



Genetic Counselor

Provided by:

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Information	Program Description
2nd-5th Grade, but can be adapted for younger and older students.	Students explore genetics through the eyes of genetic counselor Cathy Burson. They will gain a better understanding of genetics through lessons on: genetic features, genomes, genes, chromosomes, and DNA.
Curriculum Format	Each lesson can be presented in 45-60 minutes. Teaching Guide with complete instructions is provided. Teaching Kit with materials needed to present lessons is provided. User may need to provide standard classroom supplies (pencils, scissors, glue). If a lesson requires perishable items (e.g. milk), user is responsible for these purchases.

Lesson	Overview
One: Meet Cathy	Students will watch a video about genetic counselor Cathy Burson. Then students will explore their own genetic features.
Two: Alike and Different	Students will investigate what is different between themselves and the group along with what is the same.
Three: Mating Game	Students will learn about gene expression and heredity. This lesson allows students to do a fun activity sorting Smiley's genes to create their own Smiley Face baby.
Four: What Sort?	Students will learn about chromosomes and how they work. This lesson has students meet a cheek cell, say hello to a chromosome, and complete a human chromosome chart.
Five: Inside DNA	Students will learn about DNA and living systems and their basic structures. Students will also do an activity where they build DNA.

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