Genetics and Traits- Who is Gregor Mendel?

Working with one partner, do a research on Gregor Mendel. Use the questions below to guide your search. Make sure to rely on trusted websites (no Wikipedia, Yahoo answers, ask.com…). Once you finish, prepare a one-page illustrated summary to share with the rest of the class.

1. Who was Gregor Mendel? Where did he do his experiments?
2. Why did he work with pea plants?
3. Describe how he conducted his experiments (crossing-over, self-pollination, etc.)
4. Pick two of the following traits Mendel tested. Explain the results with 1st generation and 2nd generations. Compare the results. Which traits were dominant? How did he figure this out?
* Green peas v yellow peas
* Purple flowers v white flowers
* Wrinkled peas v round peas
* Tall plant v short plant
1. Summarize Mendel’s main conclusions about law of segregation, law of independent assortment, traits and inheritance.
2. Apply Mendel’s conclusions to a specific trait in your family.