

Fun Bugs!

Summary

In this activity students will be simulate the process of meiosis to make new baby "Fun Bugs" structures.

Time Frame

1 class periods of 60 minutes each

Group Size

Pairs

Materials

- [8 Fun Bug Chromosomes \(2 different colors\) sheet](#)
(attached)
- [student worksheet](#)
(attached)
- penny
- toothpicks
- small colored marshmallows,
- large marshmallows
- chocolate chips
- dots
- pretzel sticks
- macaroni pasta
- rotini pasta
- linguini pasta
- cinnamon hearts or orange slices for wings

Background for Teachers

Genes contain the information that determines traits in living things. Each version of a gene is called an allele. Genes come in pairs on homologous chromosomes. Homologous chromosomes are separated during meiosis and sort independently of each other. This mixture of genes makes new individuals with a variety of traits. You will be simulating the process of meiosis to make new baby Fun Bugs!

Instructional Procedures

Hand out student worksheets (attached).

All procedures for the activity are given on the student worksheet. Go over them with the students.

Allows them the entire class period to do the activity.

Bibliography

Lesson Design by Jordan School District Teachers and Staff.

Authors

[Utah LessonPlans](#)