

To access the student's Single Sign On (SSO), go to sso.ems-isd.net. The username is your student 6 digit ID number and the password is your capitalized first initial, lowercase last initial, and your 8 digit birthdate.

District Online Resource

SSO (sso.ems-isd.net) STEMscopes
SSO (sso.ems-isd.net) Discovery Education

Choice 1: Adaptations

Watch:

[PBS Predators Science Trek](#)



- How does a boa constrictor kill its prey?
- In what ways do predators and prey depend on each other?
- Compare and contrast the position of the eyes for elk and wolves.

Choice 2: Creative Creature Features

Ancient cultures combined the features of different animals to produce fierce, mysterious, and powerful creatures to symbolize their greatness to the other nations.



Think of some of your favorite animals and the features that makes them stand out or special.

Design your own creature combining your favorite animals' features. Remember these features will need to help it survive in its specific environment such as color, patterns, body shape, or behavior. Draw, color, and explain how its features makes it a creature of greatness in its own unique environment.

Choice 3: Bird Adaptations

Epic: [Do You Know About Birds?](#)



Code:

Bird	Beak type	Bird uses beak to...
hawk		
heron		
woodpecker		
flamingo		
cardinals		

**Summer Enrichment:
Moon Phases**



How does the moon change over summer vacation each month?

Observe the appearance of the moon each night or morning.

- Record the date and time.
- Draw the moon's phase.
- Label the moon's phase.
- Describe the changes you observe each night.

Summer Enrichment:

Weather Tracker

How can we compare day-to-day weather changes?

Keep a journal and record the weather two times a day at the same time.

- Record the date and time
- Temperature
- Wind conditions (calm, breezy, windy)
- Precipitation (clear, drizzle, rain, fog)
- Draw the cloud formation for each day.

Research different types of clouds and the weather that occurs with them.

Summer Enrichment: It's A Chain Reaction!

Watch: [Honda Rube Goldberg](#)
[Audri's Rube Goldberg Monster Trap](#)

Decide on a simple task you would like to achieve like turning on the television, opening a door, or turning off a light.

Materials: Search your house and recycle bin for various items such as dominoes, marbles, balls, Legos, paper towel tubes, little cars, string, and toy racetracks.

Design a series of actions that will complete your task. The first step needs to get the energy moving, so make it a good one! An object going down a ramp or dominoes falling are excellent uses of gravity. Practice makes perfect, so it is okay to have a lot of trial and error. Have fun!