

PunnettPuzzle™

Lesson Directions Overview

Equipment List

- 24 Lettered Beanbags (12 double-sided A/a and 12 double-sided B/b)
- 1 PunnettPuzzle™ Mat

Learning Objectives

- Students demonstrate the relationship between alleles and heterozygous and homozygous traits using a 2 x 2 Punnett square.
- Students predict genetic trait inheritance using Punnett square models.

Grade Levels: Middle School and Up

Vocabulary Covered

- Allele
- Genotype
- Heterozygous
- Homozygous
- Phenotype
- Trait

NGSS Topics Addressed

- Heredity: Inheritance and Variation of Traits.