# SYLLABUS

Honors Statistics

Class Description

This is an introduction course into statistical concepts. It focuses on frequency distributions of empirical data, calculations of descriptive statistics, probability distributions, confidence intervals, hypothesis testing, regression, and correlation.

#### NEEDS AND RESOURCES

### **Suggested Materials**

### To successfully complete this course, you may need

* Math notebook/paper for notes
* Math Folder or Binder
* Calculator

### COURSE SCHEDULE

We will spend about five weeks on each topic based on the classes understanding. These are the following general topics:

Exploring and Understanding Data

Exploring Relationships Between Variables

Gathering Data

Randomness and Probability

From the Data at Hand to the World at Large

#### POLICIES AND PROCEDURES

**General Rules:**

* Three main rules are Honor God, Be Respectful, and Be Prepared for class.
* Cheating will not be tolerated. Cheating is fully explained in the High School Handbook. If caught cheating the student will earn a zero for the assignment (any assignment, even a test, quiz, or project), an out-of-school suspension, and a zero on all assignments during the suspension. This includes other teachers catching cheating on homework assignments. **Mr. Skeels does not have to be the one catching you cheat.** If another teacher or administrator notifies Mr. Skeels of cheating then the same rules apply.
* Tardies are fully explained in the High School Handbook. Tardies will be marked by Mr. Skeels in a binder. The student will be warned when they have 2 tardies. Every tardy thereafter will result in a detention. Every quarter the tardies reset. A tardy is when a student is late to class, or **when a student leaves class to get required materials.**
* School rules on Electronic Devices are laid out in the High School Handbook. **No laptop**s are to be used in class. Special cases will be discussed per student for note taking purposes only. Ipads will only be used for note taking.
* The hands up rule applies to everyone. Hands up rule is: at anytime during class Mr. Skeels can say “hands up” and everyone must put their hands up off their notes, laptop or ipad. If you put your hands down without his permission you get an automatic detention. This is used to ensure people are using their technology appropriately.
* Cell phones are allowed to be on the students. However if Mr. Skeels sees it out or hears it then he will take the cell phone and notify the parents by the end of the day. **Then the parents must come into school and get the phone from Mr. Skeels**. If cell phones become a constant problem the student will be referred to Mr. Kempton.
* Headphones are not allowed at any time in school.
* It is assumed that each student will be in proper dress code while in class and also **in the hallway**. The Dress Code is spelled out in the High School Handbook. Mr. Skeels will give a warning about dress code but then after that he will give a detention. **This includes untucked shirts**.
* It is assumed that each student will exhibit a positive and professional attitude, attend every class, be on time and have completed required assignments, and actively contribute in a positive manner in classroom activities and discussions
* There are times when there are exceptions to the rules. When a class activity or a class project need internet or the use of some technology then at that time the students can use it at the teachers discretion.
* Late homework/projects: Late homework will be accepted. However each day it is missing it will be 20% off the given grade. After 5 days late it will not be accepted. This means at the end of the quarter you cannot turn in late assignments and get any credit. If a project is late, after the first day it will be 10% off the grade. If it is 2 days late it will be 50% off the final grade. No project will be accepted after 2 days late.

**Grading Policies:**

Grading will be percentage based. This means that each part of the class will be broken into a percentage of your final grade. It will be as follows:

Tests: 45%

Quizzes: 35%

Homework: 10%

Projects/ 10%

Participation:

**Grading Scale:**

H 97 - 100%

H- 94 - 96%

A 90 - 93%

A- 87 - 89%

B+ 85 - 86%

B 82 - 84%

B- 80 - 81%

C+ 78 - 79%

C 75 - 77%

C- 73 - 74%

D+ 71 - 72%

D 67 - 70%

D- 65 - 66%

F Below 65%

#### ADDITIONAL INFORMATION

All schools rules will apply in class as well. Therefore, if there are any problems or issues, you can check your student handbook for school guidelines. If there is ever an issue in class or a student feels they are falling behind it is the student’s responsibility to approach the teacher for extra help. The teacher is available for extra help after school, at lunchtime, during 4th period, and before school most days.

The class website will be updated a minimum of 3 days per week. Most weeks it will be updated daily. There are many different things you can find on there. The homework and when test and quizzes are will be there. We will be writing in forums on the website. When writing on the forums, it is assumed everyone will use proper grammar and appropriate language. **Mr. Skeels reserves the right to punish students for inappropriate language and talk on his website.** The website will also have extra help assignments if students are falling behind. Some notes but not all of them will also be posted on the website.

#### CONTACT INFORMATION

* Email: [skeels@toledochristian.com](mailto:skeels@toledochristian.com)
* Teacher Website: <http://skeelsmathclass.weebly.com>
* School Phone: 419-389-8700
* Class Website: <http://skeelsstats.weebly.com>

Student Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_

Parent Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_