Calculating CCRPI Components

Applicable to 2018, 2019, and 2022 CCRPI Reports and 2020 and 2021 Data Files
The College and Career Ready Performance Index or CCRPI is a comprehensive school improvement, accountability, and communication platform for all educational stakeholders that will promote college and career readiness for all Georgia public school students.

- **Content Mastery**: Are students achieving at the level necessary to be prepared for the next grade, college, or career?
- **Progress**: How much growth are students demonstrating relative to academically-similar students?
- **Closing Gaps**: Are all students and all student subgroups making improvements in achievement rates?
- **Readiness**: Are students participating in activities preparing them for and demonstrating readiness for the next level, college, or career?
- **Graduation Rate**: Are students graduating from high school with a regular diploma in four or five years?

CCRPI as approved in Georgia’s ESSA Plan by US ED on January 19, 2018.
Content Mastery

- Achievement scores in English language arts, mathematics, science, and social studies
  - Utilize weights based on achievement level to incentivize moving all students to the next level:
    - Beginning Learners = 0 points
    - Developing Learners = 0.5 points
    - Proficient Learners = 1.0 point
    - Distinguished Learners = 1.5 points
  - Content areas for all three grade bands are weighted according to the number of state tests administered within each grade band.
  - Per Senate Bill 367, beginning in the 2020-2021 school year, the elementary social studies EOG and the Ninth Grade Literature and Composition, Geometry/Analytic Geometry, Physical Science, and Economics EOCs were eliminated.
-if the participation rate for all students or a subgroup of students falls below 95%, the achievement score for that group of students will be multiplied by the actual participation rate divided by 95%.

• This ensures the adjustment is proportional to the extent to which the 95% participation rate was not attained.

• The adjusted achievement score will be utilized in CCRPI calculations.

95% Assessment Participation Requirement

If the participation rate for all students or a subgroup of students falls below 95%:

\[
\text{Adjusted Achievement Score} = \frac{\text{Achievement Score} \times \frac{\text{Participation Rate}}{95\%}}{1}
\]
### Content Mastery Example

**Elementary School**

<table>
<thead>
<tr>
<th>Subject</th>
<th>Participation Rate</th>
<th>Beginning (%)</th>
<th>Developing (%)</th>
<th>Proficient (%)</th>
<th>Distinguished (%)</th>
<th>ELA Achievement Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELA</td>
<td>98%</td>
<td>18%</td>
<td>26%</td>
<td>44%</td>
<td>12%</td>
<td>75.00</td>
</tr>
</tbody>
</table>

Beginning: $18\% \times 0 = 0$

Developing: $26\% \times 0.5 = 13$

Proficient: $44\% \times 1 = 44$

Distinguished: $12\% \times 1.5 = 18$

**Mathematics**

<table>
<thead>
<tr>
<th>Subject</th>
<th>Participation Rate</th>
<th>Beginning (%)</th>
<th>Developing (%)</th>
<th>Proficient (%)</th>
<th>Distinguished (%)</th>
<th>Mathematics Achievement Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mathematics</td>
<td>92%</td>
<td>20%</td>
<td>32%</td>
<td>42%</td>
<td>6%</td>
<td>67.00</td>
</tr>
</tbody>
</table>

Beginning: $20\% \times 0 = 0$

Developing: $32\% \times 0.5 = 16$

Proficient: $42\% \times 1 = 42$

Distinguished: $6\% \times 1.5 = 9$

**Science**

<table>
<thead>
<tr>
<th>Subject</th>
<th>Participation Rate</th>
<th>Beginning (%)</th>
<th>Developing (%)</th>
<th>Proficient (%)</th>
<th>Distinguished (%)</th>
<th>Science Achievement Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>Science</td>
<td>95%</td>
<td>4%</td>
<td>14%</td>
<td>46%</td>
<td>36%</td>
<td>107.00</td>
</tr>
</tbody>
</table>

Beginning: $4\% \times 0 = 0$

Developing: $14\% \times 0.5 = 7$

Proficient: $46\% \times 1 = 46$

Distinguished: $36\% \times 1.5 = 54$

Note: Achievement scores are capped at 100.00

Participation Rate Adjustment:

$67.00 \times \left( \frac{92}{95} \right) = 64.88$

The content areas for all three grade bands are weighted according to the number of state tests administered within each grade band.

**Content Mastery**

$75.00 \times \left( \frac{3}{7} \right) + 64.88 \times \left( \frac{3}{7} \right) + 100.00 \times \left( \frac{1}{7} \right) = 74.2$
Content Mastery Example
Middle School

**ELA**
Participation Rate = 98%
- Beginning: 18% * 0 = 0
- Developing: 26% * 0.5 = 13
- Proficient: 44% * 1 = 44
- Distinguished: 12% * 1.5 = 18

ELA Achievement Score = 75.00

**Mathematics**
Participation Rate = 97%
- Beginning: 11% * 0 = 0
- Developing: 18% * 0.5 = 9
- Proficient: 47% * 1 = 47
- Distinguished: 24% * 1.5 = 36

Mathematics Achievement Score = 92.00

**Social Studies**
Participation Rate = 92%
- Beginning: 20% * 0 = 0
- Developing: 32% * 0.5 = 16
- Proficient: 42% * 1 = 42
- Distinguished: 6% * 1.5 = 9

Social Studies Achievement Score = 67.00

Note: Achievement scores are capped at 100.00

**Science**
Participation Rate = 97%
- Beginning: 4% * 0 = 0
- Developing: 14% * 0.5 = 7
- Proficient: 46% * 1 = 46
- Distinguished: 36% * 1.5 = 54

Science Achievement Score = 107.00

Participation Rate Adjustment:
- 67.00 * (92/95) = 64.88

Content Mastery = 75.00 * (3/8) + 92.00 * (3/8) + 100.00 * (1/8) + 64.88 * (1/8) = 83.2
# Content Mastery Example

### High School

## ELA

- **Participation Rate**: 98%
- **Beginning**: 18% \( \times 0 = 0 
- **Developing**: 26% \( \times 0.5 = 13 
- **Proficient**: 44% \( \times 1 = 44 
- **Distinguished**: 12% \( \times 1.5 = 18 

**ELA Achievement Score** = 75.00

## Mathematics

- **Participation Rate**: 97%
- **Beginning**: 11% \( \times 0 = 0 
- **Developing**: 18% \( \times 0.5 = 9 
- **Proficient**: 47% \( \times 1 = 47 
- **Distinguished**: 24% \( \times 1.5 = 36 

**Mathematics Achievement Score** = 92.00

## Science

- **Participation Rate**: 95%
- **Beginning**: 4% \( \times 0 = 0 
- **Developing**: 14% \( \times 0.5 = 7 
- **Proficient**: 46% \( \times 1 = 46 
- **Distinguished**: 36% \( \times 1.5 = 54 

**Science Achievement Score** = 107.00

## Social Studies

- **Participation Rate**: 92%
- **Beginning**: 20% \( \times 0 = 0 
- **Developing**: 32% \( \times 0.5 = 16 
- **Proficient**: 42% \( \times 1 = 42 
- **Distinguished**: 6% \( \times 1.5 = 9 

**Social Studies Achievement Score** = 67.00

**Note**: Achievement scores are capped at 100.00

**Participation Rate Adjustment**:  
\[ 67.00 \times \frac{92}{95} = 64.88 \]

**Content Mastery** =  
\[ 75.00 \times \frac{1}{4} + 92.00 \times \frac{1}{4} + 100.00 \times \frac{1}{4} + 64.88 \times \frac{1}{4} = 83.0 \]
Progress

- Progress scores in English language arts, mathematics, and progress towards English language proficiency (EL students)
  - Utilize weights based on level of growth to incentivize moving all students to the next level
  - ELA and mathematics will receive 90% of the weight, and progress towards English language proficiency will receive 10% of the weight

<table>
<thead>
<tr>
<th>ELA and Mathematics SGPs</th>
<th>EL Progress Towards Proficiency – ACCESS for ELLs</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SGP Range</strong></td>
<td><strong>Point Value</strong></td>
</tr>
<tr>
<td>1-29</td>
<td>0</td>
</tr>
<tr>
<td>30-40</td>
<td>.5</td>
</tr>
<tr>
<td>41-65</td>
<td>1</td>
</tr>
<tr>
<td>66-99</td>
<td>1.5</td>
</tr>
</tbody>
</table>
Progress Example

**ELA Progress Example**

<table>
<thead>
<tr>
<th>SGPs 1-29</th>
<th>14%</th>
<th>x 0 =</th>
<th>0</th>
</tr>
</thead>
<tbody>
<tr>
<td>SGPs 30-40</td>
<td>12%</td>
<td>x .5 =</td>
<td>6</td>
</tr>
<tr>
<td>SGPs 41-65</td>
<td>40%</td>
<td>x 1 =</td>
<td>40</td>
</tr>
<tr>
<td>SGPs 66-99</td>
<td>34%</td>
<td>x 1.5 =</td>
<td>51</td>
</tr>
</tbody>
</table>

**ELA Progress Score = 97.00**

**Progress Towards ELP**

| No positive movement | 10%   | x 0 = | 0   |
| Moved less than one band | 22%   | x .5 = | 11  |
| Moved one band | 50%   | x 1 = | 50  |
| Moved more than one band | 18%   | x 1.5 = | 27  |

**Progress Towards ELP Score = 88.00**

**Mathematics Progress Example**

<table>
<thead>
<tr>
<th>SGPs 1-29</th>
<th>20%</th>
<th>x 0 =</th>
<th>0</th>
</tr>
</thead>
<tbody>
<tr>
<td>SGPs 30-40</td>
<td>18%</td>
<td>x .5 =</td>
<td>9</td>
</tr>
<tr>
<td>SGPs 41-65</td>
<td>44%</td>
<td>x 1 =</td>
<td>44</td>
</tr>
<tr>
<td>SGPs 66-99</td>
<td>18%</td>
<td>x 1.5 =</td>
<td>27</td>
</tr>
</tbody>
</table>

**Mathematics Progress Score = 80.00**

**Progress =** 97.00 x (45%) + 80.00 x (45%) + 88.00 x (10%) = 88.5
Closing Gaps

- CCRPI achievement improvement targets will be calculated individually for all schools and districts (all students and each subgroup of students)
  - Improvement Target = (100 – baseline\textsubscript{2017}) x 0.03
- Sets an expectation of improvement or maintenance of high achievement for all students and provides an opportunity for schools to demonstrate improvement
- Improvement targets will also be calculated for graduation rates and EL progress towards English language proficiency but they will not be included in Closing Gaps

<table>
<thead>
<tr>
<th>Subgroup Performance:</th>
<th>Improvement Flag:</th>
<th>Closing Gaps Points:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Met the 6% target</td>
<td>🌟</td>
<td>1.5</td>
</tr>
<tr>
<td>*Available ONLY for ED, EL, SWD subgroups</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Met the 3% target</td>
<td>🟢</td>
<td>1.0</td>
</tr>
<tr>
<td>Improved but did not meet the 3% target</td>
<td>🟠</td>
<td>0.5</td>
</tr>
<tr>
<td>Did not improve</td>
<td>🟥</td>
<td>0</td>
</tr>
</tbody>
</table>
## Closing Gaps Example

<table>
<thead>
<tr>
<th>Category</th>
<th>ELA</th>
<th>Mathematics</th>
<th>Science</th>
<th>Social Studies</th>
</tr>
</thead>
<tbody>
<tr>
<td>All students</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>American Indian/Alaskan Native</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Asian/Pacific Islander</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Black</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hispanic</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Multi-Racial</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>White</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Economically Disadvantaged</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>English Learners</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Students With Disability</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Flag Count

- **Red**
  - Count: 7
  - Calculation: $7 \times 0 = 0$

- **Yellow**
  - Count: 7
  - Calculation: $7 \times 0.5 = 3.5$

- **Green**
  - Count: 11
  - Calculation: $11 \times 1 = 11$

- **Green (6%)**
  - Count: 3
  - Calculation: $3 \times 1.5 = 4.5$

### Closing Gaps

$$\text{Closing Gaps} = \left( \frac{19}{28} \right) \times 100 = 67.9$$
Readiness

- Elementary and middle school readiness focus on foundational skills such as literacy, attendance, and enrichment beyond the traditional core.

- In high school, literacy and attendance continue to be critical of post-secondary readiness. Students should also participate in accelerated learning opportunities – academic or technical; complete a pathway; and demonstrate college and career readiness.

- Readiness indicators are weighted equally.

DEFINING READINESS

- Early grades: Foundational skills and concepts
- Later grades: Multiple paths to succeed by expanding opportunities and personalizing learning
- Graduates are college and/or career ready
- Life-long learning
# Readiness

## CCRPI Readiness Indicators

### Elementary School

**Literacy:** Percent of students in grades 3-5 demonstrating reading comprehension at or above the midpoint of the College & Career Ready “Stretch” Lexile Band for each grade level.

**Student Attendance:** Percent of students in grades K-5 absent less than 10% of enrolled days.

**Beyond the Core:** Percent of students earning a passing score in fine arts, world language, or computer science.

### Middle School

**Literacy:** Percent of students in grades 6-8 demonstrating reading comprehension at or above the midpoint of the College & Career Ready “Stretch” Lexile Band for each grade level.

**Student Attendance:** Percent of students in grades 6-8 absent less than 10% of enrolled days.

**Beyond the Core:** Percent of students earning a passing score in fine arts, world language, physical education/health, career exploratory, or computer science.
**Readiness**

**CCRPI Readiness Indicators**

**High School**

**Literacy:** Percent of students in 9th Grade Literature and American Literature demonstrating reading comprehension at or above the midpoint of the College & Career Ready “Stretch” Lexile Band for each course.

**Student Attendance:** Percent of students in grades 9-12 absent less than 10% of enrolled days.

**Accelerated Enrollment:** Percent of 12th graders earning credit for accelerated enrollment via Dual Enrollment, Advanced Placement, or International Baccalaureate courses.

**Pathway Completion:** Percent of 12th graders completing an advanced academic, CTAE, fine arts, or world language pathway.

**College and Career Readiness:** Percent of 12th graders entering TCSG/USG without needing remediation; achieving a readiness score on the ACT, SAT, two or more AP exams, or two or more IB exams; passing a pathway-aligned end of pathway assessment (EOPA) resulting in a national or state credential; or completing a work-based learning program.
Readiness Example
Elementary/Middle School

**Elementary School**

- **Literacy**: Percent of students in grades 3-5 demonstrating reading comprehension at or above the midpoint of the College & Career Ready “Stretch” Lexile Band for each grade level.  
  - 70.00%

- **Student Attendance**: Percent of students in grades K-5 absent less than 10% of enrolled days.  
  - 90.00%

- **Beyond the Core**: Percent of students earning a passing score in fine arts, world language, or computer science.  
  - 95.00%

**Readiness** = 70.00 x (33.3%) + 90.00 x (33.3%) + 95.00 x (33.3%) = 84.9

**Middle School**

- **Literacy**: Percent of students in grades 6-8 demonstrating reading comprehension at or above the midpoint of the College & Career Ready “Stretch” Lexile Band for each grade level.  
  - 70.00%

- **Student Attendance**: Percent of students in grades 6-8 absent less than 10% of enrolled days.  
  - 90.00%

- **Beyond the Core**: Percent of students earning a passing score in fine arts, world language, physical education/health, career exploratory, or computer science.  
  - 95.00%

**Readiness** = 70.00 x (33.3%) + 90.00 x (33.3%) + 95.00 x (33.3%) = 84.9
Readiness Example
High School

**Literacy:** Percent of students in 9th Grade Literature and American Literature demonstrating reading comprehension at or above the midpoint of the College & Career Ready “Stretch” Lexile Band for each course.

68.00%

**Student Attendance:** Percent of students in grades 9-12 absent less than 10% of enrolled days.

91.00%

**Accelerated Enrollment:** Percent of 12th graders earning credit for accelerated enrollment via Dual Enrollment, Advanced Placement, or International Baccalaureate courses.

72.00%

**Pathway Completion:** Percent of 12th graders completing an advanced academic, CTAE, fine arts, or world language pathway.

89.00%

**College and Career Readiness:** Percent of 12th graders entering TCSG/USG without needing remediation; achieving a readiness score on the ACT, SAT, two or more AP exams, or two or more IB exams; passing a pathway-aligned end of pathway assessment (EOPA) resulting in a national or state credential; or completing a work-based learning program.

74.00%

\[
\text{Readiness} = 68.00 \times (20\%) + 91.00 \times (20\%) + 72.00 \times (20\%) + 89.00 \times (20\%) + 74.00 \times (20\%) = 78.8
\]

Accelerated Enrollment will be benchmarked at the 75th percentile of school performance (2018).
Graduation Rate

- High schools only
- Includes both the four-year and five-year adjusted cohort graduation rate
- Emphasizes graduating in four years while placing value on continuing to work with and graduate students who need more time
- The four-year graduation rate will be worth 2/3 of the points and the five-year graduation rate will be worth 1/3 of the points
Graduation Rate Example

4-year adjusted cohort graduation rate
84.60%

5-year adjusted cohort graduation rate
88.50%

Graduation Rate = 84.60 x (2/3) + 88.50 x (1/3) = 85.9
Scoring and Reporting

• Consistent with state law (O.C.G.A. § 20-14-33), the overall CCRPI score will be reported on a 0-100 scale.

• The minimum N size for an indicator or component to be reported and included in CCRPI is 15.

• To increase ease of understanding and interpretation, each CCRPI indicator and component will also be reported on a 0-100 scale.

• The maximum score for an indicator or component is 100.

• Components will be weighted and combined according to the weights defined in the table to the right to determine the overall CCRPI score.

<table>
<thead>
<tr>
<th></th>
<th>Elementary</th>
<th>Middle</th>
<th>High</th>
</tr>
</thead>
<tbody>
<tr>
<td>Content Mastery</td>
<td>30%</td>
<td>30%</td>
<td>30%</td>
</tr>
<tr>
<td>Progress</td>
<td>35%</td>
<td>35%</td>
<td>30%</td>
</tr>
<tr>
<td>Closing Gaps</td>
<td>15%</td>
<td>15%</td>
<td>10%</td>
</tr>
<tr>
<td>Readiness</td>
<td>20%</td>
<td>20%</td>
<td>15%</td>
</tr>
<tr>
<td>Graduation Rate</td>
<td>--</td>
<td>--</td>
<td>15%</td>
</tr>
</tbody>
</table>
Scoring Example
Elementary/Middle School

<table>
<thead>
<tr>
<th>Category</th>
<th>Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>Content Mastery</td>
<td>83.2</td>
</tr>
<tr>
<td>Progress</td>
<td>88.5</td>
</tr>
<tr>
<td>Closing Gaps</td>
<td>67.9</td>
</tr>
<tr>
<td>Readiness</td>
<td>84.9</td>
</tr>
<tr>
<td>Graduation Rate</td>
<td>N/A</td>
</tr>
</tbody>
</table>

CCRPI Score = 83.2 x (30%) + 88.5 x (35%) + 67.9 x (15%) + 84.9 x (20%) = 83.1
Scoring Example
High School

<table>
<thead>
<tr>
<th>Metric</th>
<th>Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>Content Mastery</td>
<td>83.0</td>
</tr>
<tr>
<td>Progress</td>
<td>88.5</td>
</tr>
<tr>
<td>Closing Gaps</td>
<td>67.9</td>
</tr>
<tr>
<td>Readiness</td>
<td>78.8</td>
</tr>
<tr>
<td>Graduation Rate</td>
<td>85.9</td>
</tr>
</tbody>
</table>

CCRPI Score = 83.0 x (30%) + 88.5 x (30%) + 67.9 x (10%) + 78.8 x (15%) + 85.9 x (15%) = 82.9
CCRPI

- Content Mastery
  - English language arts achievement
  - Mathematics achievement
  - Science achievement
  - Social studies achievement

- Progress
  - English language arts growth
  - Mathematics growth
  - Progress towards English language proficiency (EL students)

- Closing Gaps
  - Meeting achievement improvement targets

- Readiness
  - Elementary: Literacy, student attendance, beyond the core
  - Middle: Literacy, student attendance, beyond the core
  - High: Literacy, student attendance, accelerated enrollment, pathway completion, college and career readiness

- Graduation Rate
  - High School Only
    - 4-year adjusted cohort graduation rate
    - 5-year adjusted cohort graduation rate