Graduation Requirements

English/Language Arts 4
Math 4
Science 4
Social Studies 3
Career, Technical & Agricultural Education, &/or Modern Language/Latin &/or Fine Arts 3
Health & Physical Education 1
Electives 4
Total Units 23

Four year public high school located 19 miles northwest of Atlanta
Total enrollment approximately 2,100
One of 16 high schools in Cobb County School District
A diverse student body made up of students from over 60 countries
Two unique program offerings

→ The Center for Advanced Studies in Science, Math and Technology
A 4 year Magnet program housed within Wheeler High School.
Admission is through a selective application process based on middle school grades, standardized test scores and teacher recommendations. Refer to page 4 for detailed information.

→ AVID
Supports students in their academics and helps them build study habits and a mindset that will allow them to pursue and succeed in advanced academic courses. Refer to page 4 for detailed information.

CEEB & ETS Code: 112010

Counselors

A-G - Jacquelyn Edwards
Jacquelyn.Edwards@cobb12.org

O - Z & STEAM - Erica Dailey
Erica.Dailey@cobb12.org

H-N & AVID - Jasmine Cotson
Jasmine.Cotson@cobb12.org

Dual Enrollment - Kara Mills
Kara.Mills@cobb12.org

Magnet - Sumana Moudgal
Sumana.Moudgal@cobb12.org

Special Projects - Myrel Seigler
Myrel.Seigler@cobb12.org

School Information

School Day
Four Block Classes per Semester
18 Weeks per Semester
Total School Year: 2 Semesters, 178 Days

Graduation Requirements

<table>
<thead>
<tr>
<th>Subject</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>English/Language Arts</td>
<td>4</td>
</tr>
<tr>
<td>Math</td>
<td>4</td>
</tr>
<tr>
<td>Science</td>
<td>4</td>
</tr>
<tr>
<td>Social Studies</td>
<td>3</td>
</tr>
<tr>
<td>Career, Technical &amp; Agricultural Education, &amp;/or Modern Language/Latin &amp;/or Fine Arts</td>
<td>3</td>
</tr>
<tr>
<td>Health &amp; Physical Education</td>
<td>1</td>
</tr>
<tr>
<td>Electives</td>
<td>4</td>
</tr>
<tr>
<td>Total Units</td>
<td>23</td>
</tr>
</tbody>
</table>

National Merit

43 Students in the Class of 2019 were awarded National Merit Recognition

Senior Project

All Seniors complete a mandatory Research Project in English classes, consisting of four components: research paper, physical product, portfolio, and oral presentation.
### Grading System & Rank

**Class Rank**

Class rank is cumulative for four years and weighted according to the level of the curriculum. All courses and all students are calculated in the class rank.

**Grading Scale**

Grade Point Average (GPA) is computed on a 4.0 scale, with an extra quality point given for AP courses and Post-AP courses. An extra 0.5 quality point is given for magnet and honors level classes.

- A = 90-100
- B = 80-89
- C = 74-79
- D = 70-73
- F = 69 & below

Quality points for Non-Weighted Courses:

- A=4, B=3, C=2, D=1, F=0

### Magnet STEM & STEAM

Magnet students are required to choose either a STEM or STEAM Track. All Magnet Freshman complete either Magnet Foundations or Foundations of Engineering followed by either 3 more Technology courses (STEM Track) or 2 more Technology and 2 Fine Arts courses (STEAM Track).

**Magnet Technology Options**

- **Architectural Drawing & Design Pathway**
  - Intro to Engineering Drawing & Design
  - Architectural Drawing and Design I
  - Architectural Drawing and Design II
  - Structural Detailing
  - Civil Engineering Drawing

- **Engineering Graphics & Design Pathway**
  - Intro to Engineering Drawing & Design
  - Survey of Engineering Graphics
  - 3D Modeling Analysis
  - Technical Manufacturing & Concepts

- **Computer Science Pathway**
  - Intro to Digital Technology
  - Computer Science Principles
  - AP Computer Science Principles
  - AP Computer Science A

- **Engineering & Technology Pathway**
  - Foundations of Engineering & Technology
  - Engineering Concepts
  - Engineering Applications
  - Engineering R&D

- **Sports & Entertainment Marketing Pathway**
  - Marketing Principles
  - Intro to Sports & Entertainment Marketing
  - Advanced Sports & Entertainment Marketing

### Magnet Fine Arts Options

**Music**

- Band
- Chorus
- Orchestra
- AP Music Theory

**Drama**

- Acting I, II, III
- Adv Drama, Play Production
- Technical Theatre I, II, III, IV
- Musical Theatre

**Visual Arts**

- Basic Visual Arts
- Drawing & Painting I, II
- Ceramics I, II
- Graphic Arts I, II, III
- Photography I, II
- AP Studio Art, 2D, 3D, Drawing

### GPA

**Cumulative Grade Distribution for the Class of 2018**

<table>
<thead>
<tr>
<th>Grade</th>
<th>Number of Students</th>
</tr>
</thead>
<tbody>
<tr>
<td>Highest Weighted GPA</td>
<td>4.735</td>
</tr>
<tr>
<td>Lowest Weighted GPA</td>
<td>1.565</td>
</tr>
<tr>
<td>Average Weighted GPA</td>
<td>3.197</td>
</tr>
<tr>
<td>Highest Un-weighted GPA</td>
<td>4.0</td>
</tr>
<tr>
<td>Lowest Un-weighted GPA</td>
<td>1.565</td>
</tr>
<tr>
<td>Average Un-weighted GPA</td>
<td>3.019</td>
</tr>
</tbody>
</table>

### Transcript Legend (Non-Wheeler Courses)

- CVA - Cobb Virtual Academy
- GV - Georgia Virtual
- DE - Dual Enrollment

### Advanced Curriculum

Due to the level of difficulty, some Wheeler courses receive extra weight in calculating a student's grade point average (GPA). Additional quality points are calculated into the overall GPA and are not reflected in the numerical averages.

**Honors Courses (H)**

- Honors Biology
- Honors Chemistry
- Honors Physics
- Honors World Lit/Comp
- Honors Forensic Science
- Honors Anatomy/Physiology
- Honors Calculus
- Accelerated CCGPS Coordinate Algebra/Analytic Geometry A
- Geometry B/Advanced Algebra
- Accelerated CCGPS Precalculus

- *No bonus quality point awarded
- **One bonus quality point awarded

**Magnet Courses (M)**

- Magnet Biology
- Magnet Biochemistry
- Magnet Chemistry
- Magnet Foundations*
- Advanced Aerospace Engineering

- *No bonus quality point awarded
- Foundations of Engineering may be substituted as an alternative.

**AP Courses**

- AP Statistics
- AP Calculus AB
- AP Calculus BC
- AP Biology
- AP Chemistry
- AP Physics 1 & 2
- AP Physics C: Mechanics
- AP Physics C: E&M
- AP Environmental Science
- AP Psychology
- AP English Lit/Composition
- AP English Lang/Composition
- AP Computer Science Principles

- AP Human Geography
- AP US History
- AP Government
- AP World History
- AP European History
- AP Micro/Macro Econ
- AP Spanish Language
- AP French Language
- AP Art History
- AP Computer Science A

**Post AP Courses**

Require at least one AP course as a prerequisite. Focus on application of concepts learned in AP Courses.

- 1 bonus quality point awarded

**Dual Enrollment Courses Taught on Wheeler Campus**

- Georgia Tech Linear Algebra
- Georgia Tech Multivariable Calculus
- Georgia Tech Genetics

**Wheeler High School**
### Class of 2017 SAT

<table>
<thead>
<tr>
<th>Region</th>
<th>Reading &amp; Writing</th>
<th>Math</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wheeler</td>
<td>579</td>
<td>574</td>
<td>1153</td>
</tr>
<tr>
<td>Cobb Cty</td>
<td>554</td>
<td>534</td>
<td>1088</td>
</tr>
<tr>
<td>Georgia</td>
<td>535</td>
<td>515</td>
<td>1050</td>
</tr>
</tbody>
</table>

### Class of 2017 ACT

<table>
<thead>
<tr>
<th>Region</th>
<th>Eng</th>
<th>Math</th>
<th>Read</th>
<th>Science</th>
<th>Composite</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wheeler</td>
<td>25</td>
<td>24.7</td>
<td>25.1</td>
<td>26.1</td>
<td>25.1</td>
</tr>
<tr>
<td>Cobb Cty</td>
<td>21</td>
<td>20.9</td>
<td>22</td>
<td>21.3</td>
<td>21.4</td>
</tr>
<tr>
<td>Georgia</td>
<td>20.3</td>
<td>20.7</td>
<td>21.4</td>
<td>21</td>
<td>21</td>
</tr>
<tr>
<td>Nation</td>
<td>20.3</td>
<td>20.7</td>
<td>21.4</td>
<td>21</td>
<td>21</td>
</tr>
</tbody>
</table>

### AP Scores (Exam Scores from May 2018)

<table>
<thead>
<tr>
<th>AP Subject</th>
<th>Total Exams</th>
<th>Average Score</th>
<th>% Passing</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music Theory</td>
<td>4</td>
<td>4.5</td>
<td>100%</td>
</tr>
<tr>
<td>English Language &amp; Composition</td>
<td>140</td>
<td>3.63</td>
<td>88%</td>
</tr>
<tr>
<td>English Literature &amp; Composition</td>
<td>44</td>
<td>2.84</td>
<td>66%</td>
</tr>
<tr>
<td>Human Geography</td>
<td>72</td>
<td>3.55</td>
<td>78%</td>
</tr>
<tr>
<td>Macroeconomics</td>
<td>34</td>
<td>4.06</td>
<td>88%</td>
</tr>
<tr>
<td>Microeconomics</td>
<td>33</td>
<td>4.09</td>
<td>94%</td>
</tr>
<tr>
<td>Psychology</td>
<td>53</td>
<td>3.39</td>
<td>77%</td>
</tr>
<tr>
<td>European History</td>
<td>15</td>
<td>2.87</td>
<td>60%</td>
</tr>
<tr>
<td>United States Government &amp; Politics</td>
<td>35</td>
<td>3.91</td>
<td>97%</td>
</tr>
<tr>
<td>United States History</td>
<td>142</td>
<td>3.5</td>
<td>82%</td>
</tr>
<tr>
<td>World History</td>
<td>102</td>
<td>3.44</td>
<td>82%</td>
</tr>
<tr>
<td>Calculus AB</td>
<td>10</td>
<td>1.6</td>
<td>20%</td>
</tr>
<tr>
<td>Calculus BC</td>
<td>119</td>
<td>4.13</td>
<td>97%</td>
</tr>
<tr>
<td>Computer Science A</td>
<td>42</td>
<td>3.40</td>
<td>86%</td>
</tr>
<tr>
<td>Computer Science Principles</td>
<td>158</td>
<td>3.58</td>
<td>92%</td>
</tr>
<tr>
<td>Statistics</td>
<td>68</td>
<td>4.09</td>
<td>94%</td>
</tr>
<tr>
<td>Biology</td>
<td>51</td>
<td>3.82</td>
<td>90%</td>
</tr>
<tr>
<td>Chemistry</td>
<td>82</td>
<td>3.02</td>
<td>65%</td>
</tr>
<tr>
<td>Environmental Science</td>
<td>45</td>
<td>3.66</td>
<td>84%</td>
</tr>
<tr>
<td>Physics 1</td>
<td>113</td>
<td>2.29</td>
<td>38%</td>
</tr>
<tr>
<td>Physics 2</td>
<td>32</td>
<td>2.69</td>
<td>56%</td>
</tr>
<tr>
<td>Physics C: Electricity &amp; Magnetism</td>
<td>21</td>
<td>3.14</td>
<td>62%</td>
</tr>
<tr>
<td>Physics C: Mechanics</td>
<td>50</td>
<td>3.68</td>
<td>84%</td>
</tr>
<tr>
<td>French Language &amp; Culture</td>
<td>1</td>
<td>3.0</td>
<td>100%</td>
</tr>
<tr>
<td>Latin</td>
<td>3</td>
<td>1.33</td>
<td>0%</td>
</tr>
<tr>
<td>Spanish Language &amp; Culture</td>
<td>9</td>
<td>4.78</td>
<td>100%</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>1361</strong></td>
<td><strong>3.38</strong></td>
<td><strong>76.15%</strong></td>
</tr>
</tbody>
</table>

### Scholarship Information

**Class of 2018**

- **$3,971,344** in total scholarships awarded (not including HOPE or Zell Miller Scholarships)
- **210 HOPE Scholarship eligible graduates**

### Post High School Plans

**Class of 2018**

- **55%** 4 Year College
- **20%** 2 Year College
- **10%** Technical College
- **3%** Military
The Center for Advanced Studies in Science, Math and Technology Magnet Program

Wheeler High School established its AVID Program in Fall 2017. AVID is a national program designed for students who have a desire to go to college and the willingness to work hard, but many of them do not truly have the opportunity to be college-ready. These are often the students who will be the first in their families to attend college and are from groups traditionally underrepresented in higher education.

AVID provides support to help these students succeed on a path to college and career success. AVID students take an AVID Elective course, which is reflected on their transcript. For one period a day, students receive the additional academic, social, and emotional support that will help them succeed in their school’s most rigorous courses.

Magnet Coordinator, Dr. Cheryl Crooks • Program Advisor, Stacy Regitsky • Counselor, Sumana Moudgal

- Founded in 2000, The Center for Advanced Studies offers a unique and advanced curriculum in science, math, and technology to Cobb County high school students and exists as a "school within a school.”
- Admission into the Magnet program is highly competitive. Approximately 20 to 30 percent of applicants are accepted each year.
- Students are evaluated for admission based on standardized test scores, grades and teacher recommendations.
- There are currently 526 students in the program and 133 students in the Class of 2019. 60% Male, 40% Female
- Magnet students are required to take Magnet Biology and Magnet Chemistry in 9th grade, AP Physics I in 10th grade, two additional Magnet, AP or Post AP Science courses and Advanced Scientific Internship and Research.
- The Magnet Program has gained STEM Certification from the State of Georgia as well as STEAM Certification from the State of Georgia.
- Students must maintain a grade of 3.0 or higher in all Magnet Math and Science Classes in order to remain in good standing in the program. Students who do not meet this expectation are placed on academic probation and may subsequently be removed from the program if grades do not improve.

<table>
<thead>
<tr>
<th>9th Grade</th>
<th>10th Grade</th>
<th>11th Grade</th>
<th>12th Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Math</td>
<td>Acc Algebra I/Geometry A &amp;/or Acc Geometry B/ Algebra II or Honors Geometry &amp; Honors Algebra II</td>
<td>Acc Pre-Calculus or Pre-Calculus</td>
<td>AP Statistics or AP Calculus AB &amp; BC or Honors Calculus</td>
</tr>
<tr>
<td>Social Studies</td>
<td>(Optional) Honors World Geography or AP Human Geography</td>
<td>Honors or AP World History</td>
<td>Honors or AP U.S. History</td>
</tr>
<tr>
<td>English</td>
<td>Honors 9th Lit</td>
<td>Honors World Lit</td>
<td>AP Language/Honors American Lit or Honors American Lit</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>Foreign Language I or Honors Foreign Language II or III</td>
<td>Honors or AP Foreign Language Electives (Optional)</td>
<td>Honors or AP Foreign Language Electives (Optional)</td>
</tr>
<tr>
<td>Technology &amp; Fine Arts</td>
<td>Magnet Foundations/AP Computer Science Principles</td>
<td>Approved Technology or Fine Arts Course 1 &amp;/or 2</td>
<td>Approved Technology or Fine Arts Course 2 &amp;/or 3</td>
</tr>
<tr>
<td>Physical Education</td>
<td></td>
<td></td>
<td>Health/BPE</td>
</tr>
</tbody>
</table>

Magnet Internship & Research

Every graduating magnet senior is required to complete our Post AP Scientific Internship and Research courses which are taken together as a 3 hour pair. Students participate in an advanced internship with a mentor at an off-site research center or business. Students must spend a minimum of 100 hours at their internship site during the semester.

Throughout their internship, students are required to frame and execute independent research related to what is learned at their internship and create a documented, juried, in-depth research paper. The mentors help guide the students in the research process.

At the conclusion of this capstone experience, students prepare and deliver a comprehensive presentation to faculty, mentors, community members and peers.

Non-Magnet students can take these courses if they have met the pre-requisites and space is available.

STEM or STEAM Requirement

All students complete a Magnet STEM or STEAM track.

STEM track - 4 Magnet approved Technology classes
STEAM track - 2 Magnet approved Technology courses and 2 Magnet approved Fine Arts courses

AVID Program

Wheeler currently has 67 students in the AVID Program. Below are the demographics for Wheeler’s AVID Program:

<table>
<thead>
<tr>
<th>Gender</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>70% Female</td>
<td></td>
</tr>
<tr>
<td>30% Male</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Ethnicity</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>49% African-American</td>
<td></td>
</tr>
<tr>
<td>1.5% Asian</td>
<td></td>
</tr>
<tr>
<td>40% Hispanic</td>
<td></td>
</tr>
<tr>
<td>8% White</td>
<td></td>
</tr>
<tr>
<td>1.5% Multi Racial</td>
<td></td>
</tr>
</tbody>
</table>