



#### Purpose

*Drew Charter School serves as a key component of the cradle-to-college pipeline within the holistic East Lake neighborhood revitalization. Appreciating our unique status as a mixed-income school, Drew Charter School's primary purpose is to provide an excellent education to all children living in the Villages of East Lake so that each student reaches his or her full potential and is launched on a pathway to health, impact and prosperity.*

#### Vision

*Drew students are equipped with the knowledge, skills, and passion to create positive change in the world.*

#### Mission

*Drew is an exemplary, innovative education community that empowers all students to achieve their full potential.*

#### Philosophy

*Drew's approach is based on the belief that every child has gifts and talents that must be discovered and nurtured. All students are consistently encouraged to strive to do their best so they may reach their highest potential. A Drew education is one that supports strong intellectual, physical, social, and emotional growth.*

#### School Norms

*Show Respect, Act Responsibly, Honor Trust, Present Professionally*

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**Course Title: AP Computer Science Principles**

**Term and Year: 2022-2023**

**Room #: A319**

**Teacher: Ms. Jazmyne Mangham**

**Office Hours (Tutorial): 1:20-2:10pm M-F and by appointment**

**Teacher Emails: [jazmyne.mangham@drewcharterschool.org](mailto:jazmyne.mangham@drewcharterschool.org)**

**Prerequisites (if applicable): N/A**

**Required Text(s): N/A**

**Additional Resources: We will provide all required resources for this course outside of normal school supplies.**

**Course Goals and Objectives:**     *Students taking this course will:*

1. Be introduced to coding
2. Learn and apply functions and abstractions
3. Understand and create algorithms
4. Build Apps

**Learning Outcomes  
and Weights:**

Knowledge and Thinking – 25%  
Written Communication – 10%  
Oral Communication – 10%  
Agency – 30%  
Collaboration – 25%

#### **Knowledge and Thinking**

The ability to reason, problem-solve, develop sound arguments or decisions, and create new ideas by using appropriate sources and applying the knowledge and skills of a discipline

#### **Written Communication**

The ability to effectively communicate knowledge and thinking through writing by organizing and structuring ideas and using discipline appropriate language and conventions

#### **Agency**

The ability to develop and reflect on a growth mindset as well as demonstrate ownership over one's learning



### **Collaboration**

The ability to be a productive member of diverse teams through strong interpersonal communication, a commitment to shared success, leadership and initiative

### **Oral Communication**

The ability to communicate knowledge and thinking through effective oral presentations

<b>Grading Scale:</b>	A 90 – 100	C 70 – 79
	B 80 – 89	F below 70

**Assessment Types:** You will be assessed on your project work mainly. Projects will be broken down into smaller chunks for manageability. Each chunk will be assessed separately. Additional assessments will include warm up activities, quizzes, tests, design journaling, and written assessments, and drawings.

**Course Changes:** The course syllabus provides a general plan for this course. The teacher reserves the right to make changes to the syllabus, including changes to assignments, projects, case studies, examinations, and so forth, in order to accommodate the needs of the class as a whole and to fulfill the goals of the course.

**Project/Unit Calendar:** This is a year-long course. The following subjects will be covered:

- I. Coding Concepts
- II. Functions and Abstractions
- III. Creating Algorithms
- IV. App Development

**Course Materials and Grading:** You can expect to access the course materials and grades via Google Classroom. Students should check Google Classroom regularly, as course changes will always be announced and recorded on the course Google Classroom site.

**Communication** I want to have face-to-face conversations with you, when possible. However, we may need to communicate via other channels.

**It is requested that each student and parent join this course's Remind101 Account. Add yourself by texting: @d7ek7h3 to 81010.**

I prefer that you contact me via Remind101 for most situations. Expect me to respond within 48 hours to your message if I am unable to respond immediately. Please make sure you include your name/your child's name when you contact me. Communications received after 4 pm usually will be returned by the next day. On the weekend or when I am away from campus (i.e., at a conference), my response is irregular.

### **Learning Outcomes and Assessments**

Some examples of learning outcome assessments are listed below:

<b>Learning Outcomes</b>	<b>Assessment Tools</b>
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<ul style="list-style-type: none"><li>• Knowledge and Thinking</li></ul>	<ul style="list-style-type: none"><li>• Quizzes and tests in Google Classroom or Mastery Connect</li></ul>
<ul style="list-style-type: none"><li>• Written Communication</li></ul>	<ul style="list-style-type: none"><li>• Short answer responses and research notes in G Suite</li></ul>
<ul style="list-style-type: none"><li>• Oral Communication</li></ul>	<ul style="list-style-type: none"><li>• Presentations, One on one discussions, Group and class share outs</li></ul>
<ul style="list-style-type: none"><li>• Collaboration</li></ul>	<ul style="list-style-type: none"><li>• PBL Group project rubric</li></ul>
<ul style="list-style-type: none"><li>• Agency</li></ul>	<ul style="list-style-type: none"><li>• Graded Rubric</li></ul>

**Senior Academy Norms:** You are expected to adhere to the Norms at all times during this course.

- 1) **Honor Trust**
- 2) **Show Respect**
- 3) **Act Responsibly**
- 4) **Present Professionally**

For more specific information please refer to the Senior Academy Student and Parent Handbook. All students are expected to adhere to the guidelines set forth in the Senior Academy Student and Parent Handbook.

**Attendance:** Daily class activities and collaborative work time is crucial to your success in the class. If you are absent, it is your responsibility to turn in any homework or missed class assignments and make up any quiz or test before or after school within three days of your absence.



**Late Assignments:** Assignments that are handed in late will receive a point deduction. Any assignments turned in more than one week late will not be accepted at all.

**Quizzes:** Quizzes will be given without notice on an as needed basis to assess content knowledge and understanding. These quiz grades will fall under Knowledge and Thinking.

**Pathway Course Overview:** Pathway Courses at Drew Senior Academy allow students to explore and then specialize in areas of their interest. All students must take pathway courses, and Pathway coursework is a requirement for promotion and graduation. Expect Pathway courses to match or exceed core courses in rigor and workload. This rigor provides you the opportunity to gain a specialized skill from your consistent work throughout your Pathway. Pathway courses build upon each other, therefore it is a requirement that students take the pathway courses in order. A pathway completion is marked by three credits of a specific Pathway. Pathway completions are expected by college admissions experts. Students of Drew Senior Academy have the ability to specialize in multiple areas and to complete as many as four Pathways in addition to their core coursework.

If you are absent for whatever reason, you can visit our class site

<https://sites.google.com/drewcharterschools.org/computer-science> to check for missing work, due dates, important information, and so much more. Please, utilize all of the resources that are available.

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**Detach and return to Class Friday Jul 29, 2022**  
**Syllabus Acknowledgement**

**Student Acknowledgement:**

I \_\_\_\_\_ have read and understand the expectations outlined within this syllabus.

\_\_\_\_\_  
**Signature**

\_\_\_\_\_  
**Date**

**Parent Acknowledgement:**

I \_\_\_\_\_ have read and understand the expectations for my child outlined within this syllabus.

\_\_\_\_\_  
**Signature**

\_\_\_\_\_  
**email address**

\_\_\_\_\_  
**preferred contact number**