



## CROCUS PLAINS REGIONAL SECONDARY SCHOOL COURSE OUTLINE AND ASSESSMENT GUIDE

Course Name: Advanced Placement Computer Science COM42S

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**Course Description:** Students will continue to use JAVA to work towards meeting the requirements for a University level credit. Students will be offered the opportunity to write the AP® CollegeBoard Exam in May. Students who choose not to write this exam may be given a project to complete. There is a final exam in this course for ALL students to obtain their COM42S credit.

**Text/Other Resources:** Internet access; Java; Netbeans

### General Learning Outcomes

- use independent research skills to help solve problems
- program using acceptable industry standards

### Specific Learning Outcomes

- **Using Objects and Methods**
  - Input, output, variables, assignments, casting, methods, Math class, Strings
- **Selection and Iteration**
  - Algorithms, Boolean expressions, loops, ifs
- **Class Creation**
  - Anatomy of a class
- **Data Collections**
  - Arrays, text files, wrapper classes, arraylists, 2D array, searching, sorting, recursion

### Assessment Plan

Formative Assessment Complete several projects using Java during class time and in a timely manner.

Summative Assessment Tests, Final Exam in June

Possible exam for the College Board in May

### Evaluation

Term Work..... 70%

- Classwork (20%)
- Tests (50%)

Final Assessment ..... 30%

- Final Exam

*Continued on reverse*

### Very Important Notes

- ❖ There is a significant amount of class time allocated to working on projects. Due to the nature of AI in today's classroom, the expectation is that you can be observed doing the work yourself, for the most part.
- ❖ Checkpoints are due at the time of the checkpoint. It may be accepted the next day, but after that it will not be accepted. That is the purpose of a checkpoint. They may be unannounced. Unexcused absences result in a **zero** grade.
- ❖ Completed projects will be accepted up to 2 calendar days after the due date. After that they will not be accepted. We need to move on, not focus on the old material.
- ❖ Marks may be deducted for late projects
- ❖ Missed tests are the responsibility of the student, not the teacher. Students will have 2 classes to make accommodations for missing the test and after that a **zero** grade will be awarded.
- ❖ Tests will be frequent and possibly unannounced. The expectation is that you are keeping up with the work and ready at all times for the material at hand.