

Recreating our local ecosystem.



Get thinking...

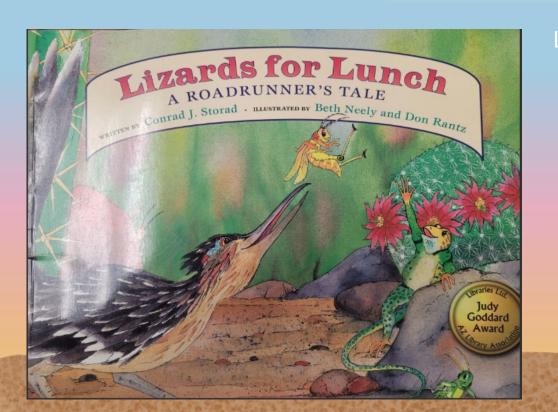
On your whiteboards

Why is it important to know about food webs or food pyramids?

6.L2U1.14 students will construct a model that shows the cycling of matter and flow of energy in ecosystems.

You will do this by completing an information card on your desert dweller and link it with the other energy roles in the ecosystem.

Let's learn more about one of our local desert dwellers



Lizards for Lunch A Roadrunner's Tale by Conrad Storad





Learn more about your desert dweller.

Research information about your desert dweller.

Draw a picture of your desert dweller

Include their predators and prey

Include important adaptations.

Features it has to survive.

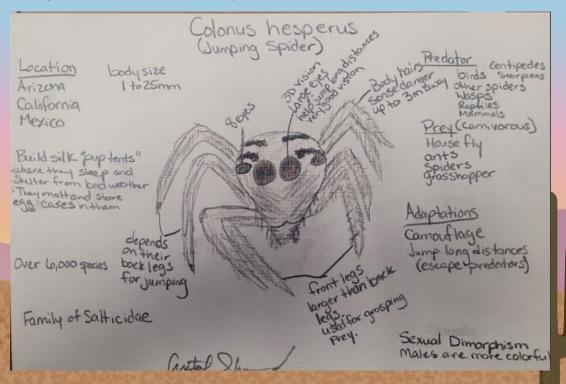
Unique traits or features.

Their location and typical shelter

Include as much information you can about your dweller.

What do we do??

Animal Food Web Research on Google Classroom. There will be a link to National Geographic and iNaturalist to do your research.



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	Predators and Prey	Accurately includes both predators and prey with detailed, realistic illustrations and clear explanations.	Includes both predators and prey with good illustrations and explanations.	Includes both predators and prey, but with some inaccuracies or missing details.	Includes one or neither predator nor prey with minimal details.	Fails to include predators or prey.
	Adaptations	Clearly and accurately depicts important adaptations with detailed explanations that show a strong understanding.	Depicts most adaptations accurately with good explanations.	Depicts some adaptations with basic explanations, but lacks detail or clarity.	Includes limited adaptations with unclear or incomplete explanations.	Fails to include or accurately depict important adaptations.
	Survival Features	Shows a comprehensive range of survival features with detailed, accurate illustrations and explanations.	Shows most survival features with good illustrations and explanations.	Includes some survival features but with limited detail or clarity.	Shows few survival features with minimal explanations.	Fails to include or clearly explain survival features.
	Unique Traits	Presents unique traits with creative, detailed illustrations and thorough explanations that enhance understanding.	Presents unique traits with good illustrations and explanations.	Includes some unique traits, but with limited detail or creativity.	Shows a few unique traits with minimal explanations.	Fails to include or identify unique traits.
	Location and Shelter	Accurately depicts the desert dweller's location and typical shelter with detailed illustrations and clear explanations.	Depicts location and shelter with good illustrations and explanations.	Includes location and shelter, but with some inaccuracies or missing details.	Shows limited information about location and shelter with minimal explanations.	Fails to accurately depict location and shelter.
	Information Completeness Total Score:	Provides a thorough, detailed description including all required elements with clarity and accuracy.	Provides a detailed description with most required elements covered.	Provides a basic description but with some missing elements or details.	Provides a limited description with several missing elements.	Provides an incomplete description with most required elements missing.

Fair 3

Needs Improvement 2

Inadequate 1

Good 4

Excellent 5

research and make into a food web. I will be assigning who will get which of

Choose your top 3 that you would like to

these so do not get set on which one you want. I don't want any duplicate animals in the food webs.

As you are assigned a desert dweller you can begin your research. Start by going on Google Classroom for more instructions.



Ground Squirrels

Yellow Warbler Lesser Goldfinch Harris's Hawk

Black Widow Spider **Bark Scorpion** Sonoran Millipede

Gila Topminnow Mesquite Tree Palo Verde Ocotillo Soaptree Yucca Saguaro

Desert Prickly Pear

Gila Monster

Closing

What type of energy role does your desert dweller have?

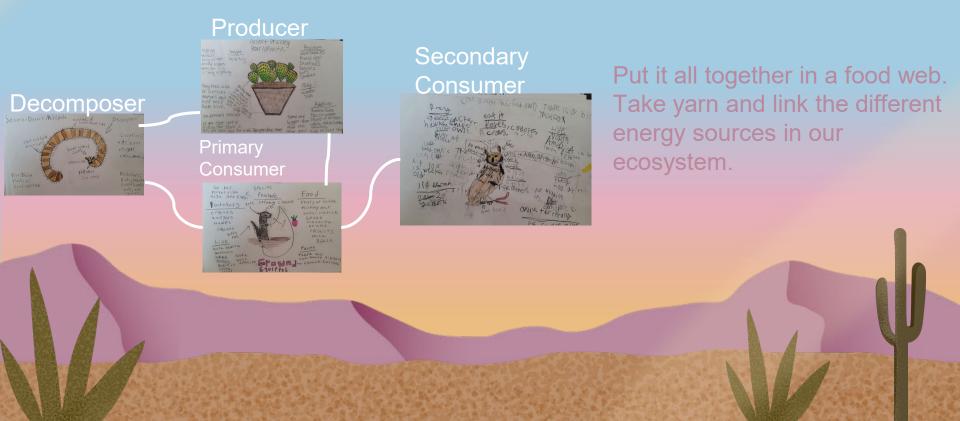
Rubric for Desert Dweller Activity







Making a Food Web



Owl Pellet Dissection





Another idea!
Have students
dissecting an owl pellet
so they have a handson experience with what
an owl eats.







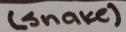
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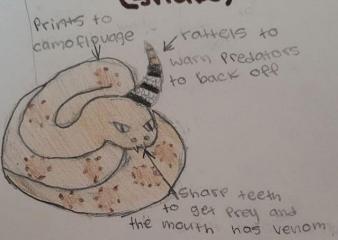
Predators

- · Eagles
- hauks
- road runners
- · King snakes
- · coyote
- · borocars
- xofox

Special feature Swarp teeth and raytie

western Diamonback





Food

- Chipmunks
- · Prairie dogs
- · gorners
- "ground squirries
- · valobits
- · Mice & rais

where they live

- · Western Texas
- «Southern New Mexico
- · southern california
- · central Mexico

Sonoran Desert Millipede Decompose1 hundreds of 1 Small black 1-95 Locations! light and bank, · Arizona Brown SCALT small hooked 1+1Xas · New Mexico ANTHANAY > patterned Pridetors! Pray: Diains blut 1415 Birds, rodents Plants of ground bretti dead laccasses ants, and Spidals

Special fur for POTTECTION Size and eyes, feature Food redetors fars strong claws Fruits of cholla Prickley rear bassel cactice Coyotes badgers seeds HaWKS mesquite. -beans Shakes Insects PUFFY mice toil 9 rass Live North Dakota Facts montaria There tail Sout h utah can move signals nevala west Pacific america Ho comunitation

Desert Prickley Pear/opunita Predotors location Weight Jack Rabbits Washes Pravie dogs 100 to 1609 Rocky hill Sides Javelinas Around bolders Rodents Where the Soil bats is sandy or gravely iguanas PREY They feed a lot water of diffrent and sun animals and thou help keep son Adaption them alive. Shallow Roots 200 diffrent species Excess water bigger than Spines or needles yellow Red or Purple If you ever get a then the Princely Pear Stuck in Taxwon law reladi Lawers. is resignat skin

In Verte lo Cates - Latto dectus SCHOMAYS Calnivor Sexual timosphism (Black widow Spider) Paisen Adult male are half Wells cyes the size of fends PREDUS blue mut tauto spares Prey Challybian californicam Fam 114 inve in sects Theritidae other spilers afthropat LOCUTION Adaptotions 5 Pecils eastern us Sticky/illegular web Southern carelda south to florida West-eastern texas habitage okahora Kausas Madl King 1.5 inches long: Languer of 9.25 inches

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Parts of a gilatoPoninnous Alliyah J. 8/29/24 Adipose Coudal Fin eyes, Scalschy gua topmino 15 a omaivour But Fews pristy It 15 Found in Anal Fin on aquatio Stomach mexico and the insect Larvac. united States. Both Male's and Female's they can eat DetRitus, Algea, have a tan to olive colored And touatic invert to Brases, when Body The intire gila Avarible GitatoPhinnow AVE Enformerd Our to MosquitoFiel. River Basin Below 4000 Feet elevation.

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