

TEKS Grade 7 - S.7.13.C

Asexual vs Sexual Reproduction Bundle

- ✓ 7th Grade Science TEKS Curriculum Bundle
- ✓ Variety of Lesson and Activity Types
- ✓ Digital + Printable Formats



NEW 2024

Resources Included

- ✓ **Complete S.7.13.C - 7th Grade Science TEKS Curriculum.**
- ✓ **Variety of Lesson Types** - Includes lessons, activities, and more.
- ✓ **Daily Teaching Timeline Included** - Includes a ready-to-go, daily teaching timeline.
- ✓ **Digital + Printable Formats** - Ideal for classroom, hybrid, or remote learning environments with flexible access options.

Daily Teaching Timeline Included

How Traits Are Passed On: Asexual vs Sexual Reproduction 6th, 7th, 8th Grade Lesson

- ✓ How Traits are Passed On: Sexual and Asexual Reproduction
- ✓ Student + Teacher Versions - Office, Google, and PDF Versions
- ✓ Multimedia-Rich Lesson with No Prep Required



Teach With Fergy

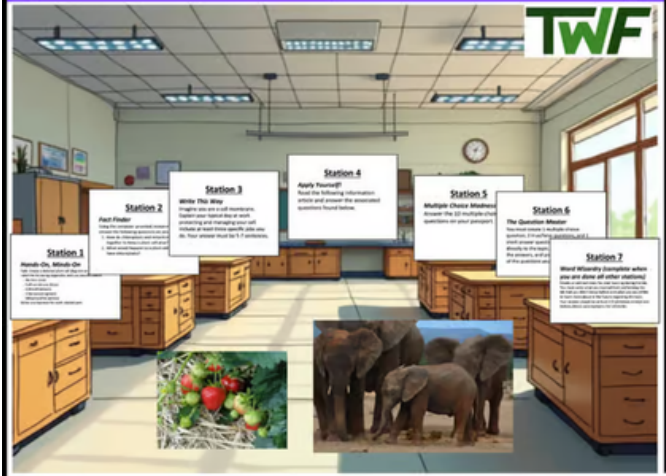
Plant Reproduction Lesson 6th, 7th, 8th Grade

- ✓ Intro to Plant Reproduction: Sexual and Asexual Reproduction
- ✓ Student + Teacher Versions
- ✓ Multimedia-Rich Lesson with No Prep Required

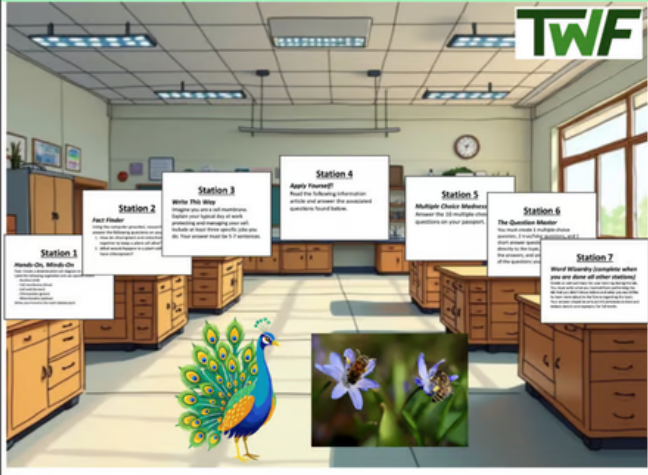


Teach With Fergy

Asexual and Sexual Reproduction NGSS-MS-LS3-2 Station Activity



Animal and Plant Adaptations for Reproduction NGSS-MS-LS1-4 Station Activity



Create-a-Creature Reproduction Models

Learning Outcome:
Students create and use a model to visualize how sexual reproduction results in genetic variation, while asexual reproduction creates clones.

Objective: Students will model both asexual and sexual reproduction to compare genetic outcomes.

- Materials:**
- Colored pencils or markers
 - A coin (for sexual reproduction chance)
 - Trait chart (provided below)

Instructions:

Part 1 - Asexual Reproduction (Cloning)

- Draw a "parent creature" and assign it the following traits:
 - Eye color (blue or green)
 - Body color (red or yellow)
 - Number of legs (2 or 4)
 - Tail (yes or no)

- Draw a smaller offspring creature as a genetic copy of the parent.

Part 2 - Sexual Reproduction

- Use the trait chart below to assign traits from two parent creatures.
- Flip a coin to decide which trait is inherited from which parent:
 - Heads = Parent A's trait
 - Tails = Parent B's trait

- Draw the new creature with the mixed traits.

Trait	Parent A	Parent B
Eye Color	Blue	Green
Body Color	Red	Yellow
Number of Legs	2	4
Tail	Yes	No

Wrap-Up Questions:

- What was the key difference between the asexual and sexual reproduction?
- Which offspring showed more variation? Why?
- Why might variation be helpful for survival?

Punnett Square Practice: Traits in Action

Objective: Use Punnett squares to model how traits are inherited in sexual reproduction and contrast with asexual reproduction.

Materials:

- Pencil
- Punnett square worksheet
- Trait descriptions

Scenario:

In a species of alien creatures:

- Green skin (G) is dominant over purple skin (g). If a G is present, they WILL have green skin. The only way to have purple skin is to be gg.
- Two antennae (A) is dominant over one antenna (a).

Parent Genotypes (Sexual Reproduction):

- Parent 1: GgAa
- Parent 2: GgAa

Instructions:

- Complete Punnett squares for each trait:
 - Skin color (Gg x Gg)
 - Antenna number (Aa x Aa)
- Record the possible genotype combinations (e.g., GgAa, Ggaa, GgAa, Ggaa, GgAa, Ggaa, GgAa, Ggaa).
- Compare these results to an asexual parent with gg.

Wrap-Up Questions:

- How many possible combinations were there in sexual reproduction?
- What is the outcome for asexual reproduction?
- Which type of reproduction shows more variation?

Answer Key Punnett Square Practice: Traits in Action

Skin color Punnett Square (Gg x Gg)

G	g	
G	GG	Gg
g	Gg	gg

Genotypes: GG, Gg, gg

Phenotypes: 3 Green (GG or Gg), 1 Purple (gg)

Antenna number Punnett Square (Aa x Aa)

A	a	
A	AA	Aa
a	Aa	aa

Genotypes: AA, Aa, aa

Phenotypes: 3 Two antennae (AA or Aa), 1 One antenna (aa)

Parental Genotypes: 100% green, 100% purple

Antenna number Punnett Square (Aa x Aa)

A	a	
A	AA	Aa
a	Aa	aa

Genotypes: AA, Aa, aa

Phenotypes: 3 Two antennae (AA or Aa), 1 One antenna (aa)

Parental Genotypes: 100% green, 100% purple

Antenna number Punnett Square (Aa x Aa)

A	a
AA	Aa
aA	aa

Genotypes: AA, Aa, aa

Phenotypes: 3 Two antennae (AA or Aa), 1 One antenna (aa)

Parental Genotypes: 100% green, 100% purple

Who is this Bundle for?

- **Teachers who teach 7th grade science in Texas**
- **Teachers who want multiple resources at their fingertips including lessons and a variety of activities, in order to prepare their students for the STAAR Science Exam**
- **Teachers who don't have time to develop their own resources or organize what to teach and when**

