# Math Models 2024-2025 Mr. T. Foster, room 407

**Class Syllabus M. R Wood Center for Learning**

Welcome to Math Models! This is one of the many important mathematics courses you will take in high school. The foundation you built in Algebra I and Geometry will help you with every other mathematics course you take, including this one. The most important thing to remember is that you must keep up every day. Participate in class, do your homework and don’t be afraid to ask questions!

### Course Overview

### In this course, students use algebraic, graphical, and geometric reasoning to recognize patterns and structure to model information and solve problems. Students will model and solve real-life problems involving money, data, chance, patterns, music, design, and science. Students will use a variety of representations, tools, and technology to link modeling techniques with mathematical concepts to solve applied problems.

### Textbook

Math Model Application, 2012

### Supplies

* Binder for notes
* \*\*\*Calculators ARE FURNISHED by FBISD

**Strategies for Success**

1. Be respectful – Respect yourself, your classmates and Mr. Foster.
2. Be on time – Be in your seat before the bell rings. You are tardy if you are not seated when the bell rings.
3. Be prepared – Bring your completed homework and your bind.
4. Be organized – Keep your calendar and notebook updated and organized.
5. Be present – We will move steadily all year – missing class can really set you behind!
6. Be resourceful – Ask questions, use online resources and come to tutorials when necessary.

### Course Outline

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| --- | --- |
| 1st  Grading  Period | Modeling with Linear Functions |
| Financial Modeling |
| 2nd  Grading Period | Exponential Models |
| Quadratic Models and Variation |
| 3rd  Grading  Period | Similarity and Transformations |
| Right Triangles and Trigonometry |
| Probability Models |
| 4th  Grading  Period | Probability Models |
| Statistical Models |
| Statistical Studies |

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### \*\*\*Tutorials are NOT offered at M. R Wood

### Grading Policy

50% Major Grades – including Major Tests and Projects

50% Daily Grades – including Homework, Quizzes and Warm-Ups

ALL grades at M. R. Wood will transfer with each student, BACK TO their home campus.

### Homework

Homework will be rarely assigned and must be ready to turn in when requested.

Good homework habits = success!

### Late and Missing Work

Late homework may be turned in one day late for less credit.

### Makeup Work

Each student is responsible for checking the calendar and making up any missed work.

If you are absent on the day of an announced test, you will be required to make up that test during class upon your return.

### Contact Information

The easiest way to contact me is by email. Please email me any time you have a question or concern. I will respond to you as soon as possible.

Email: tony.foster@fortbendisd.gov

Phone: 281-634-8620 (Classroom) // Always leave message, phone does NOT ring during school hours.

Conference Time: 2:15 to 2:45 p.m. **BY APPOINTMENT ONLY**

### Student/Family Access (Online Gradebook for Students and Parents)

### Fort Bend ISD allows parents to access up-to-date student information including grades using Family Access. The website link is <http://www.fortbendisd.com/departments/technology/family-access>

### I strongly encourage both parents and students to use this tool to track grades and communicate with teachers. I will use the Message Center in Family Access to send information like test notices, reviews, etc. to students and parents throughout the year. Please make sure your email addresses are correct in Family Access so that you can receive this information.