

# Monday, February 24, 2014

Unit: Genetics

Lesson 26

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## Big Ideas

Genetic information is passed from parent to offspring.

Living things change over time: Evolution

Living things are alike yet different

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## Objectives

1. Students will be able to use their knowledge of genotype, phenotype, and punnett square analysis to complete an internet genetics review handout.
2. Students will be able to compare and contrast how dihybrid crosses are similar to monohybrid crosses.

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## Materials

Science Notebooks

Science books

Internet Genetics Sheet

Colored Pencils

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## Procedures/Strategy

1. Students will enter the classroom and take down the I can statements in their notebooks. Teacher will go over the statements as objectives of the day, preparing the students for the busy lab day.
2. Activation of prior knowledge (Engage): Check in from last week.
  - Did you like the labs?
  - Are their remaining questions?
  - Prep for Internet genetics lab.
3. Explore: Internet Genetics Lab.
  - Directions given in direct instructions
    - More work up front means less confusion later--be explicit for students!
  - Materials at the front of the room

4. Explain: Follow up post lab sheet
  - Students to complete the post lab independently or with their partner. To be discussed next class or at the end of class pending time.
5. Elaborate: Review Tomorrow
  - Review day for test this week.

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### Content Vocabulary

Genetics	Purebred	Trait
Dominant Allele	Hybrid	Allele
Recessive Allele	Gene	
Heredity	Fertilization	

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### Evaluation

1. Formative
  - Discussion (observe/listen), Think/Pair/Share Feedback, Post Lab
2. Summative
  - N/A

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### Extensions/Next Steps

- Individual attention to students who are struggling with punnett squares. Pull students during study hall if necessary.
- Next Lesson: Internet Genetics Day 2
- Homework: Review for test this week. Vocabulary due Tuesday.