Things I'd like you to learn

10. How do we construct simple stellar models?

9. What are some current areas of research about stars?

8. What are the different states of matter inside stars?

7. How is energy transported in stars?

6. How is energy generated in stars?

5. Observationally, how do we know what we know about stars?

4. When are certain key approximations valid?

3. How do stars of different masses form, evolve, and die?

2. What are typical masses, temperatures, ages, etc. of stars?

... and the #1 thing I hope you learn:

1. How do we simplify and analyze inherently complicated problems?