

# Tour de Technology!



# Tour Overview



- Our tour of technology is actually paralleled with the Tour de France
- As we embarked on our journey, we learned and completed stages of learning, just as the riders completed stages in the Tour de France.

# Stage 1



- We began our journey *laptop computers* researching the Tour de France on the *internet*.
- We were able to gather our own information on individual. (*which we should keep!!*)
- We recorded data from each stage including distance, time, and terrain conditions.

## Stage 2



- Calculating our speed was easy using a "new" program called Microsoft Excel.
- To do this, we had to learn how to set up cells to make a table.
- In order to calculate the speed, from time and distance, we learned how to create a function.
- After we created an accurately working table, we entered our collected data.

# Stage 3



- To see how the terrain effected the speed of the riders, we entered our data into the *TI 83 graphing calculators.*
- This gave an overall picture of the riders speeds.
- The process of our stage entailed:
  - entering data lists
  - adjusting window setting and scale
  - selecting which list to graph
  - then analyzing the resulting graph.





# Stage 4



- Again, we turn to the internet to find a real good map of France.
- Once we found the map we sketched different routes using the interactive program on the Promethean Board, using the special pens.

# Stage 5



- We found the perfect picture to use for the outline of our map.
- All of us participated in hand drawing the route of the riders.



# Stage 6



- We were introduced to a program called Stella.
- Sliders were our tools to model the effects of terrain on the riders speed.
- The components of our model factored in terrain, speed, and distance to calculate the riders finish time.

# Stage 7



- It was fun using a digital camera to take pictures along the way.
- It was quick, easy, and convenient to use.

# Stage 8



- Our final stage was creating our power point presentation.
- Step by step we experimented with various effects and designs.
- We reviewed all of what we experienced and learned.
- Together as a team we completed the task!
- After our exhausting tour, our minds are sharper, our knowledge is stronger, and our challenge is complete!

# Special thanks to:



- CMST program for lending us the laptops.
- Ms. Reynolds, Mr. Iacchetta, and Mrs. Hastings for helping us with the challenge.
- P.S.
- We really should keep the computers and graphing calculators!