

## Genetics R & D program

**Objective:** In your R & D group research your assigned topic and essential question and develop a presentation to share with the other R&D groups.

The DV genetics division has assigned you a research area dealing with genetics (see your managing director) that is of the upmost importance to understand and share with others in the division. Each R&D team while complete the following:

1. Research all aspect of your topic (see below & book section)
2. Develop some type of **concise** presentation that **involves** and informs the other R&D teams
3. Use essential question in development (see book section question)

### Genetic R & D areas

9.8 Family pedigrees (pg. 161)	9.18 Chromosome theory of inheritance (pg. 171)
9.9 Single gene & inherited disorders (pg. 162)	9.19 Genes on the same chromosome tend to be inherited together (pg. 172)
9.12 Incomplete dominance (pg. 166)	9.20 Crossing over produces new combinations of alleles (pg. 172)
9.14 single gene affects many phenotypes – pleiotropy (pg. 168)	9.21 Crossing over used to map genes (pg. 174)
9.15 Polygenic inheritance (pg. 169)	9.24 Sex-linked disorders affect mostly males (pg. 177)
9.16 Nature vs. Nurture- environments affects (Pg. 170)	
9.17 Genetic testing detects disease-causing alleles (pg. 170)	

We must evaluate your performance on this assignment so this [rubric](#) has been developed just for that purpose make good use of it in your preparation and bring it with you on presentation day. Good luck