

Copyright © 2016-2017 All rights reserved. Integreat! Thematic Units

All images are compressed for sample purposes.

Thank you for taking the time to check out these center materials for the study of the amazing African savanna. There are lots of materials to help you set up an interesting and educational "museum" for your students to explore as they research animals of the grasslands.

Savanna Sakari

Maps, Mural, Mini Museum



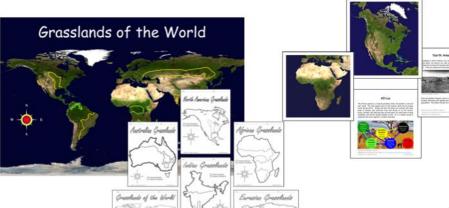
3 Reading Levels: Grades K-1, 2-3, 4-5

Savanna Safari: Maps, Mural, Museum

Overview of Center Materials

This unit contains materials for a classroom "mini museum" where students learn about life on the African sayanna.

Here's what's included in this center:



Parent Newsletter

Send home a month before the unit to solicit parental help in preparing materials. A version for Publisher ™ and Word ™ are included.



A poster shows

Maps

the grasslands of the world, and student worksheets allow them to identify temperate and tropical grasslands on each continent. Map study cards give students a look at a satellite image, and additional information to read and think about.

Grades 2-5

Flannel Board

Magnetic and flannel board images are included which can

be printed on magnetic or canvas paper which will last a long time. They may also be printed on cardstock, laminated, and sticky back loop fasteners, sandpaper or magnetic strips can be glued to the back.



Mural

Directions and cutouts are included for a mural background for your center.



Mural Cutouts

Photographs of animals of the African savanna may be cut out and placed on your mural or around your classroom.



Reading / Coloring Pages

Student reading passages can be used for instruction, research, non-fiction writing models, or free exploration. Grades PS-5

Text materials come in 3 or 4 versions and may be color coded: Preschool K-1 Grades 2-3 Grades 4-5

Only print out the materials appropriate to your grade level. Each file has preparation directions, and suggestions for a variety of ways to use the item. I hope you and your students will find the materials fun, and educational!



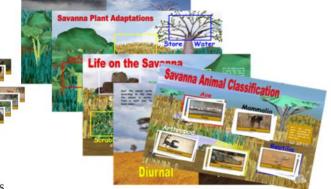
Animal Masks / Puppets

A set of animal faces can be used as stick puppets or student masks. Animal information, presented in paragraph form for grades K-1, and outline form for grades 2-5, may be printed on the backs of the puppets. Some of the animals in the sets differ, depending on grade level. A can cover is included. Grades PS-5



Display Cards

Modeled on the information plaques found in museums, these 8.5X11 cards describe interesting facts about savanna plants and animals. Grades K-5



Sorting Mats and Cards

Five sorting mats (4 for PS-Grade 1) and 64 plant and animal cards allow students to learn complex concepts quickly. Cards are sorted according to season, plant adaptations, where it lives on the savanna, diurnal or nocturnal, and animal classification. Grades K-5



Animal Family Matching Puzzles

15 sets of animal families can be cut into puzzles. Each piece is labeled with a sentence such as, "A mother giraffe is a cow." Each set includes mother, father, and young. Grades PS--2.

What is it called?

23 photographs of animal groups show their surprising and interesting group names. Can be cut into puzzles, stapled into a booklet, or used as bookmarks.

Grades 3-5



Inside this Iss	uo:
New Unit of Study	1





Savanna Safari: Maps, Mural, Mini Museum



In a few weeks, our class will begin a study of the African savanna. I would like to build a classroom museum to provide a place with materials for the children to explore, investigate, manipulate, discover, and learn. In order to turn a corner of our classroom into a "savanna" newsletter is designed to let you know our plans and see how you can help us prepare for this exciting unit.

We are planning to create a wall mural as a background for our new center.

- . Does your child have any stuffed animals or books about the sa-vanna? Would you (and he) be willing to share them with us?
- We could also use some plastic animals such as elephants, giraffes, hippos, and rhinos to use in
- . Do you have any left-over grass seed? We would like to plant a savanna right in our classroom!

Running Copies, Setting up a MiniMuseum

We have a number of materials to prepare before beginning the project. There are display cards, mural cutouts, sorting cards and mats to run off, laminate, and collate. If you could help at home or at

school with any of these tasks, please complete the form on page 2 and it return it to school as soon as possi ble. Thanks for your help! We are looking forward to a new adventure!







Donations Needed: Time and Materials

re are many ways that you can

ould like to run the mural cutts off on photo paper to improve ir quality. If you have paper you uld contribute to the cause, you uld improve the materials not t for your child, but for all the dents who use the materials in future. We also need white yer stock for some of the materi-

ere are a number of items that ed to be printed, a few of which easier to reproduce on a large mat printer. If you have a mater that prints on ledger sized print the larger items for us, that would be very helpfull. I will send



Standard Printing

There are also a number of items that need to be printed on letter size paper (8.5X11). If you can any of these at home, it uld be greatly appreciated you don't have your own printer, perhaps you could come to the school and print the items.



All the materials we are putting together today will be used for years to come. To help them stay good condition for future stu dents, most things will need to be laminated. If you are familiar with using the school laminator, and would like to help in this way, please let me know on the form



All the laminated items will need to be carefully trimmed. Many of the resources the students will be using send the items home with your child, so those of you who cannot come to the school to help may be able to help us that way, at your convenience.

a personal interest in the African savanna, and you could share them with us, please let me know. I plan to start the unit in 4-5 weeks, so it would help tremendously if you help as soon as possible.



13/25/201	

I would like	to help with the	research mat	erials for the Mayflow	er at home at school by	
printing	laminating cutting donating		lending	7 /	
I can make					

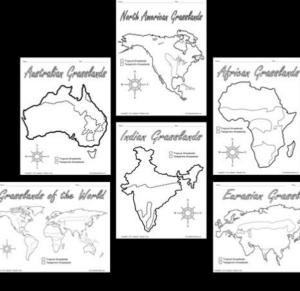
Parent Newsletter

Send home a month prior to unit to solicit parent help in preparing materials

Maps

A poster of the Grasslands of the World, Student continental map worksheets, and Map Study Cards





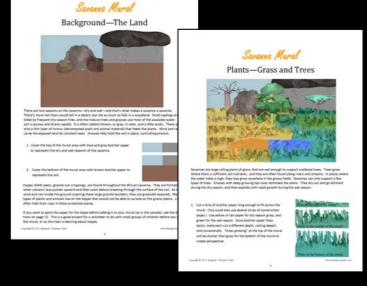




African Savanna



Classroom Mural Directions and Animal Cutouts

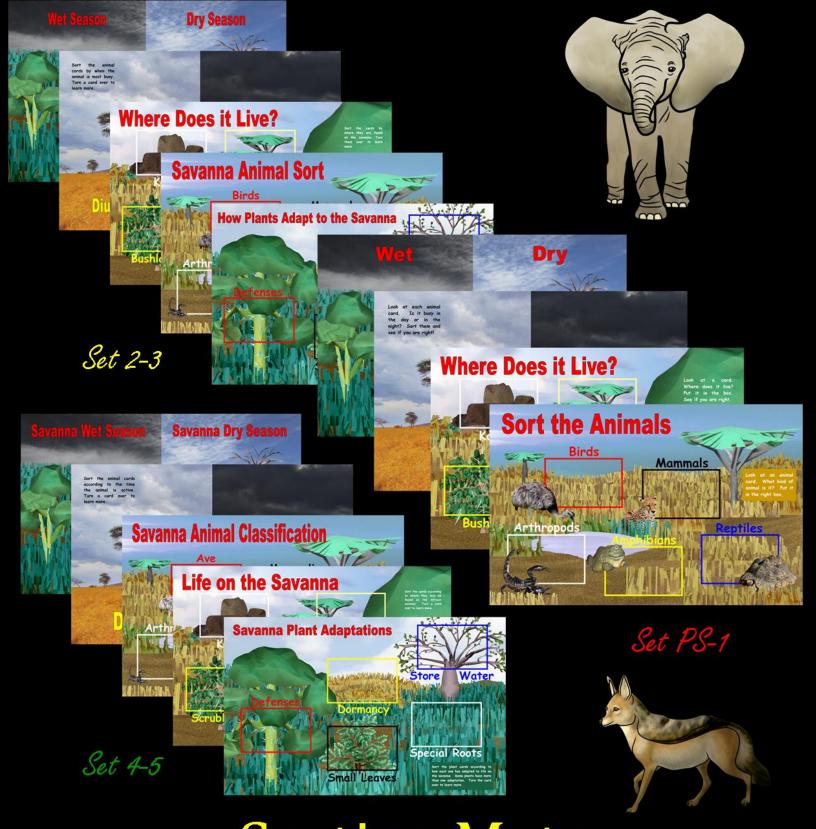






Animal Puppet/Masks

Can be made into stick puppets or masks Includes can cover for storage



Sorting Mats At three levels: PS-1, 2-3, 4-5 Teach complex concepts quickly!



Copyright © 2016-2017 Integreat! Thematic Units



Sorting Cards

Plants and Animals of the African Savanna At three levels: PS-1, 2-3, 4-5

African Striped Skink

Where Does it Live? Kopjes, Grasslands, Woodlands

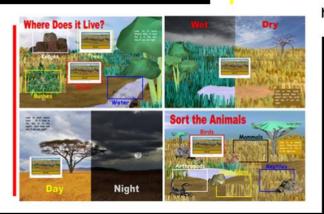
Savanna Animal Sort: Reptiles

Diurnal (Day)

Set 2-3

Set 4-5

Set PS-1



tured in Dry Sea:

Flat Topped Acacia (Umbrella Tree)
Where Does it Live? Grasslands

Plant Adaptations:

Defenses: pairs of sharp thorns,

leaves taste bad Small leaves Special Roots

Season: Pictured in Dry Season

Self-checking information can be printed on the back of each card.



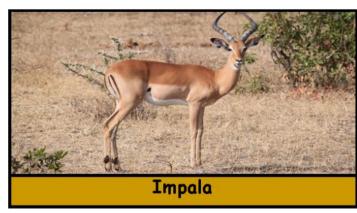
Dikdik: Photo by Klinkow, via Pixabay.com.



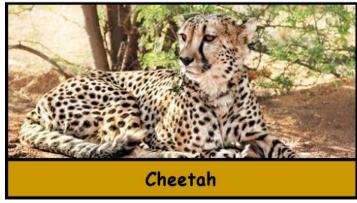
Springbok: Photo by Barnil, via Pixabay.com.



Baboon: Photo by evdw, via Pixabay.com.



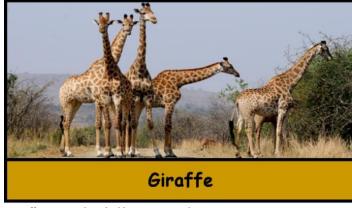
Impala: gekkodigitalmedia, via Pixabay.com.



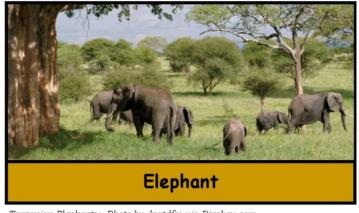
Cheetah: Photo by GregMontani, via Pixabay.com.



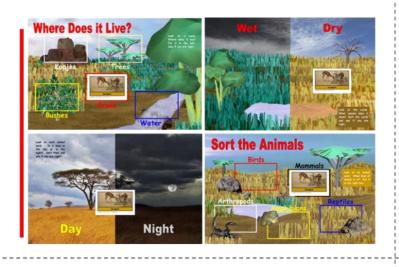
Nile Crocodile: Photo by miniformat65, via Pixabay.com.

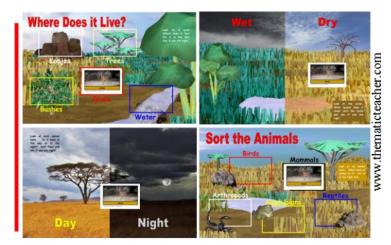


Giraffe Group: Photo by hbieser, via Pixabay.com.



Tanzanian Elephants: Photo by dpatdfci, via Pixabay.com.





Impala

Where Does it Live?

Grasslands, Near Woodlands

Savanna Animal Sort: Mammal

Diurnal (Day), Some Nocturnal (Night)

Season: Pictured in Dry Season

Babaan

Where Does it Live? Woodlands, Grasslands, Near Water

Savanna Animal Sort: Mammal

Diurnal (Day)

Season: Pictured in Dry Season

Nile Crocodile

Where Does it Live?

Water: Riverine

Animal Classification: Amphibia

Nocturnal, Some Diurnal

Season: Pictured in Dry Season

Cheetah

Where Does it Live?

Grasslands, Scrublands, Woodlands

Animal Classification: Mammal

Diurna

Season: Pictured in Wet Season

Elephant

Where Does it Live?

Woodlands, Near Water

Animal Classification: Mammal

Diurnal and Nocturnal

Season: Pictured in Wet Season

Giraffe

Where Does it Live?

Acacia Grasslands, Woodlands

Animal Classification: Mammal

Diurnal Some Nocturnal

Season: Pictured in Dry Season



giraffe is a very tall animal. It has a long neck and brown spots. Giraffes eat a lot of leaves each day. They can kick, run, and snort to get away from lions,

crocodiles.

Rainy Season



It rains almost every day on the savanna in the rainy season. The rivers and water holes fill up. The plants save water in their stems. The

Kopje



The African savanna has many kopjes. They are small hills made of Many kinds of plants and animals live on them. The rocks keep

m or cool, and safe

id fires.

Cheetah Acinonyx jubatus

Cheetahs run faster than any other land mammal. They can run up to 70 miles per hour, but only for a short time. They are made for speed!

Cheetahs feed on hares, antelope, and gazelle. They hide in tall grass and shrubs, watching for their prey with

very good eye sight. When the prey is close enough, they burst out of hiding and knock it over. When it's dead they drag it to a shady spot to feed.



Baobab Adansonia digitata

The baobab tree is one of the oldest and biggest trees on earth. It can live for more

than 2,000 years, and is very hard to kill. People have used the hollow trunks of the tree for shops, barns, and even a prison!

The baobab has shiny, pinkish gray bark. In the rainy season, it stores water in the trunk, and the trunk swells up. As it uses the water in the dry season, the trunk shrinks back to normal.



Puff Adder Bitis arietans

The puff adder is one of the most common, and dangerous, snakes in the African savanna. They grow up to 36 inches (1 m) long, and are easy to recognize by their thick, shades-of-brown scales. These colors give them great camouflage by their thick, shades-of-brown scales. These cours give them great cannot may in the dried grasses. Their triangular head tells you they are poisonous. Because they are so common, puff adders cause more deaths than any other African snake. Snake bites are especially troublesome in Africa because many people don't have access to good



who are bit will die who are bit will die.
The puff adder preys at night, ambushing its prey, it feeds on small animals such as mice, lizards, birds, and toads. Although it spends most of the time on the ground, it can also swim and climb trees. Candelabra Tree

The candelabra tree is a succulent, a type of plant that has he candelabra tree is a succulent, a type of plant that has ial cells that store water. It has a short, thick trunk out of which stubby branches grow, giving it the look of a candelabra. It grows in dry, open woodlands on the African savannas.

The tree has a latex which is dangerous to humans. It causes blisters when it gets on skin used as a medicine to treat coughs. It is placed in porridge and eaten to cleanse the intestines. It is applied to sores, wounds, and warts, and may be mixed with fat and rubbed on the skin to Dry Season

There are two seasons in the savanna—the long, dry season in winter, and the vet, rainy season in summer. During the dry season, little or no rain falls. The ivers and watering holes dry up, the plants drop their leaves, and the grass withers. Food becomes hard to find. The dry season usually lasts from six to eight months and is the reason why the savanna doesn't turn into a forest.

keeps the savanna from becoming a woodland. Old, dead brush, is cleared away, making room for new plants to grow. The ash works its way into the soil, making it richer and more fruitful. The fires are good for the land, but terrible for the animals.



Display Cards

Modeled after the plagues found in museums, these display cards highlight interesting characteristics of Africa's plant and animal life.

PS, K-1, 2-3, 4-5

Whistling Thorn



Acacia trees grow all over the savanna. One kind is the whistling thorn. Ants live in the thorn. They eat nectar from the tree. They climb on animals who eat the tree.

Acacias in Grain Field: Photo by PublicDomainPictures, via Pixabay.com.

Whistling Thorn

Acacia (Vachellia) drepanolobium

The whistling thorn is one kind of acacia tree that grows all over the savanna. Ants live in the round base of the tree's thorns and eat its nectar. They help the tree

by swarming all over the large browsers that try to eat the leaves. They kill young trees that try to grow nearby. The tree gives the ants a home, and the ants protect the tree. That's called symbiosis!



Whistling Acacia Thoms: Photo by Phanach han, via Wikimedia Commons. Creative Common. Attribution-Share Alike 3.0 Unported license https://creativecommons.org/licenses/by-sa/3.0/deed.en

Sanders, Madison. Whistling Thorn Acacia (Acacia drepanolobium). Web: May 10, 2016. https://prezi.com/nv2ldiblmj3g/whistling-thorn-acacia-acacia-drepanolobium/

Acacias in Grain Field: Photo by Public Domain Pictures, via Pixabay.com.

Whistling Thorn

Acacia (Vachellia) drepanolobium

the swollen bases of its thorns, and eat the tree's The whistling thorn acacia is found all across nectar found in the leaf stems. They protect the Africa's savannas. The tree works together with ants that live in it. The ants build their nests in tree by swarming on the large browsers (giraffes,

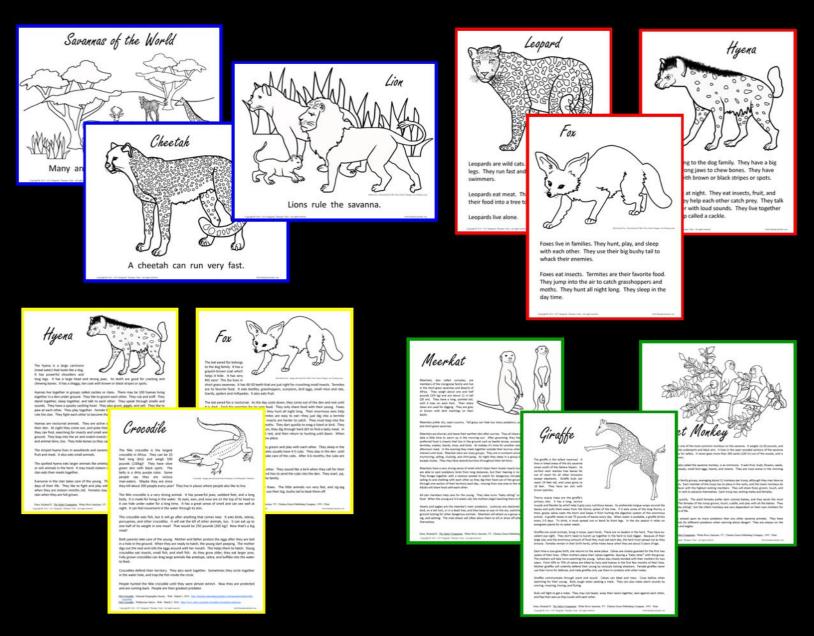
elephants, zebras) that feed on the leaves, driving them away. They kill seedlings growing beneath the tree's canopy. Two life forms working together is called symbiosis.

Acacia trees are able to "communicate" bite, the tree produces a toxin (tannin) in releases a gas which the wind carries to nearby trees. When the gas reaches those trees, they start producing the toxin to with other trees. When browsers take a protect themselves from nearby browsers. such large amounts it can kill antelope.



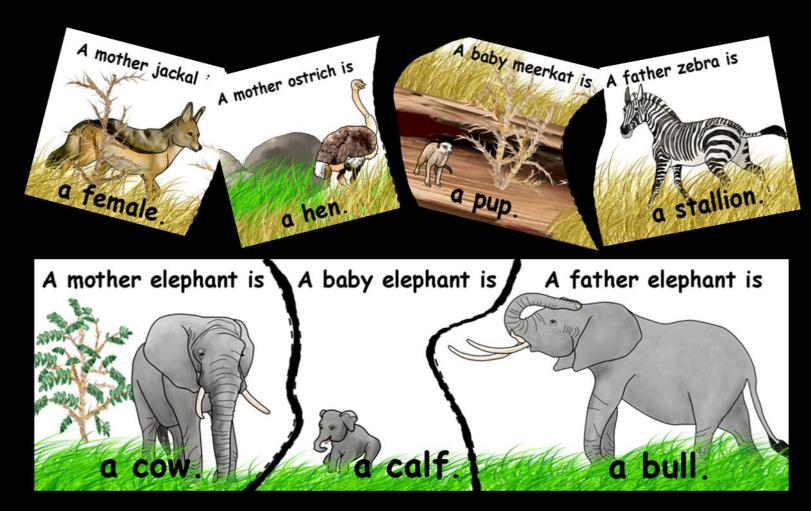
Sanders, Madison. Whistling Thorn Acacia (Acacia drepanolobium). Web: May 10, 2016. https://prezi.com/nv2ldiblmj3g/whistling-thorn-acacia-acacia-drepanolobium/

Reading/Coloring Pages



Student blackline reading passages used for research, instruction, modeling of non-fiction writing, fluency practice, or free time exploration.

Animal Family Matching Puzzles



15 Sets of Animal family images depict the area of the savanna where each animal family lives. They tell the gender names of each animal in the family.

Grades PS, K-1, 2-3

Copyright © 2016-2017 Integreat! Thematic Units

Animal Groups What is it called?





23 Cards depict a group of savanna animals, and list their surprising group names. Can be cut into puzzles, stapled into a booklet or made into bookmarks. Grades 2-3, 4-5

Magnetic / Flannel Board

