Attaining 0 CRBs	12	10	10	9	7
New Hampshire Students Attaining 3 or 4 CRBs	62	64	65	66	72
National Students Attaining 0 CRBs	31	31	31	34	33
National Students Attaining 3 or 4 CRBs	39	39	40	38	39

Percent of 2013–2017 ACT-Tested High School Graduates by Race/Ethnicity

Note: Percents in this graph may not sum to 100% due to rounding. Values less than 0.5% will not appear.



Data from graph above:

Race	2013	2014	2015	2016	2017
African American	2	2	2	2	2
American Indian	0	0	0	0	0
Asian American	5	6	6	6	8
Hispanic	3	4	3	4	4
Pacific Islander	0	0	0	0	0
White	79	77	78	77	75
Two or More Races	2	2	2	3	2
No Response	8	9	9	9	9

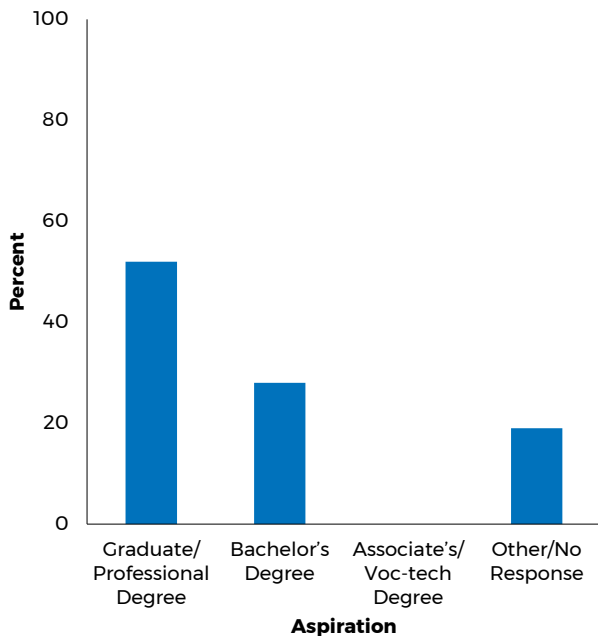
New Hampshire: Between 2013 and 2017, the number of students taking the ACT in New Hampshire decreased by 131 students (-4 percent).

Student Data Trends: 2013-2017, State vs. Nation

Outcome	Cohort	2013	2014	2015	2016	2017
Percent Tested	New Hampshire	19	20	23	23	18
	Nation	54	57	59	64	60
N Tested	New Hampshire	2,987	3,179	3,487	3,407	2,856
	Nation	1,799,243	1,845,787	1,924,436	2,090,342	2,030,038
Average English Score	New Hampshire	23.6	23.9	24.1	24.0	25.4
	Nation	20.2	20.3	20.4	20.1	20.3
Average Reading Score	New Hampshire	24.2	24.5	24.7	25.1	26.0
	Nation	21.1	21.3	21.4	21.3	21.4
Average Math Score	New Hampshire	23.6	24.2	24.1	24.4	25.1
	Nation	20.9	20.9	20.8	20.6	20.7
Average Science Score	New Hampshire	23.2	23.6	23.9	24.1	24.9
	Nation	20.7	20.8	20.9	20.8	21.0
Average Composite Score	New Hampshire	23.8	24.2	24.3	24.5	25.5
	Nation	20.9	21.0	21.0	20.8	21.0

Percent of 2017 ACT-Tested High School Graduates by Educational Aspirations

Note: Percents in this graph may not sum to 100% due to rounding.



There is good news in that 81% of New Hampshire's 2017 ACT-tested graduates aspired to postsecondary education. Interestingly enough, 84% of New Hampshire's 2016 ACT-tested graduating class aspired to enroll in postsecondary education, compared to 77% who actually did enroll. If we fully closed the aspirational gap, an additional 259 of the 2016 ACT-tested graduates from New Hampshire would have enrolled in postsecondary education.

Data from graph

Aspiration	Percent
Graduate / Professional Degree	52
Bachelor's Degree	28
Associate's / Voc-tech Degree	0
Other / No Response	19



New Hampshire State Exemplar 2017 ACT College and Career Readiness Campaign

Simarya Severance-Camp

Mascoma Valley Regional HS, Mascoma Valley Regional School District

“I know I want to end up in a place where I can make a difference in the world for the better. . . . I like to help and I do my best work when it benefits someone else besides me.”

Simarya refused to listen to those who tried to discourage her from her childhood dream of becoming a lawyer, and has persisted in her passion for the law throughout high school—including working with her school to create her own legal course.

After college, Simarya plans to attend law school. Though she’s not exactly sure where her talents and drive will lead her, she wants to make a difference in the world around her.

Information and products for further review

	Knowledge & Skills	Social & Emotional
Assessments	ACT Aspire®	ACT Tessera™
	PreACT®	ACT Engage®
	The ACT® Test	
	ACT WorkKeys®	
Research	Condition of College & Career Readiness	A Rosetta Stone for Noncognitive Skills
	ACT® National Curriculum Survey®	
	The Forgotten Middle	Tessera Comprehensive Theory of Action
	Rigor at Risk	
	ACT Holistic Framework™	
Resources	PLDs Learning Description Review	Tessera Teacher Playbook
	Curriculum Review Worksheets	
	OpenEd Learning Resources	
	Test Prep	
Training	Professional Learning Sessions	
	College & Career Readiness Workshops	
	Holistic Framework Webinars	

We are more than just the ACT test. ACT products and services encompass a variety of research- and assessment-based solutions.

As research leaders, we continue to innovate education and workforce solutions to help guide individuals to education and career success.

Find out more at www.act.org.

Key ACT Research

As students navigate their education and career journeys, it is critical for them to be ready for college and career success. College and career readiness is supported by the ACT Holistic Framework, a research-based, multidimensional model for understanding the essential knowledge and skills needed for success, and the solutions that can meet students' navigation needs. Visit act.org/condition2017 to access key reports listed below.

- Serving students' navigation needs from kindergarten to career requires a holistic approach:
 - ~ *Beyond Academics: A Holistic Framework for Enhancing Education and Workplace Success*
 - ~ *The Importance of Behavioral Skills and Navigation Factors for Education and Workforce Success*
- The ACT Holistic Framework is supported by prolific research:
 - ~ Core Academic Skills:
 - 2017 State and National Condition Reports
 - *Profiles of STEM Students: Persisters, Joiners, Changers, and Departers*
 - *ACT Composite Score by Parental Education Level, 2012-2016*
 - *Comparisons of Student Achievement Levels by District Performance and Poverty*
 - ~ Behavioral Skills (also called Social and Emotional Learning):
 - *The Development of Behavioral Performance Level Descriptors*
 - ~ Cross-Cutting Capabilities:
 - *ACT National Curriculum Survey 2016*
 - ~ Student journeys continue into postsecondary education and careers:
 - *Higher Education Research Digest*
 - *Predicted Attainment of ACT National Career Readiness Certificates for the 2016 ACT-tested High School Cohort*

Recommendations

- 1. Use a holistic assessment model for school accountability that measures student readiness for college and career across multiple domains.** While it is essential to measure students' academic achievement in assessing college and career readiness, it is not enough. Social and emotional learning skills are important and measurable, and they can be impacted. Assessment models should take into account core academic skills, behavioral skills, cross-cutting capabilities, and education and career navigation skills to provide an integrated picture of college and work readiness.
- 2. Make special efforts to ensure that underrepresented students have equal access and opportunity to pursue postsecondary education.** According to ACT research, most underrepresented students want to continue their education after high school, but they face many barriers. Ensuring they have access to the same rigorous core curriculum as others is just one step. Many also lack the resources, information, and familial and peer support they need to prepare for success after high school. Special efforts must be made to level the playing field for underrepresented students so they have equal opportunity to succeed.
- 3. Increase emphasis on STEM readiness initiatives, measures, and programs.** With technology advancing rapidly, the importance of STEM readiness is only increasing. The threat of robotic and computer-assisted technologies eliminating jobs is growing while the remaining and emerging jobs will likely require higher-level skills. ACT data continue to show that many graduates are not ready. Without improvement in STEM readiness, far too many will be ill-prepared for the future workforce.
- 4. Focus on fewer, higher, and clearer learning standards in K-12 schools.** Far too many students continue to graduate from high school without all of the core skills they will need to ably succeed at the next level. Many will struggle, and many will likely fail to realize their aspirations. The push toward raising the bar on learning standards and focusing on the essential skills necessary for success must continue.
- 5. Begin assessing learning and implementing intervention strategies early.** Early assessment and intervention are critical to improving educational outcomes. If students are not on track for college and career readiness by the time they reach middle school, it may be too late. Assessing learning and implementing intervention strategies to help students get on the right path for college and career readiness must begin in elementary school.