Welcome to AP Stats!

Mr. Molesky
Lakeville South High School

WHAT IS STATISTICS?

- Statistics is the science of data...
  - Data are numbers with a context.
- We will study four major themes this year:
  - Collecting Data - Surveys, Studies, and Experiments
  - Describing Data - Graphical and Numerical Analysis
  - Probability - The Study of Chance Behavior
  - Inference - Making Conclusions Based on Data

THE AP EXAM

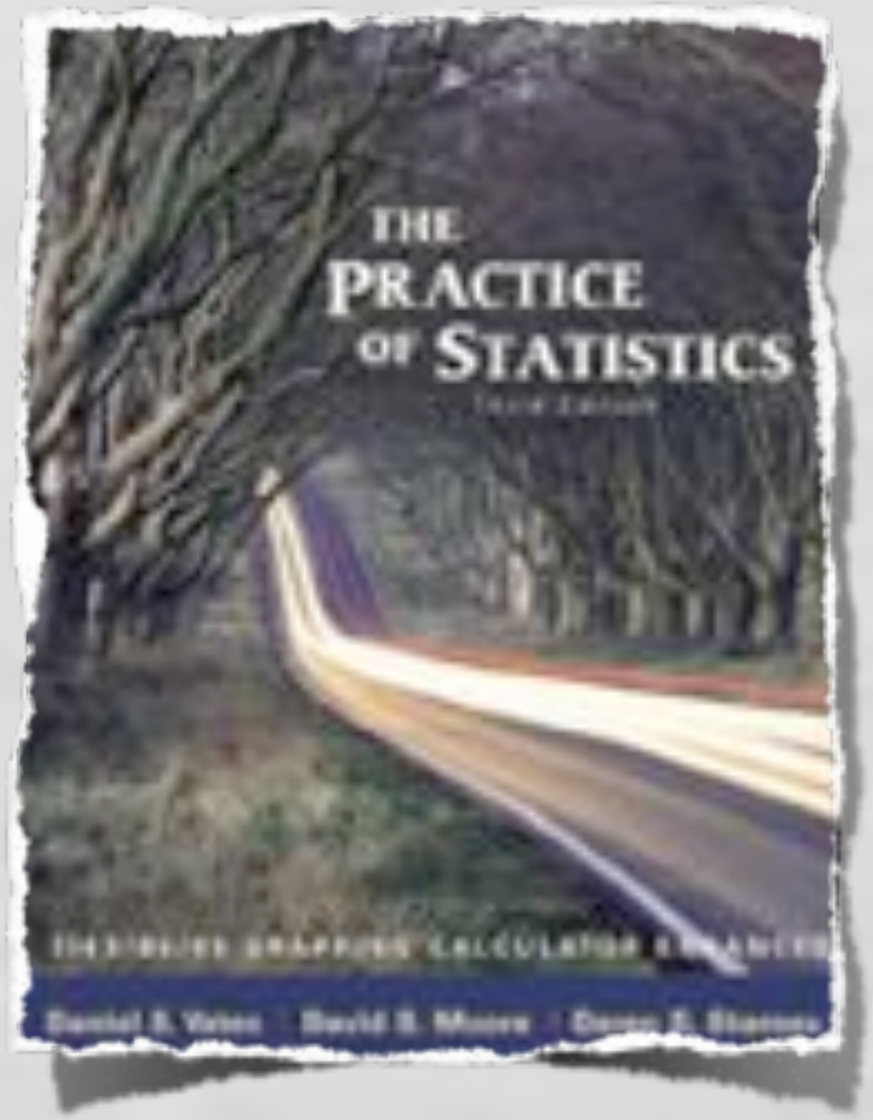
- I will be preparing you for the Advanced Placement Statistics Exam taking place on Tuesday, May 6, 2008.
  - 3 hours -- 40 Multiple Choice Questions, 5 Free-Response Questions, 1 "Investigative Task"
- You CAN be successful on this exam IF you put forth the effort ALL YEAR LONG.
  - I will provide you with LOTS of preparation materials as well as insight from the grading of the exam.
  - I need you to provide the effort...

WHAT DO YOU NEED?

- You will need the following items for this course:
  - Graphing Calculator - Required (*TI83+/84+ recommended*)
  - Notebook - 2 or 3 subject, college-ruled
  - Binder - 1.5” for tables, handouts, notes, etc.
  - Pencil, pen, highlighter
  - Strong work ethic and a willingness to ask for help!

YOUR TEXTBOOK

- "*The Practice of Statistics, 3e*" by Yates, Moore, Starnes
  - Read It
  - Study It
  - Use It
  - Take Care of It - Cover It!
  - Bring it every day...



YOUR BOOK CARD

LAST, FIRST

AP STATS

BOOK #

PER .....

MATH COURSE LAST YEAR

FUTURE PLANS/MAJOR

SOMETHING UNIQUE/
INTERESTING ABOUT
YOURSELF

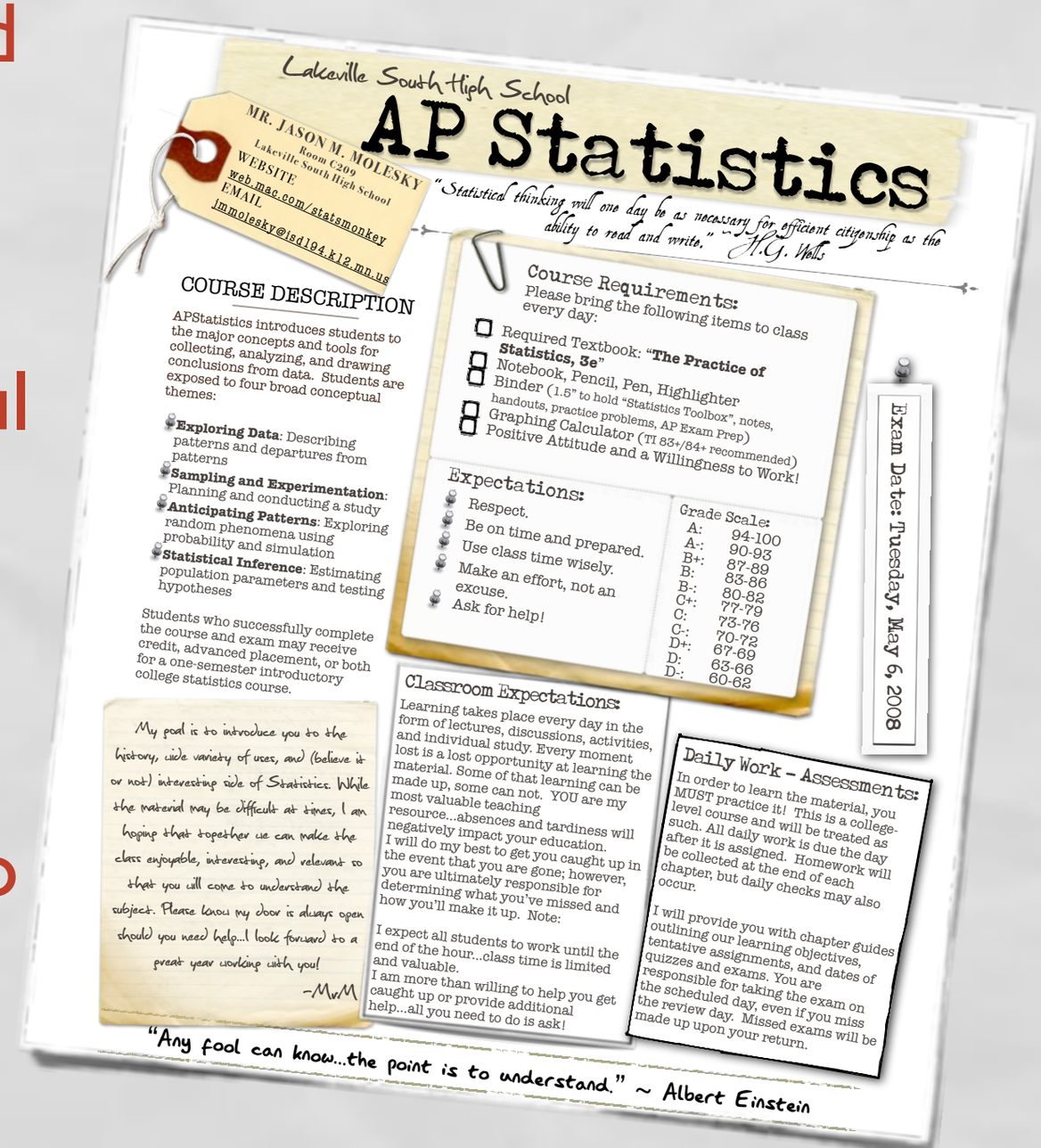
- We'll check the books out in the Media Center.
- Please fill out your book card with the following information.

COURSE WEBSITES

- Class Website:
  - web.mac.com/statsmonkey
  - Notes, Handouts, etc.
- Textbook Website:
  - bcs.whfreeman.com/tps3e
  - Resources, Applets, Quizzes

SYLLABUS-EXPECTATIONS

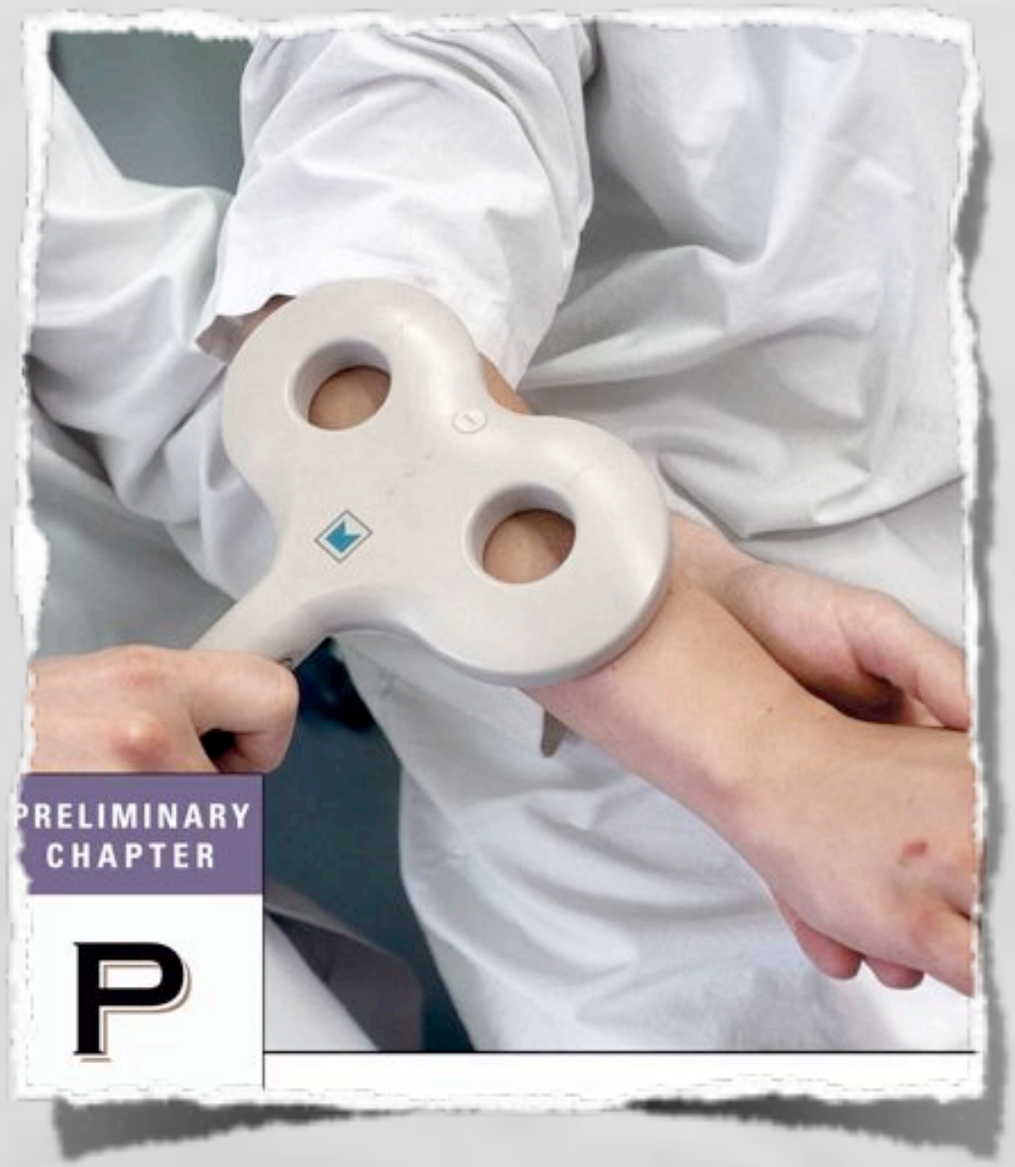
- My goal is for you to understand Statistics and how it plays a role in your current and future life.
- My hope is you will be successful in the course and earn a passing score on the AP Exam.
- My expectation is that you will put forth the effort necessary to be successful in a college-level course.



LET'S TALK STATS...

- A claim has been made that students who study while listening to Mozart perform better on exams than students who listen to other music or no music at all.
- How could we test this claim?
  - How would you gather, analyze, and use data to study this?

HOMEWORK



- Cover your book.
- Read the "Case Study" and Introduction to the Preliminary Chapter.
- *See You Tomorrow!*