# Assignment Sheet 2015

# Mendelian Genetics and Meiosis Chapters 11 and 14

# A Level

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Block \_\_\_\_\_\_\_\_

### Expected Performances

* *Use the Punnett Square technique to predict the distribution of traits in mono- and di- hybrid crossings.*
* *Explain how meiosis contributes to the genetic variability of organisms.*
* *Deduce the probable mode of inheritance of traits (e.g. recessive/dominant/ sex-linked) from pedigree diagrams showing phenotypes.*

## Assignment Due date

\_\_\_Read Chapter 11 Feb. 3,4

\_\_\_ HW

<http://www.biology.arizona.edu/mendelian_genetics/problem_sets/monohybrid_cross/monohybrid_cross.html> do problems #1-10 for practice.

Feb. 5,6

\_\_\_ Study for QUIZ ON GENETICS PROBLEMS QUIZ Feb. 9,10

\_\_\_ HW Active Art. Go to phschool.com and use web code cbp-4114. Watch and study the activity and complete the assessment to hand in.

\_\_\_ Meiosis Lab (50 points) Feb. 11, 12

\_\_\_ Do #1-21 on p. 283 to discuss with classmates.

\_\_\_ HW Do #1-12 on p. 285 to hand in.

\_\_\_ Study for quiz on Meiosis QUIZ Feb. 18, 19

\_\_\_ HW Read p. 341-354 from Chapter 14

\_\_\_ Karyotyping Lab (50 points) Feb. 20, 23

\_\_\_ Blood typing Lab (50 points) Feb. 24, 25

\_\_\_ Study for test Feb. 26, 27

\_\_\_ Prepare notebook for inspection **TEST** Mar. 2,3