

**Pro-Vision Academy Charter School**  
**Eighth Grade Distance Learning Plan**

**Eighth Grade Distance Learning Plan**  
**Week of April 27, 2020**

**Science Activities**  
**(Suggested: 25 minutes of off-line activities)**

Use the following terms below and match them to their definition. Turn in your answers by Friday.

**Gene**      **allele**      **genotype**      **phenotype**      **homozygous**  
**heterozygous**      **Recessive allele**      **Dominant allele**      **Test cross**  
**monohybrid cross**

- A. Alternative form of a gene, locate at a specific point on chromosome. (DNA coding that will determine distinct traits.)
- B. Having two identical alleles for a given gene
- C. A unit of hereditary information with a specific sequence in DNA
- D. Having two different alleles for a given gene.
- E. Breeding an organism of an unknown genotype with an organism with a homozygous recessive genotype. The offspring phenotype will determine the unknown genotype.
- F. The genetic makeup or set of alleles of an organism
- G. Allele's phenotypic effect is not observed in a heterozygote
- H. Allele's phenotypic effect is fully expressed in a heterozygote
- I. A genetic cross between homozygous individuals that have different alleles for the gene of interest. (AA x aa)
- J. The physical traits of an organism determined by genetic makeup.

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**Math Activities**  
**(Suggested: 35 minutes of off-line activities)**

**TEKS: 8.2d 8.8c 8.6a,c 8.7a**

**Monday**

Let's get a little active!

Count how many jumping jacks you can do in one minute.  
Count how many pushups you can do in one minute.  
Write it in the correct form (50 jumping jacks/min)  
Which can you do more per minute?

**Tuesday**

Work on ixl for 15 minutes.

**Wednesday**

Work through ixl for 20 minutes.

**Thursday**

**-9+47=**  
**-8+-49=**  
**48+-12**

**Friday**

**All work is due.**