SPONSORED BY:

GAS SOUTH

THE ECONOMICS OF EDUCATION
FIFTH EDITION

THE ECONOMICS OF EDUCATION

GEORGIA PARTNERSHIP
FOR EXCELLENCE IN EDUCATION
1. Examine the Data for Education in Georgia

2. Economic Impact of Georgia Non-Graduates

3. Strengthening the Birth to Work Pipeline

4. What Can We Do?
Examine the Data for Education in Georgia
Academic Achievement Milestones

School Readiness

Literacy by 3rd Grade

Numeracy by 8th Grade

High School Graduation

Workforce and/or College Ready
Disparities in Early Vocabulary Growth

NAEP 4<sup>th</sup> Grade Reading
Percent At or Above Proficient

NAEP 8th Grade Math
Percent At or Above Proficient

- 20th State
- U.S.
- Georgia


- 20th State: 35% - 36% - 37% - 37% - 35% - 36%
- U.S.: 33% - 34% - 34% - 33% - 33%
- Georgia: 25% - 27% - 28% - 29% - 28% - 31%
# Georgia High School Graduation Rates

<table>
<thead>
<tr>
<th>Year</th>
<th>High School Graduation Rate State Average</th>
</tr>
</thead>
<tbody>
<tr>
<td>2014</td>
<td>73%</td>
</tr>
<tr>
<td>2015</td>
<td>79%</td>
</tr>
<tr>
<td>2016</td>
<td>79%</td>
</tr>
<tr>
<td>2017</td>
<td>81%</td>
</tr>
</tbody>
</table>

*Source: Governor’s Office of Student Achievement*
Percent of ACT Tested High School Graduates Meeting College Readiness Benchmarks - Reading

Source: ACT, National -- The Condition of College and Career Readiness 2017
Percent of ACT Tested High School Graduates Meeting College Readiness Benchmarks - Math

Source: ACT, National -- The Condition of College and Career Readiness 2017
The Missing 57%

100 Georgia 9th Graders Enter High School!

- 81 graduate HS
- 62 enroll in higher education
- 43 make it to their sophomore year

Source: Ga DOE data for 2016-2017 school year; projections by Atlanta Regional Commission
The Changing Face of Georgia

2001-2010: Percent Population Increase

- Hispanic: 49%
- Asian: 45%
- Living in poverty: 38%
- African-American: 20%
- All: 16%
- White: 8%

Source: U.S Census Data
## Achievement Gaps

<table>
<thead>
<tr>
<th></th>
<th>4th Grade Reading*</th>
<th>8th Grade Math*</th>
<th>HS Graduation**</th>
</tr>
</thead>
<tbody>
<tr>
<td>All Students</td>
<td>35%</td>
<td>31%</td>
<td>81%</td>
</tr>
<tr>
<td>Low-Income</td>
<td>25%</td>
<td>20%</td>
<td>76%</td>
</tr>
<tr>
<td>English Language Learners</td>
<td>10%</td>
<td>4%</td>
<td>59%</td>
</tr>
</tbody>
</table>

*Source: National Assessment of Educational Progress, 2017 Percent of students proficient and above

**Source: Governor’s Office of Student Achievement Report Cards, 2017 High School Graduation Rate
Economic Impact of Georgia Non-Graduates
## Education Pays

### EDUCATIONAL ATTAINMENT & EMPLOYMENT

<table>
<thead>
<tr>
<th>Unemployment % Rate*</th>
<th>Feb 2018</th>
<th>Approx. Annual Earnings**</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>2.3%</strong> Bachelor’s Degree &amp; Higher</td>
<td>$66,456</td>
<td></td>
</tr>
<tr>
<td><strong>3.5%</strong> Some college/Associate Degree</td>
<td>$41,600</td>
<td></td>
</tr>
<tr>
<td><strong>4.4%</strong> HS Graduates, No College</td>
<td>$37,128</td>
<td></td>
</tr>
<tr>
<td><strong>5.7%</strong> Less than a High School Diploma</td>
<td>$27,612</td>
<td></td>
</tr>
</tbody>
</table>

**Source:** *U.S. Bureau of Labor Statistics Table A-4. Employment status of the civilian population 25 years and over by educational attainment.*  
**U.S. Bureau of Labor Statistics Table 5. Quartiles of usual weekly earnings of full-time wage and salary workers, approximation based on median earnings.
Compounded Impacts of High School Non-Completion

**INDIVIDUALS**

- Lower Lifetime Earnings
- Decreased health status; Higher mortality rates; More criminal activity
- Higher teen pregnancy rates; Single motherhood
- Less voting; Less volunteering

**THE COMMUNITY**

- Reduced buying power & tax revenues; less economic growth
- Higher health care & criminal justice costs
- Higher public services costs
- Low rate of community involvement

$160 million in additional income

$10.5 million in state and local tax revenue

$600 million on health-care cost savings

$260 million in home sales

Within 10 years – a new graduate who completes at least an associate’s degree will earn, on average, $15,600 more a year than a hs dropout.

Percent with public health insurance or no health insurance in 2015:
- 71% hs dropout
- 45% hs graduate

Source: Alliance for Excellent Education’s “The Graduation Effect” with support from State Farm; http://impact.all4ed.org/
Barriers to Economic Growth:
Adults Not Working, Ages 25-64

Compiled by Georgia Chamber of Commerce 2030, ACS 2015 5-Year estimates
Barriers to Economic Growth: Adults Without A High School Diploma

Compiled by Georgia Chamber of Commerce 2030, ACS 2015 5-Year estimates
Barriers to Economic Growth

- Poverty
- Adults Not Working
- No HS Diploma
Georgia Needs: The Economic Development Pipeline

60% of jobs in 2020 will require some higher education

48% of Georgians currently have a post-secondary degree

Goal: 250,000 new graduates by 2025

Source: Complete College Georgia, https://completega.org/
Georgia’s Future Workforce

1. Increasing academic rigor and expectations
   +

2. Changing demographics
   +

3. Increasing demand for highly skilled labor force

= Perfect Storm? Positive Collective Impact?
Economic Lifecycles

HOW DO WE MAINTAIN THE PIPELINE?

INSULATE THE PIPELINE!
What Can We Do?
Help Insulate the Pipeline

**Early Childhood**
- Read to children every day: “Talk with Me Baby”
- Encourage participation of your early learning centers: “Quality Rated”

**K – 12 System**
- Implement Georgia Vision Project recommendations on the local level
- Support “Get Georgia Reading Campaign”
- Leverage partnerships with business and post-secondary – internships and mentoring
- Consider dual enrollment high school/college

**Post Secondary**
- Provide internships/apprenticeships
- Participate and support: “Go Back. Move Ahead.”
- Promote adult literacy efforts
Aligning Educational Strategies for Collective Impact

Random Acts of Improvement

Partially Aligned Acts of Improvement

Aligned Acts of Improvement
Connect with us

Twitter: @GAPartnership

Facebook: Georgia Partnership for Excellence in Education

Instagram: @GAPARTNERSHIP

LinkedIn: Georgia Partnership for Excellence in Education

Website: www.gpee.org

PROGRAM SPONSOR:

GAS SOUTH