

Lesson Plan

Genetics

Class Duration: 1 hour

Tour Duration: 1 hour

Goals: Students explore melanistic and standard coat colors in one to two species of cat to gain an understanding of inherited traits and variation within a population of animals.

Supplies:

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Education:

_____ Students learn how these species have been affected by changes to their habitat

_____ Demonstrate how an animal's environment can influence some of its characteristics

_____ Determine the meaning of unknown words (dominant/recessive/gene)

_____ Understand the differences between dominant and recessive traits

_____ Use cat 'parent' cards to identify coat color characteristics of babies

Common Core: L.2.3, W.2.8, L.2.4, SL.2.1, SL.2.3,

NGSS STANDARDS: