

# Pre- AP Computer Programming 1



Instructor: Ms. Popkin      Room A107

Phone: 682-314-1605

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Student and Parents/Guardian(s),

I am extremely excited to have you in class this year. This letter will provide basic information that will allow you to be successful. Please read over it carefully and share it with your parents/family. Keep it with you for future reference.

A major key to thriving students is teacher/parent/family/student communication. I want to help all of my students prosper in this class, preparing them for life after high school by encouraging them to strive for excellence. With parental/family help by providing encouragement and support at home, I believe each student can achieve his or her maximum potential. Please feel free to call me (682-314-1605) at school and leave a message or email [kashiekapopkinduncan@misdmail.org](mailto:kashiekapopkinduncan@misdmail.org) if you or your parents have any questions. My conference period is from 9:35 to 10:20 AM daily; please give 24-hour notice when possible.

Grades via the internet at: <http://mansfieldisd.org/skyward.htm>

## **COURSE DESCRIPTION**

This course is designed to introduce students to the exciting teach beginning concepts and skills associated with computer programming as prescribed by the Texas Essential Knowledge and Skills requirements for Computer Programming I. Most all work will be done in class. We will study computer science with an emphasis on the "high level" programming languages like Java and C++. We will begin working in a 2D graphical, object-oriented environment called "Jeroo". Our second area of study will be in a graphical development environment called "Processing". Students will program in Java to produce graphical output where they can "see" their algorithms at work. The final portion of the semester will be spent studying and programming in C++ or in a Java environment called "GreenFoot" to learn basic computer science concepts and applications. We will also do reports with presentations and other projects as time permits.

All three of the proposed learning environments; Jeroo, Greenfoot and JCreator are free and student my download them at home.

## **INSTRUCTIONAL MATERIALS INFORMATION**

The course will primarily utilize computer-based or teacher provided materials and development environments. Some curriculum will be available to the students at home. Other resources, such as a class set of textbooks, will be provided as needed. The student should have a pen or pencil and notebook paper available every day for class. Students will be responsible for reimbursing MISD for any lost books.

**NOTEBOOKS** - are required and should hold the following in an organized manner with labeled tabs: Class notes, handouts, returned work (quizzes, problem sets, etc.) The student must retain returned work for study purposes or settling any grading discrepancies. On some occasions, students may get to use their notebook materials on a quiz/test.

## TENTATIVE COURSE CALENDAR

<b>Major Projects/Tests</b>	<b>Week(s)</b>
<b>Why Study Computer Science</b>	<b>1</b>
Computer Science Intro & Jeroo Unit <ul style="list-style-type: none"> <li>• High Level Language</li> <li>• Class, Object, IDE</li> <li>• Methods – Quiz</li> <li>• Software system life cycle</li> <li>• Unit Test</li> </ul>	
<b>Programming Structures</b>	<b>2-3</b>
Jeroo Basics <ul style="list-style-type: none"> <li>Program creation</li> <li>Jeroo Environment &amp; resources</li> <li>Program concepts and definitions</li> <li>Structure: Main, Methods, Comments</li> </ul>	
<b>Jeroo Program Skills Units</b>	<b>4-5</b>
Control Structures <ul style="list-style-type: none"> <li>If/Else, decisions</li> <li>Loops – using while</li> <li>Truth tables, &amp;&amp;,   , !</li> </ul>	
<b>Jeroo Project</b>	<b>5-6</b>
Intro. to Program design <ul style="list-style-type: none"> <li>Propose, Design, Implement, Test, Evaluate, Present</li> </ul>	
<b>GreenFoot Basics</b>	<b>6-7</b>
GreenFoot Environment & resources <ul style="list-style-type: none"> <li>Drag, click, drop development</li> <li>Program types</li> <li>Object Oriented Programming</li> </ul>	
<b>GreenFoot Advanced Skills</b>	<b>8-9</b>
Input <ul style="list-style-type: none"> <li>Game development</li> <li>Decisions, Loops</li> <li>Object Oriented Programming/Inheritance</li> <li>Advanced topics</li> </ul>	
<b>GreenFoot Game Project/Final Team Project</b>	<b>9-10</b>
Software Development Process <ul style="list-style-type: none"> <li>• Project/design process and life cycle</li> <li>• Storyboarding</li> <li>• Logical thinking</li> <li>• Project management – timeline</li> </ul>	
<b>Java Basics/JCreator</b>	<b>11-13</b>
<ul style="list-style-type: none"> <li>• Java standard environment</li> <li>• Input/Output</li> </ul>	

- Math, Control, Loops
- Advanced Java
- Methods
  - Arrays

14-16

***The schedule is tentative and subject to change depending on the progress of the class.***

**CERTIFICATIONS**- This course does not have any certifications.

**ASSESSMENT POLICY** – Each six weeks will be evaluated as follows:

**Major: Test/Project .....40%**  
**Daily: Class Activities/Quizzes/Labs .....60%**

**According to District Policy, the three six weeks grading periods will be averaged together for 80% of the overall grade with the Semester Exam representing 20% of the overall grade for the semester.**

**POSTING GRADES** - Student grades will be posted in Skyward parent portal within five business days for daily grades and major grades. Special consideration should be given to major projects, including lengthy writing assignments and late work turned in by students.

**GRADING PERCENTAGES** –

A	90-100
B	80-89
C	70-79
F	Below 70

**CLASSROOM EXPECTATIONS**

Both you and I will abide by these policies as well as those established by the Mansfield ISD school board policies

- **Respect**
  - for yourself – come to class prepared with your materials and assignments; be dressed and groomed so that it will not be necessary during class.
  - for others – classmates are learning and I am directing that learning, so distracting behavior will not be acceptable
  - for your environment – no food, drinks, or other pollutants (i.e., perfume, sprays)
  - for property – clean up after yourself and be careful with items that are placed in your care
- **Responsibility** – taking care of assignments and other business at appropriate times
- **Reliability** – be prepared and on time for class

**ABSCENCES/TARDIES** – It is your responsibility to get any information missed if absent or tardy. This includes and is not limited to warm-ups, vocabulary, notes and assignments. If you miss a test or quiz, you will have one week from the date of assessment to make it up; otherwise, the grade will remain a zero, per district policy. 1<sup>st</sup> Tardy- warning, 2<sup>nd</sup> Tardy- student conference, 3<sup>rd</sup> Tardy- parent conference, 4<sup>th</sup> Tardy – office referral, 5<sup>th</sup>

Tardy – office referral and detention, 6<sup>th</sup> Tardy – office referral and two detentions, 7<sup>th</sup> Tardy – office referral and ISS, 8<sup>th</sup> Tardy – office referral and two days of ISS and 9<sup>th</sup> Tardy and more – office referral and multiple days of ISS.

### **LATE WORK**

- Teacher designates due date and time for assignment (Beginning of class period, End of class period, designated time of day)
- If student fails to meet the due date and time, then the student has until the next class period (next A day or B day) to turn in assignment to be considered one day late.
- Students will be assessed a penalty of 30% points for up to one class period late.
- Score of a zero may be given for work turned in after one day late.

### **MAKEUP WORK** (because of absence for any class missed)

Per MISD High School Student Handbook:

- The teacher may assign the student makeup work based on the instructional objectives for the subject or course and the needs of the individual student in mastering the essential knowledge and skills or in meeting subject or course requirements.
- A student will be responsible for obtaining and completing the makeup work in a satisfactory manner and within the time specified by the teacher. When absent, the student is afforded the number of days missed plus one additional day to turn in makeup work. [A/B Block Example: A student misses Monday and Tuesday of the week and he/she returns on Wednesday of that same week. Student work from Monday's absence is considered late after Friday, and student work from Tuesday's absent is considered late after the following Monday.]
- A student who does not make up assigned work within the time allotted by the teacher will receive a grade of zero for the assignment.
- A student is encouraged to speak with his/her teacher if the student knows of an absence ahead of time, including absences for extracurricular activities, so that the teacher and student may plan any work that can be completed before or shortly after the absence.
- A student will be permitted to make up tests and turn in projects due in any class missed because of absence. Teachers may assign a late penalty to any long-term project in accordance with time lines approved by the principal and previously communicated to students.
- See UIL Eligibility ("No Pass/No Play") guidelines for additional information related to grades and UIL Eligibility.

### **TEST RETAKES**

- Students who fail a major test/assessment (below 70%) will be allowed to retake or correct up to a 70% grade. This does not include semester examinations.
- Students are expected to make arrangements with the teacher to retake or correct a major test/assessment.
- Students are encouraged to participate in tutoring opportunities before retaking a test.
- Each teacher will communicate routine requirements for retakes and corrections in his/her course syllabus.
- All retakes or corrections must be completed prior to the end of each six week grading period unless the student is afforded time, after the six week grading period, as a result of the district's absent/make-up guidelines.
- See UIL Eligibility ("No Pass/No Play") guidelines for additional information related to grades and UIL Eligibility.

## **WEIGHTED CREDIT**

- Per MISD Board Policy EIC (LOCAL):
- The District uses a weighted numerical grading system. In calculating GPA, ten points (per semester) shall be added to a student's average in Advanced Placement (AP) courses, Pre-AP courses, Academic Decathlon, and courses considered to be District-approved college level dual credit courses. All other courses shall not receive weighted points for completion.
- No weighted credit point shall be added for grades lower than 70.
- Weighted grading shall be reflected in the student's GPA and not numerically per course on either the student's report card or transcript.

## **UIL ELIGIBILITY ("No Pass/No Play")**

- Semester grades are computed by averaging the numerical grades recorded for each of the three six-week reporting periods.
- Each six-week grading period will stand alone for eligibility purposes.
- A student who is declared academically ineligible after a six-week grading period will be able to regain eligibility if all of the student's grade averages are 70% or higher at the subsequent 3-week grade reporting period.
- See MISD Board Policy FM (LOCAL) – Exempt Courses.

**TUTORIALS** – *It is your responsibility to let me know that you are in need of help.* It is very important to not fall behind. Tutorial times will be set on an individual basis. Tuesday and Thursday (3:30-4:30) are currently my standard days; please give 24 hour notice if you plan to come for tutoring or you need to set a special time/day

## **ACADEMIC DISHONESTY**

Teachers determine what constitutes cheating and/or plagiarism.

### **Consequences for academic dishonesty**

#### **Daily Work**

- Every Offense
  - Academic and Disciplinary Consequences
  - Assign grade of zero
  - Write a referral
  - Teacher contacts parents
  - Consequence from administrator would be a minimum of AC placement

#### **Exams or Other Major Assessments**

- Every Offense
  - Academic and Disciplinary Consequences
  - Assign grade of zero
  - Write a referral
  - Teacher contacts parents
  - Consequence from administrator would be a minimum of AC placement
  - An alternative exam or major assessment can be completed for a maximum grade of 70%
  - Academic Associate is notified and will schedule a meeting with student, parent and teacher

**PARENTS**, after carefully reading the information in this letter, please complete the confirmation page. Confirmation page is due no later than **Friday, August 23, 2019**. To access the confirmation page please click the following link <https://goo.gl/forms/XO38J2WxXAtTfjRa2>. Upon receiving the confirmation page your student will receive 100 points. If you would like to keep up with the class schedule and announcements, please join me on the remind app. To do so follow the instructions provided on the next page. Let us make this an outstanding year!

Sincerely,

*K. Popkin-Duncan*

Kashieka Popkin-Duncan, PhD

# Classroom Norms

1. Students are in the classroom when the bell rings.
2. Students sign in at table by the door. This is how attendance is taken. It is your responsibility.
3. Students sit at their chosen computers and are not allowed to use other computers unless specifically directed to by the instructor.
4. Backpacks, purses and other large items must be left on the floor under computer workstation.
5. Cell phones and iPads are **not** allowed during class unless for designated instructional use per District Policy.
6. Computers are to be left in the same configuration as found. **NO CHANGES!** Remember these are not your home computers and the district is watching.
7. No outside storage devices are to be used in the computer lab.
8. No food/drink is allowed in the computer lab.
9. Printing – Some assignments may be printed to a central network printer. Students should preview work before printing. Any printing of items not pertaining to this class requires specific permission from the instructor.
10. Five minutes before the end of class students are to:
  - Return all materials to the appropriate location.
  - Leave workstation, including chair, area clean and ordered for the next session.
  - Shut down your workstation, if/when directed by teacher.

I have received and read the **Pre-AP Computer Programming 1** Course Syllabus, the Classroom Expectations and the Classroom iPad Usage and Security Policy. I agree to abide by all these standards.

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Student Name (printed)

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Student Signature

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Parent or Guardian Name (printed)

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Parent or Guardian Signature

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Parent or Guardian Phone Number

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Parent or Guardian email address