

Black Blizzard

Presenter: Cheryl Bombenger

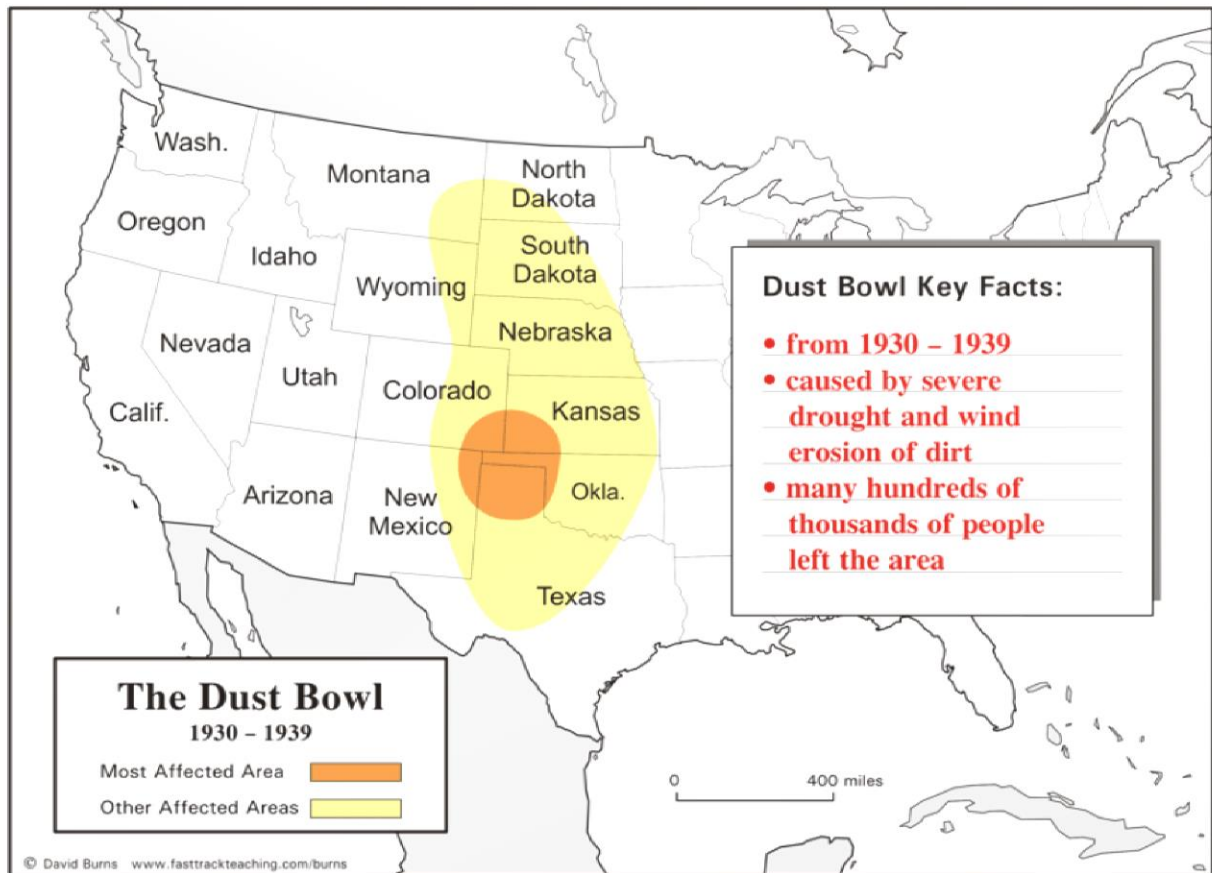
Fargo, North Dakota

AITC: National Ag in the Classroom Conference

musicmovesmyclassroom@yahoo.com

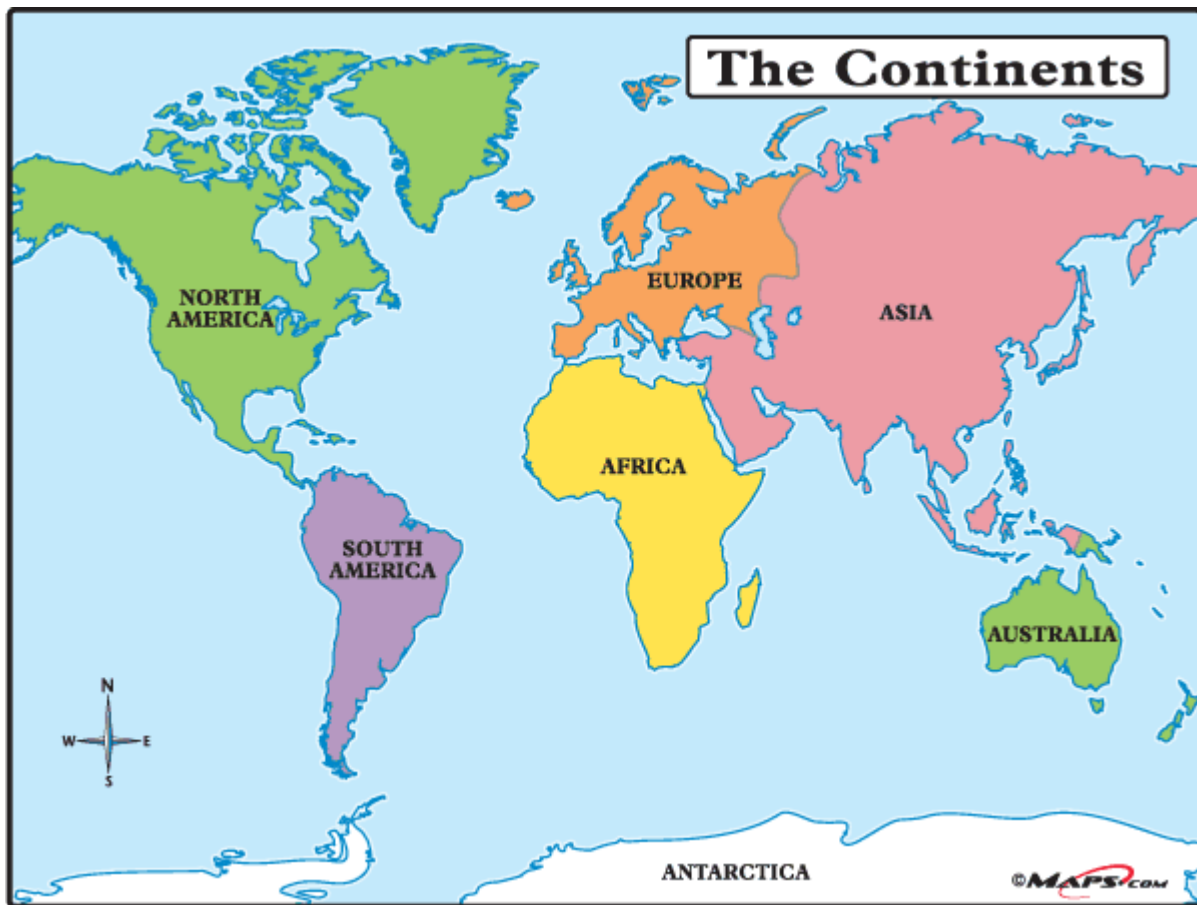


The Black Blizzard, more commonly known as the Dust Bowl, was a weather phenomenon that occurred from 1930-1940. This occurrence affected many states through the years and caused many deaths. For people who lived through it, many referred to it as "the Dirty Thirties".



<http://www.kidsdiscover.com/?s=dust+bowl>

to purchase the Kids Discover "The Great Depression" April 2006 issue
Free Lesson Plan and Power Vocabulary



Seven continents on this green earth
Seven continents will do!

Seven continents on this green earth
I can name them how 'bout you?

North America, South America

Europe, Africa, and Asia!

Australia, and Antarctica

And how about Fantasia?

Uh-uh!





George Washington

Abraham Lincoln



American Soldiers: World War I



Hard times began in 1929. Millions were unemployed. Bread lines were a necessity.





Putting the Pieces Together: The Dirty Thirties

Farmers over-plowed the fields.

Farmers were lured by record wheat prices.

How could we handle the problems of Dust Bowl?

What could be done to prevent future Dust Bowls?

The ecosystem disruption unleashed plagues of grasshoppers and jackrabbits...

Dust storms crackled with powerful static electricity

The swirling dust proved deadly

Few "Okies" were actually from Oklahoma...(1/5)

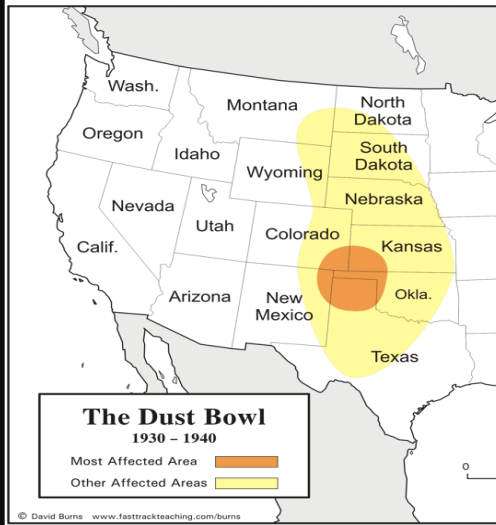
One monster dust storm reached the Atlantic Ocean...

The land was defenseless against the winds that buffeted the Plains.

Nouns



People



Places



Things

Glue Here

Noun: person, place, thing, animal, idea

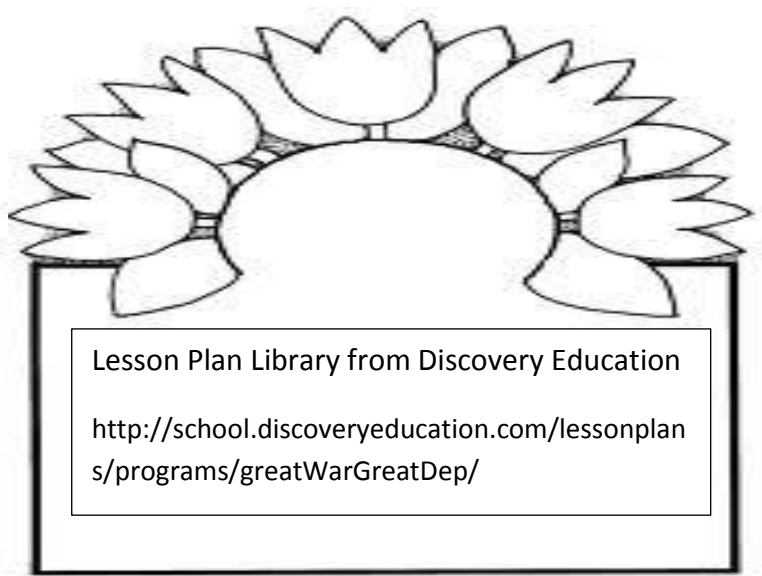
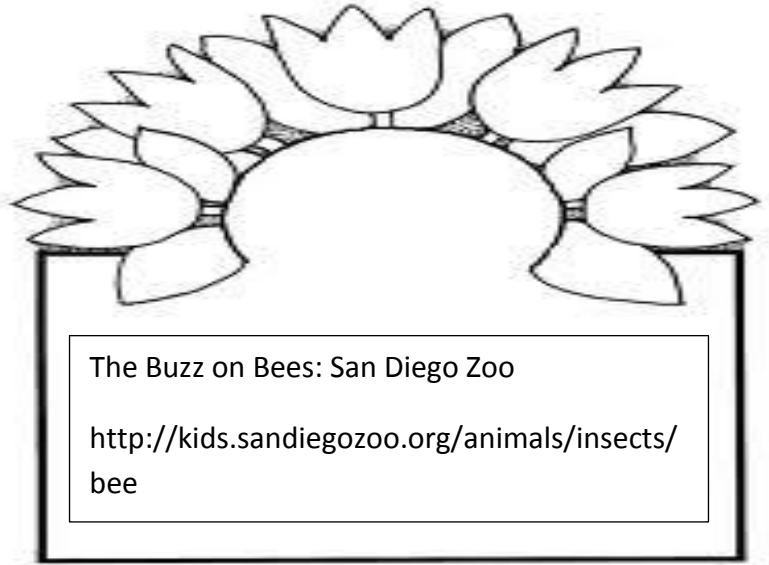
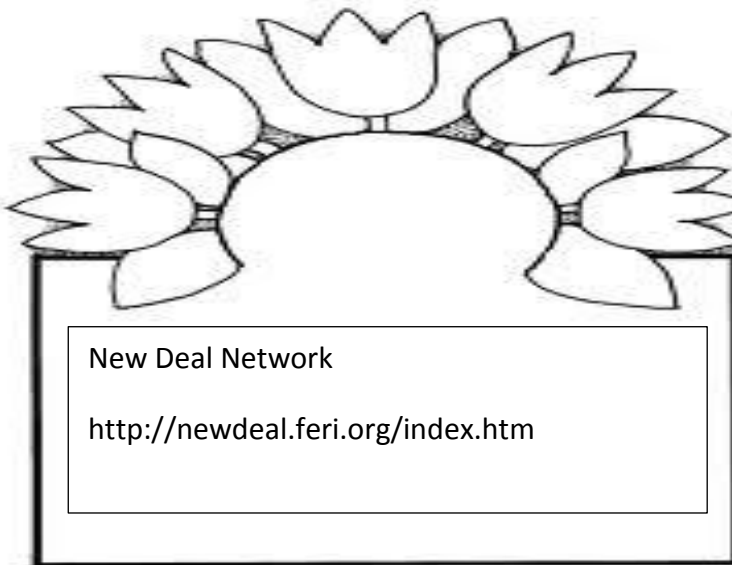
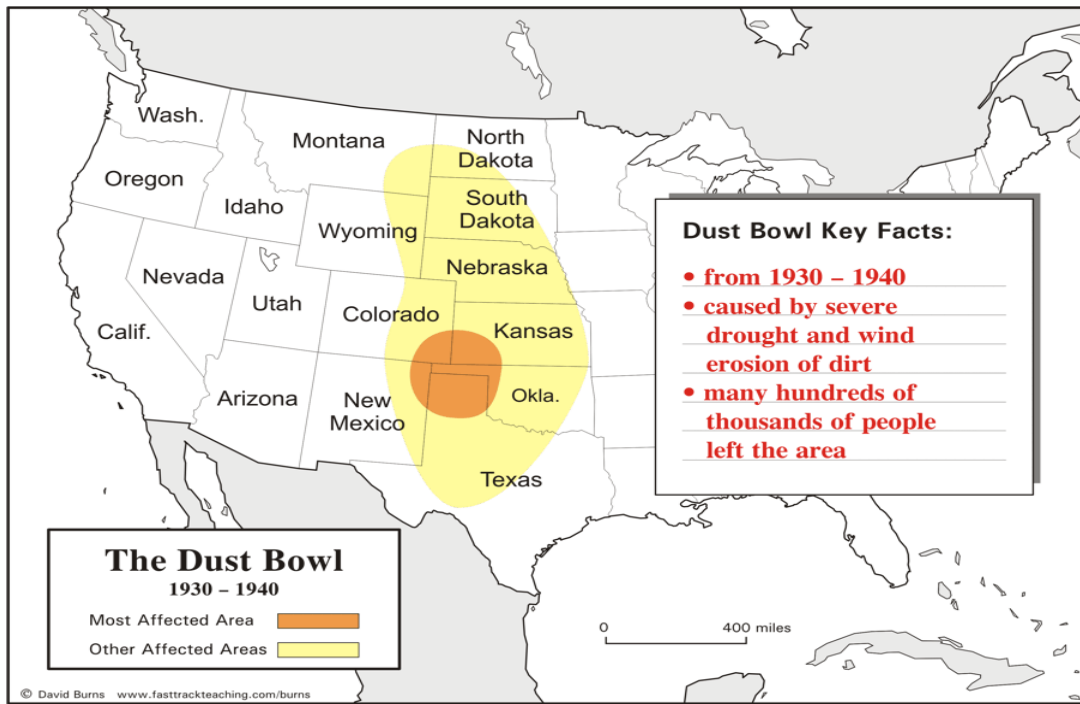
Proper Nouns are NAMES of people, places, animals, things

People

Places

Things

1.



Vocab. Jar

defenseless

lured

disruption

ecosystem

buffeted

Oakies

unleashed

crackled

swirling

record

affected

plowed

demand

**land
developers**

**Great
Depression**

drought

graze

decade

swirling

migrate

misuse

**dust
pneumonia**

buffalo grass

parched

desperate

FDR

erosion

mortgage

swirling

static electricity

squatter camp

impoverished

mobs

local

native

raided

labored

resented

Plants Need



1 copy in color of choice...
over the planter on next page

Why Plants Didn't Grow In the 30s

1.

2.

3.

4.

5.

6.

7.

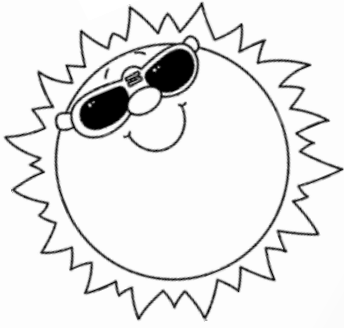
8.

9.

Research and brainstorm and write ways that prevented plant growth in the 30s.

1. The wind blew the seeds away. 2. Gardens would get buried under the dirt that blew 3. No rain
Farmers had plowed up grassland to take advantage of high grain prices, but when prices dropped, the fields were abandoned, there were few roots to hold soil in place. The winds and erosion began. For eight years, dust blew. Eating, sleeping, walking, breathing were no longer simple tasks.

sun



air



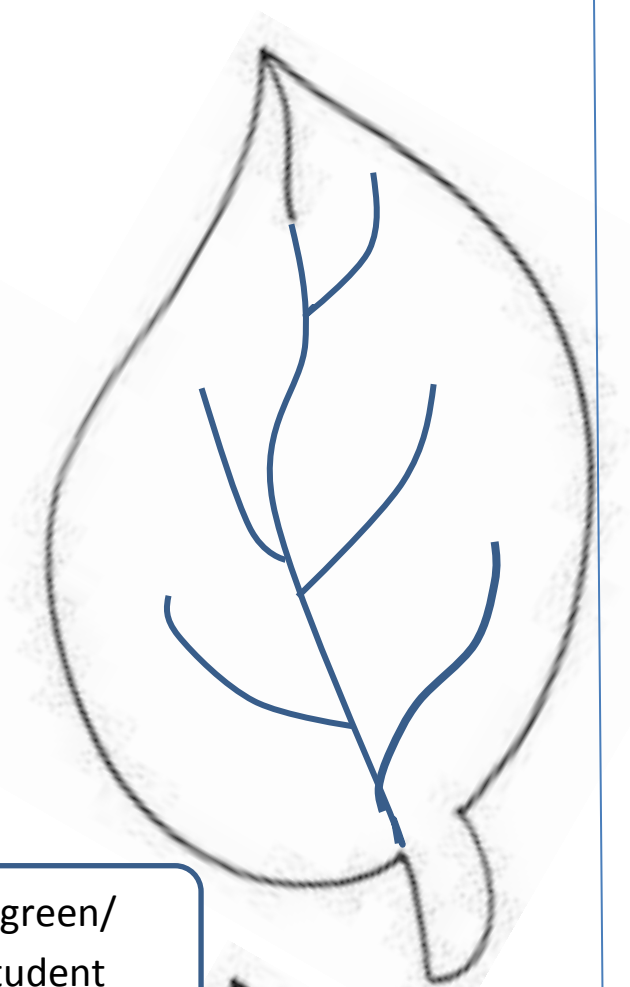
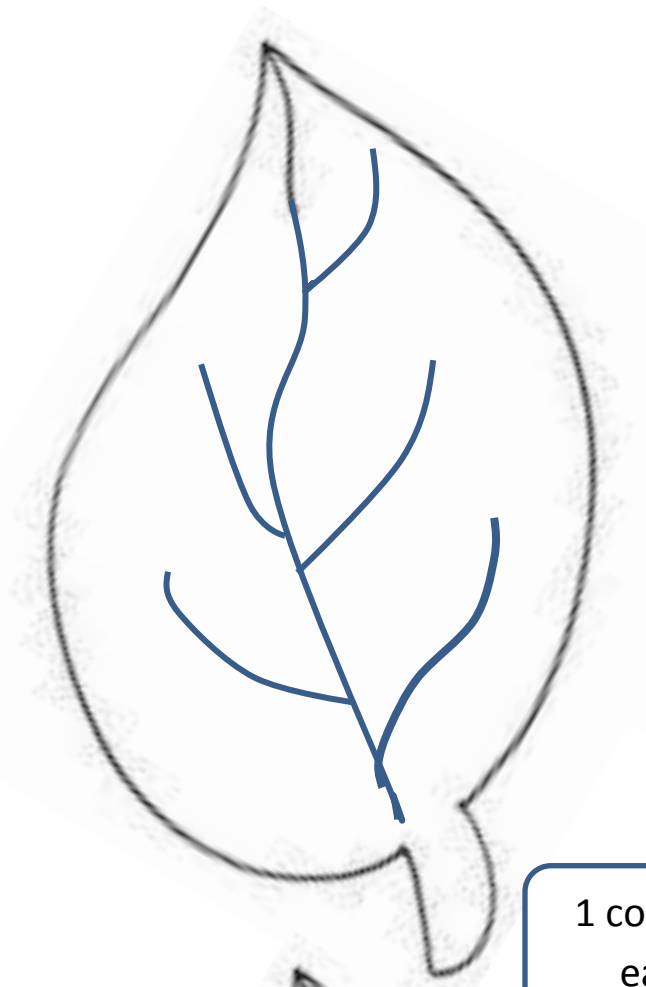
1 copy in pale yellow/
each student

water

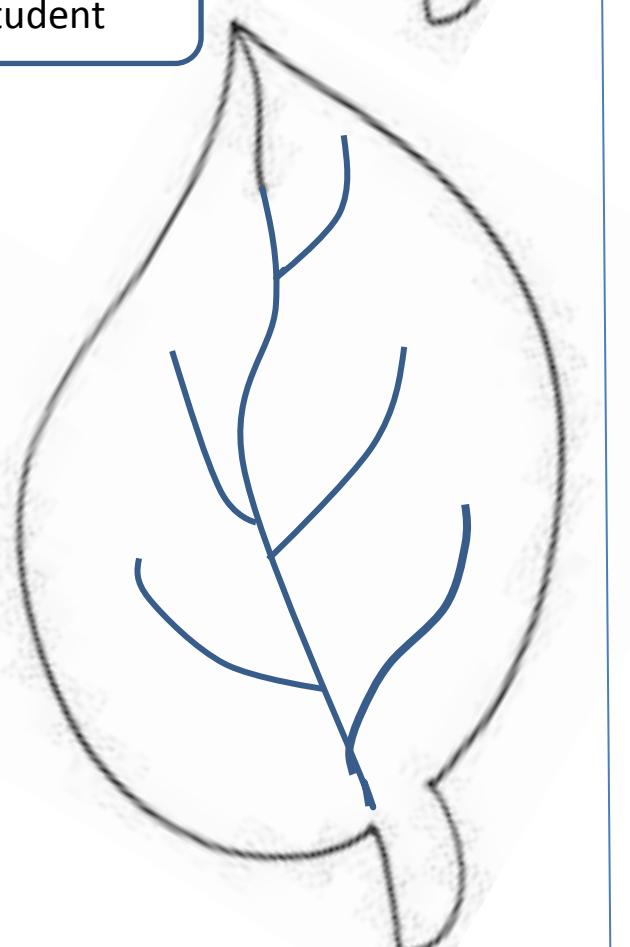
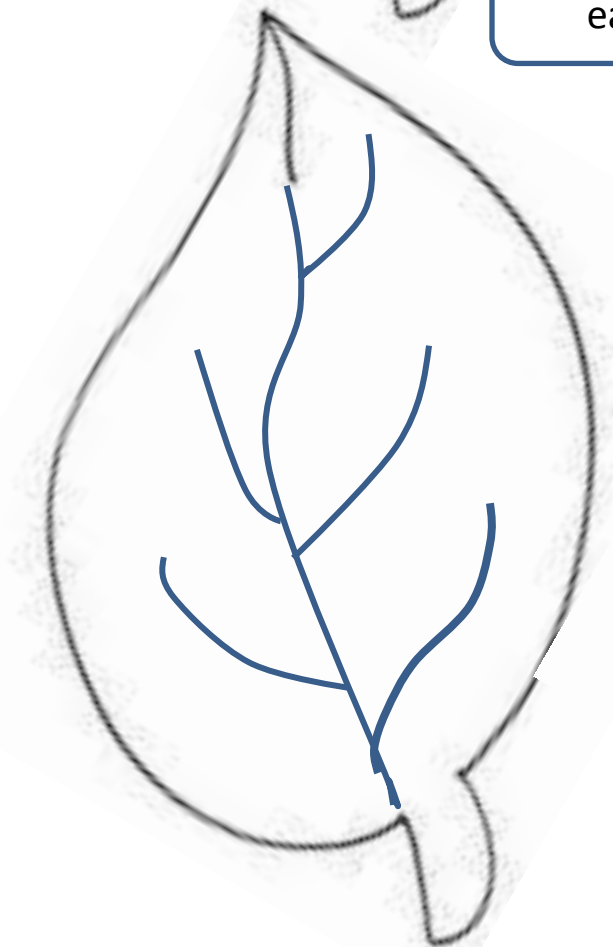


soil





1 copy in green/
each student



Life Box



This is my box, my favorite, my Life Box
This is my box, all the things that I need!
This is my box, my favorite, my Life Box
It helps sustain, life indeed!

In my box there's air, soil, water, and sun
To sustain life so I can play and have fun!
In my box there's air, soil, water, and sun!
To sustain life and to keep me on the run!

by Cheryl Bombenger

Wasting Water



Wasting water
Wasting water
Wasting water
Puts our planet at risk!



Wasting water
Wasting water
Put "CONSERVE" at the top of your list!

Flush the toilet...5 gallons!
A drip ...27 a day!
Water for this, water for that
We will run out of water this way!

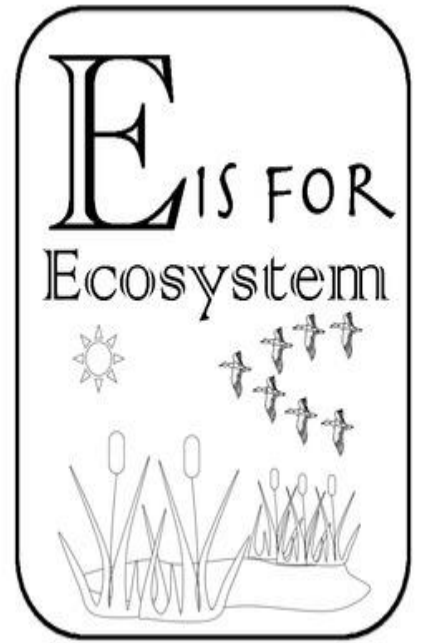
Em G D (Am Em)

by Cheryl Bombenger

Although the Forestry Project did not stop the loss of topsoil, shelterbelts did supply shade, beauty, less dust, and protection from cold. Shelterbelts around farmsteads continue to be used in this way. Although the windbreak itself did not stop soil loss, this report became the basis for silviculture in the Great Plains. The Project has been cited as "a remarkable example of applied ecology."

All the Ecosystems

Oh, they're fun, really fun...all the ecosystems
All the plants and the animals
Some fly, some swim, some run!
Oh, they're fun, really fun...habitats for each
Food chain after food chain with
Water in their reach!



Oh, there's ponds and rivers, mountains and plains
Lakes and oceans, deserts, and where there's rain!
Forests and tundra, salt water and fresh
Live in trees, lie in the water, or on land
Which is best?

by Cheryl Bombenger



D G D A

In many regions, more than 75% of the topsoil was blown away by the end of the 1930s. Land degradation varied widely. Aside from the short-term economic consequences caused by erosion, there were severe long-term economic consequences of the Dust Bowl.

Research ... DEBATE ... Vote
Worst Environmental Disaster in U.S. History

<http://goo.gl/NJ1urY>

Oil Spill in the Gulf of Mexico '10
Deep Water Horizon

Valdez Oil Spill on '89

The Dust Bowl of the 1930s

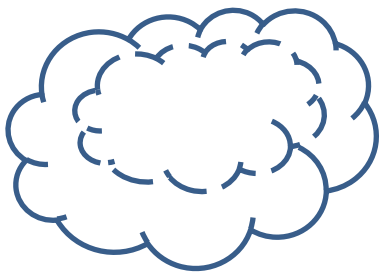
DDT (pesticide)

Make an anchor chart of all the “separate entities” students learned about after reading “Rose’s Journal.” (ideas: school, mom, dad, Christmas, eating, farm, friends, famous people, etc...) After students write, color brown, have a Black Blizzard throwing the wads of paper...then read with expression, read like a narrator, read like you were there.

Historical Fiction Writing:


[illegible]

Cause and Effect

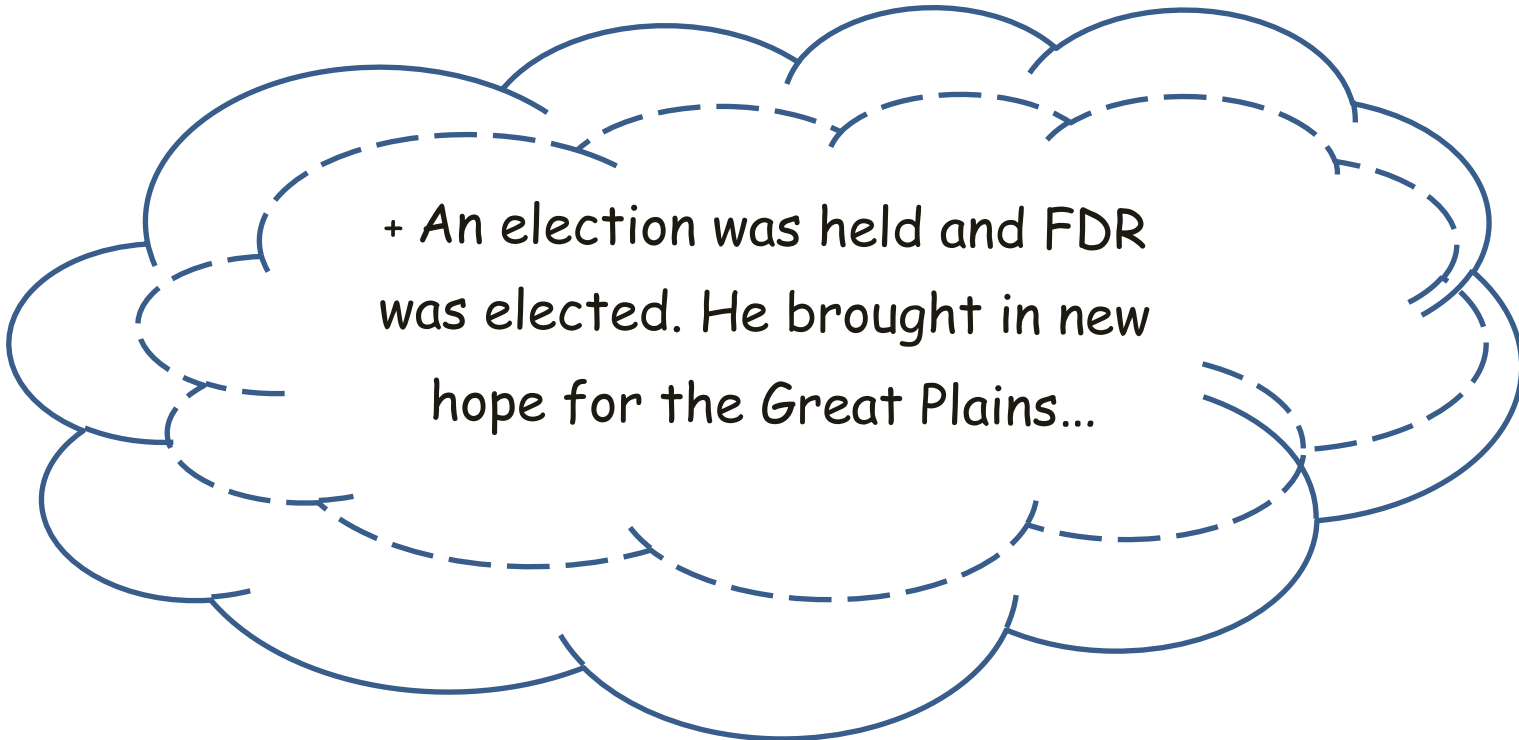


Duplicate similar shapes in the same color...example: clouds –blue; arrows: pink; rectangles: yellow. Students read and follow the progression with Cause...Effect! Tactile and kinesthetic benefits for students.

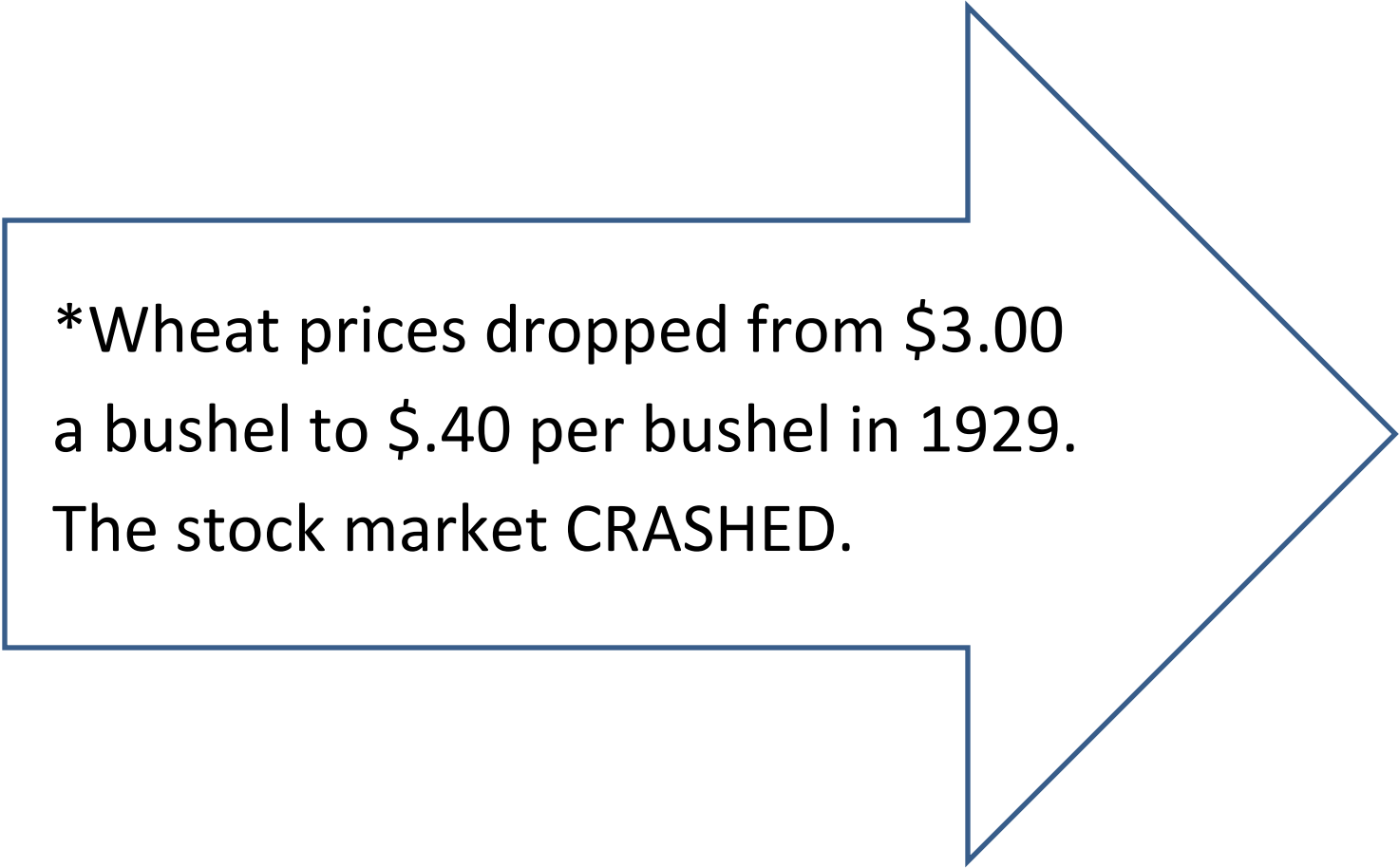
* Record wheat prices lured farmers to the plains, along with promises by land developers, (lies) encouraged farmers to plant more and more wheat. With new tractors purchased on credit, farmers dug up enormous amounts of land



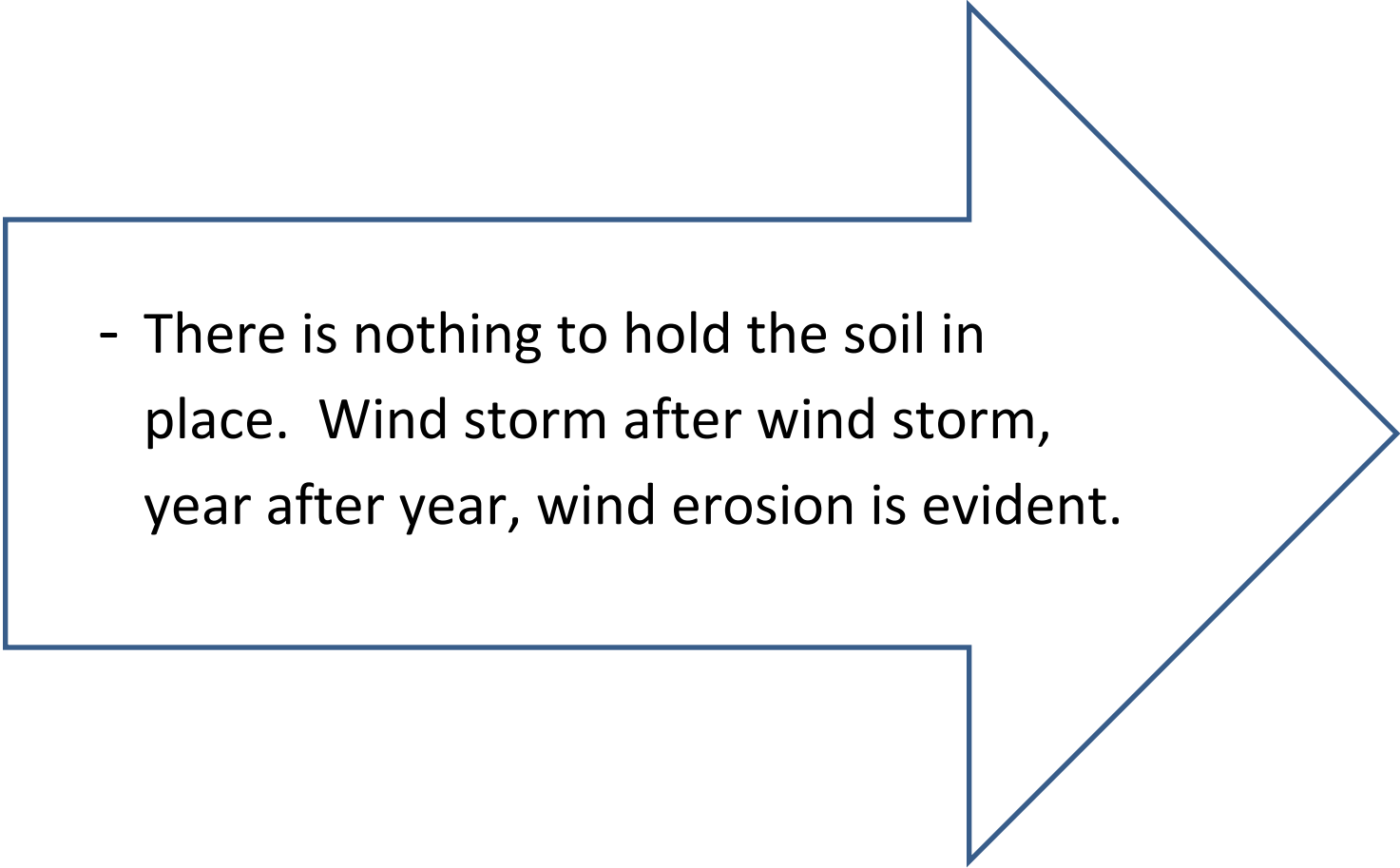
- Poor farming practices and drought conditions cause crops to wither and die.



+ An election was held and FDR was elected. He brought in new hope for the Great Plains...



*Wheat prices dropped from \$3.00 a bushel to \$.40 per bushel in 1929. The stock market CRASHED.

- 
- There is nothing to hold the soil in place. Wind storm after wind storm, year after year, wind erosion is evident.

+ The “New Deal” was FDR’s promise for the Depression and the Dust Bowl to end.

cause
and
effect

*Prosperity on the Plains came to an end. Farmers had loans to pay without any income. Farmers lost their farms and homes.

-The Plains are now referred to as the “Dust Bowl” of the continent. Black Blizzards are the names of the wind and dirt storms that would take a day to darkness in no time. 30 million tons of soil was lost from the Great Plains.
(enough to fill up half of the Grand Canyon)

+ The Emergency Farm Mortgage Act was passed and the Government purchased cattle to drive up cattle prices. (FDR's first)

cause
and
effect

Name _____



Find Someone Who...



... can tell you about the "Roaring Twenties"

... can tell you about the Great Depression

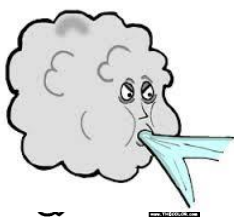


...can tell you about someone who was famous who lived in this era



...tell you what 25% of the population looks like
...that's what percentage of the population was unemployed

...can find the erosion in the dictionary



...can tell you why people were not happy...



depressed: antonym



... can tell you why students studied about Lindbergh

...can you their story of their hard life in the thirties (narrative)





"Popsicles Plus" can be an independent, small group, or whole group learning experience for your class. You can use them for numerous reading activities including decoding, comprehension, synthesizing, etc... Or...hand them out and have them put themselves in order to discuss the historical timeline of events. Have a team of scientists standing by to give suggestions your team of politicians who will be making major decisions for the country. Duplicate 2 copies of each and play a memory game.

<http://www.eatdrinkchic.com/post.cfm/diy-paper-popsicle-memory-game>

if you want to put them on a fancy backdrop, check out this site.

(plus more fun with free printables)

COPY, CUT, PUT ON A STICK, AND LET THE LEARNING BEGIN!

Timeline of the Black Blizzard

1931

Severe drought hits the midwestern and southern plains. As the crops die, the 'black blizzards' begin. Dust from the over-plowed and over-grazed land begins to blow.

September 1933: Over 6 million young pigs, slaughtered to stabilize prices. With most of the meat going to waste, public outcry led to the creation of the Federal Surplus Relief Corporation. Agricultural commodities were diverted to relief organizations. (apples, beans, canned beef, flour, and pork products, and eventually cotton (clothes) were distributed to relief channels.

1934
May: Great dust storms spread from the Dust Bowl area. The drought is the worst ever in U.S. history, covering more than 75 percent of the country and affecting 27 states severely.

1935 on Black Sunday the worst storm came and caused severe damage. The government creates The Drought Relief Service to organize relief activities. The FDR approves \$525 million dollars in drought relief, Emergency Relief Appropriation Act. The FDR also authorized the Works Progress Administration, which would employ 8.5 million people. People estimated that 850 million acres of topsoil has blown off the southern plains.

1936
The chief of the Los Angeles Police sends 125 police men to protect the borders of Nevada and Oregon to keep out the undesirables.

1937

The FDR's Shelterbelt Project begins. The project calls for the planting of trees across the Great Plains.

1938- the

amount of the topsoil blowing decreased, yet the drought continued on.

1939

In all, 400,000 people left the Great Plains, victims of the combined action of severe drought and poor soil conservation practices.

1939

The drought ended in result of the end of the Dust Bowl



Dealing With A Bully?

This isn't a new problem!

Simulate situations with your students... possible scenarios that people had to deal with who migrated to new places to help their families survive! Adults and children alike had to deal with “bullying” in their desperate fight to survive!



Migrants were called:

- Okies
- tin-can tourists
- Arkies
- Texicansdust
bowlers
- hillbillies
- harvest gypsies
- squatters
- fruit tramps

The migrant camps were referred to as:

- Weedpatches
- Little Oklahomas
- Okieville

Types of Abuse

Physical Abuse: hitting, kicking, punching

Verbal Abuse: name calling, jokes or offensive remarks

Indirect Bullying: spreading lies, secrets, rumors, or exaggerated stories

Social Alienation: pointing out the differences in others

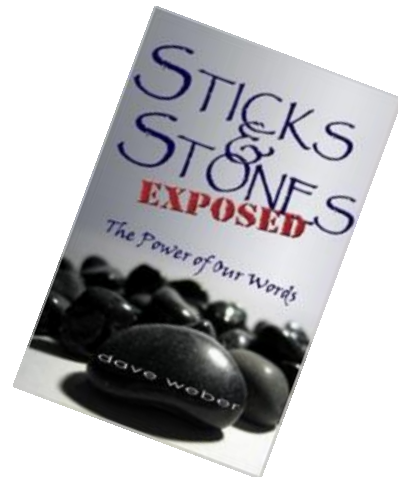
Intimidation Bullying: using threats to frighten

Sticks

and

Stones

Words can
& **hurt** more
than you **think**
they can



HELLO
MY NAME IS



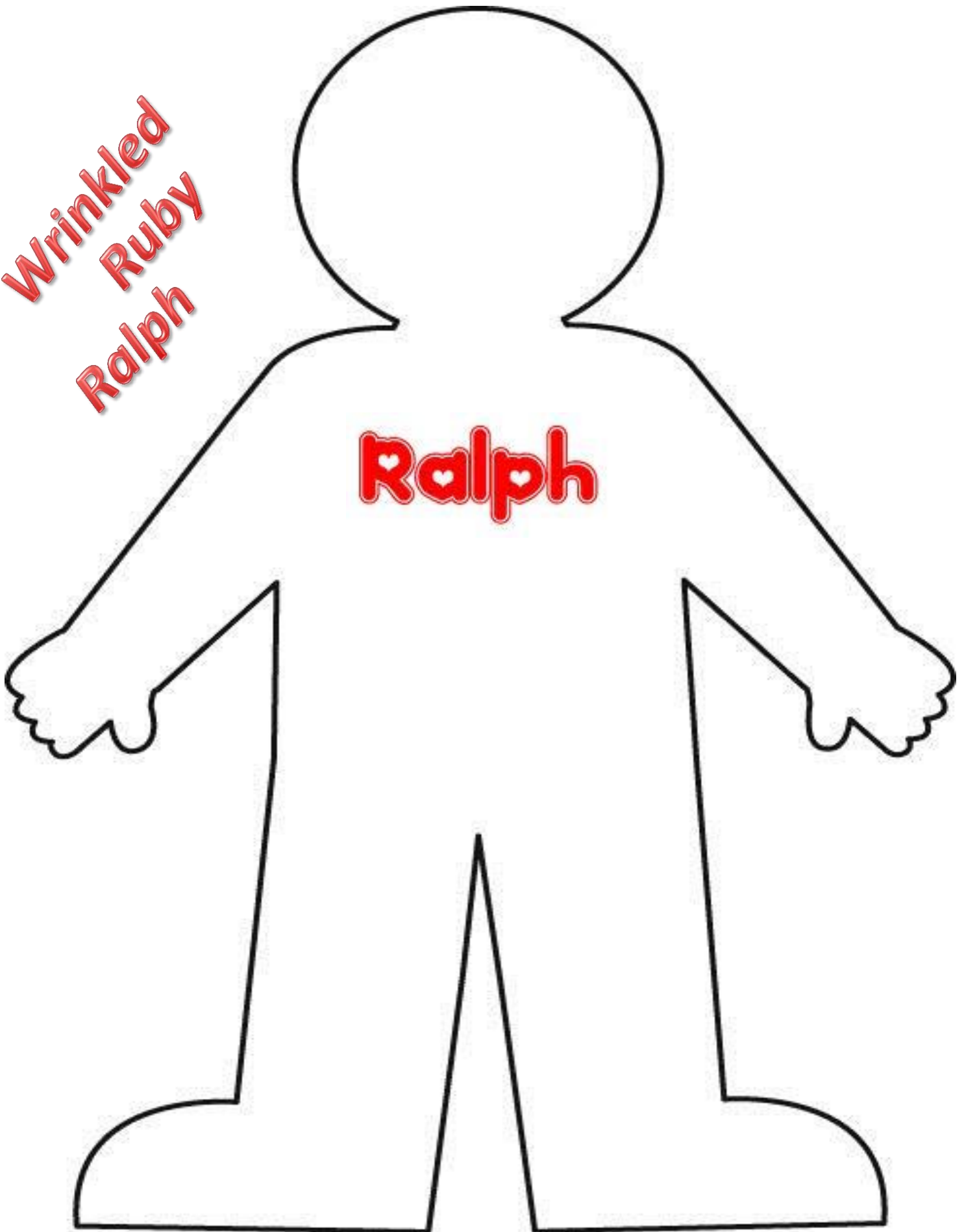
Buddy

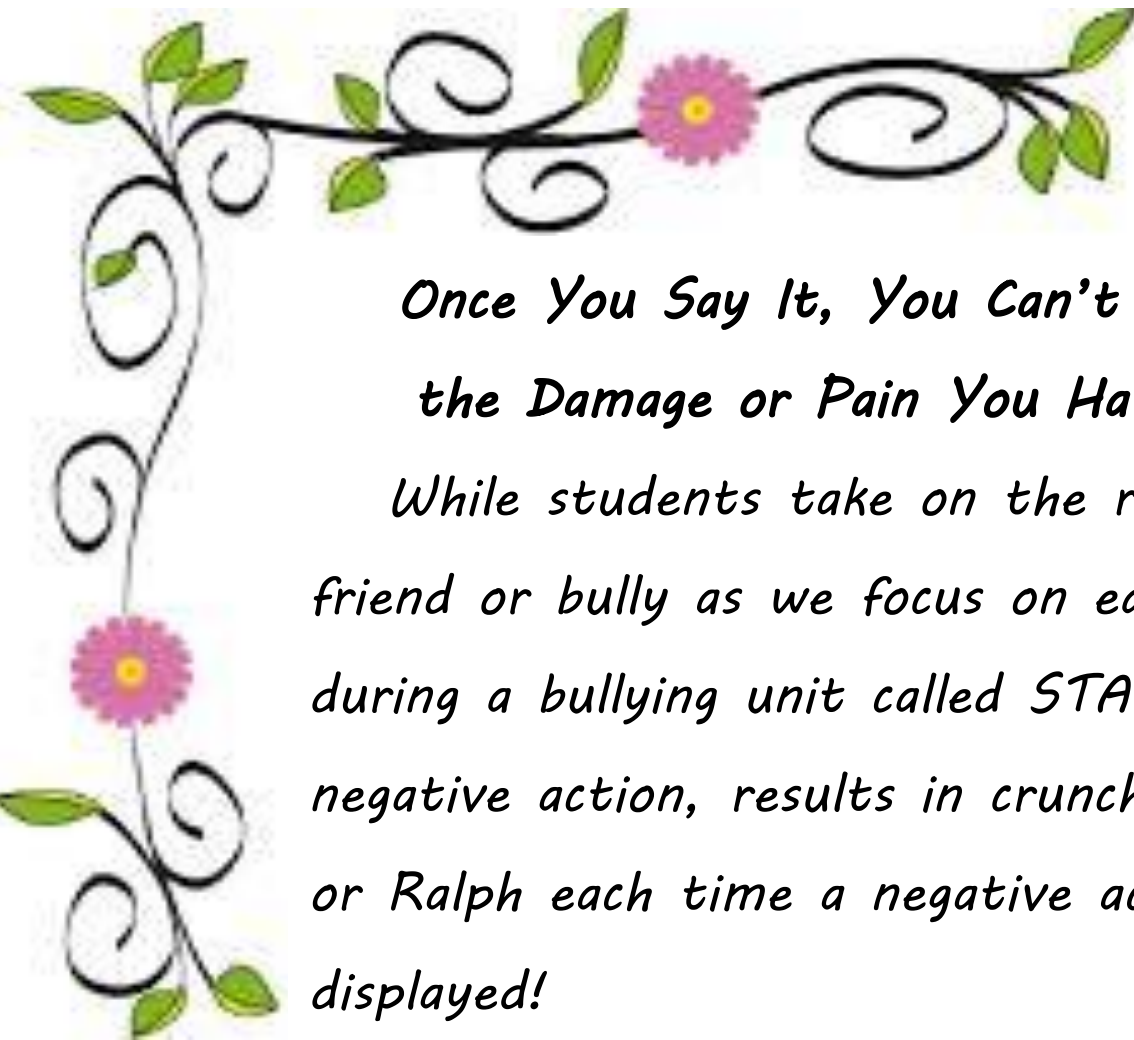


Bully

Wrinkled
Ruby
Ralph

Ralph





*Once You Say It, You Can't Take Back
the Damage or Pain You Have Caused*

*While students take on the real role of
friend or bully as we focus on each other
during a bullying unit called STAND Up. Each
negative action, results in crunching up Ruby
or Ralph each time a negative action is
displayed!*

*Students can then apologize and Ralph will
be as good as new... **WRONG!** Words have
lasting effects on all of us!*

Have students put their name
in a "Kindness Bucket"
each time they choose to act
like a good friend.



Figurative Language

HYPERBOLE

DEFINITION

an exaggeration used to make or prove a point

EXAMPLE

She was so hungry
could eat a horse,
but it wasn't her day
to eat.

PERSONIFICATION

DEFINITION

giving human characteristics to inanimate things

EXAMPLE

The wind was angry
as it screamed down
the plains, mocking
the once calm day.

IDIOM

DEFINITION

a word or phrase that means something different than what's said

EXAMPLE

It was only a light rain, but we acted like it was raining cats and dogs

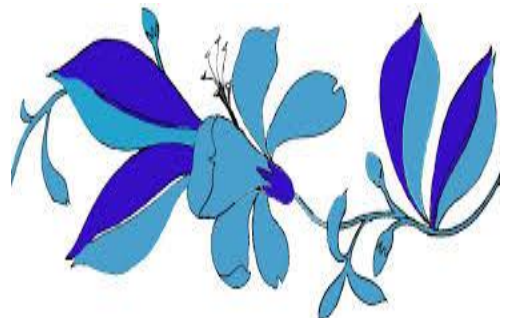
ALLUSION

EXAMPLE

The rise in poverty
will unlock the
Pandora's box of
crimes.

DEFINITION

reference to or
something of historical,
cultural, or literary
significance



ONOMATOPOEIA

DEFINITION
words that make
sounds

EXAMPLE
The wind *whistled* as
it picked up the dust,
soon *roaring* in as it
blanketed the town.

SIMILE

DEFINITION
comparison using
like or as

EXAMPLE
The day was as dark
as night as the dust
blanketed the town.

METAPHOR

DEFINITION
a comparison without
using like or as

EXAMPLE
FDR's "New Deal"
would be the cherry
on top.

SYMBOLISM

EXAMPLE

The Okies landed in a
new world,
unexpectedly
resilient.

DEFINITION

a writer uses symbols
within their writing that
take on a meaning

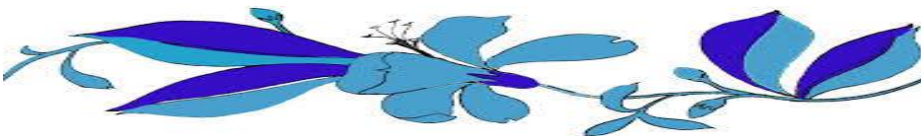
CLICHE

EXAMPLE

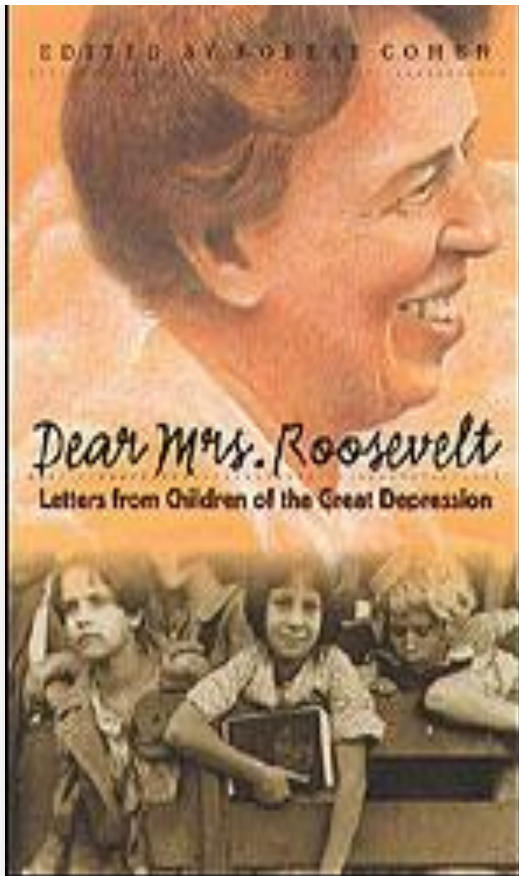
Only time would tell
the effects of year's
of economic disaster.

DEFINITION

a phrase or
expression that is
over used



Dear Mrs. Roosevelt:

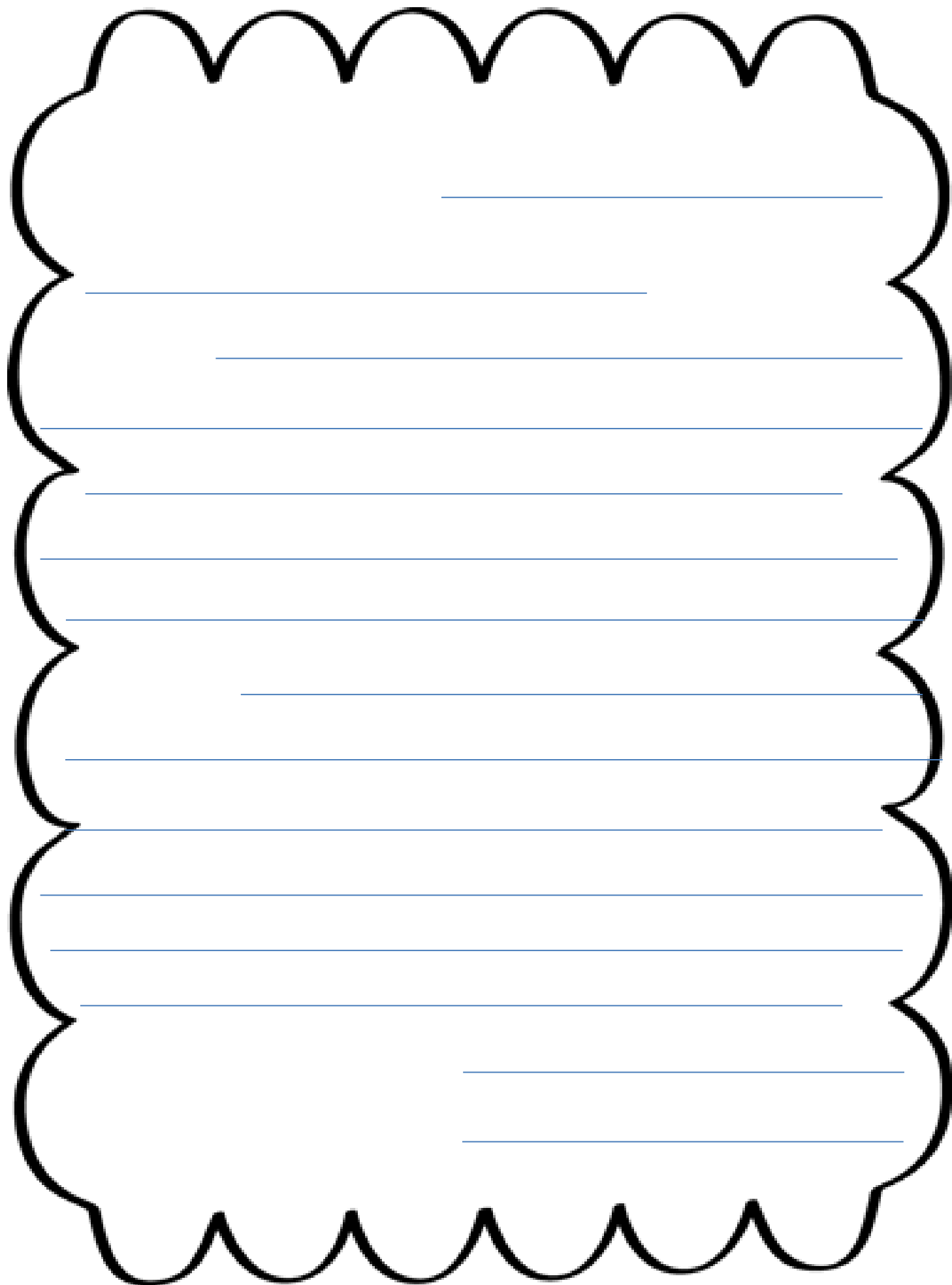


- How should Mrs. Roosevelt have responded?
- What adjectives would you use to describe the people who were affected by the Great Depression?
- Which would be the best use of Mrs. Roosevelt's time, responding to each of these letters, or working to establish programs like the NYA and CCC?
- Have any of you ever written to prestigious people about a particular problem? What response did you get?
- *At the end of the lesson, explain how Mrs. Roosevelt did respond to these and other similar letters.*

Impoverished young Americans had no greater champion during the Depression than Eleanor Roosevelt. As First Lady, Mrs. Roosevelt used her newspaper columns and radio broadcasts to crusade for expanded federal aid to poor children and teens. She was the most visible spokesperson for the National Youth Administration, the New Deal's central agency for aiding needy youths, and she was adamant in insisting that federal aid to young people be administered without discrimination so that it reached blacks as well as whites, girls as well as boys.

This activism made Mrs. Roosevelt a beloved figure among poor teens and children, who between 1933 and 1941 wrote her thousands of letters describing their problems and requesting her help.



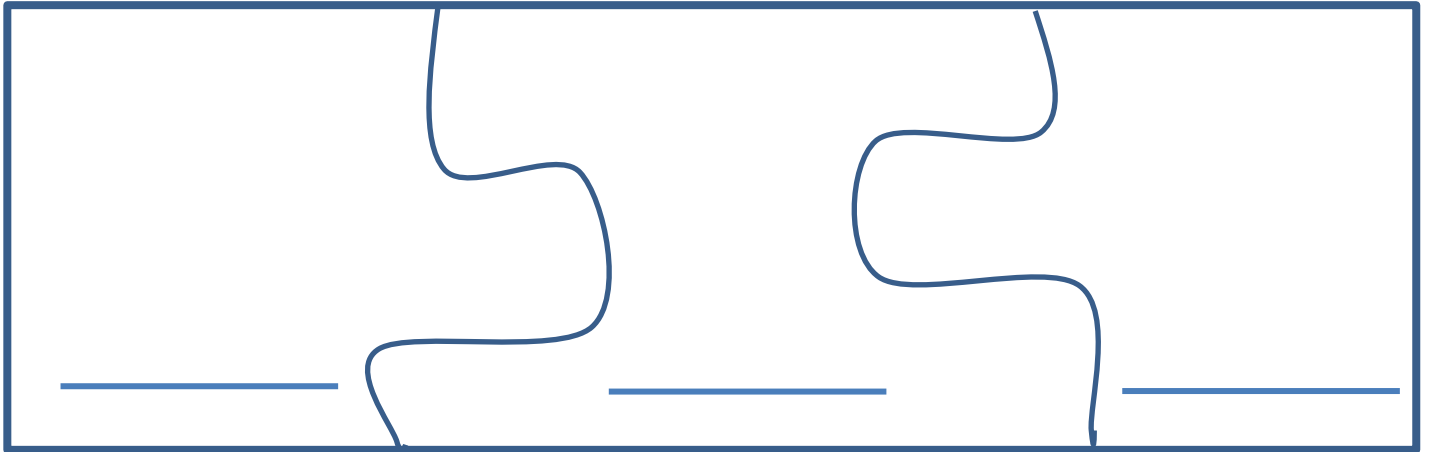


Name _____

Build the word...sounds or syllables:

blizzard
depression
erosion
decade
poverty
migrate

Pick and share ideas:



Print the word...Then write it in cursive

Rhyme the word

Define the word

Write it in a sentence



APPROACHING DUST STORM IN MIDDLE WEST.

#525
GONARD



POST CARD

Postage:
United States,
and Island
Possessions,
Cuba, Canada
and Mexico
One Cent.
For all other
Countries
Two Cents.

Write a postcard from someone's perspective who lived in the 30's. Diversity is the key...a mother, father, child, banker, etc..

Found on Pinterest



Create A Beehive:

Use cardboard egg cartons and bulletin board paper for the hive. Add yellow translucent wadded up paper for the honey and capped the cells with wax paper. Add large yellow pompoms for the pollen in the hive. Display your queen bee and worker bees. Even connect some of them like they do when they want to extract the wax from their bodies to make more cells or to cap off cells.

Great Bee Unit and Fun Ideas: <http://msbarbarasblog.blogspot.ca/2013/04/beesa-preschool-study.html>



Toilet paper rolls to create bees and honeycomb. Use large bubble wrap to paint and press as well.

Bees In the 'Bowl'

The 20s had ups and downs for the bee, honey, and the candle making industries, with more downs, and the Great Depression to come.

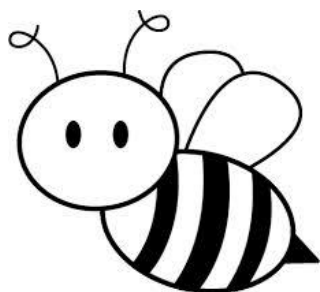
The Depression affected beekeepers in several ways. The drought had more disastrous effects than the Wall Street crash. Then came strip mining and deforestation. The droughts caused many orchards to wither and die.

In North Dakota, bees could not survive, much less make honey. (p.176) After so much careless land use and drought, farmers changed their crop.

Financial shortfalls took their toll on beekeepers. According to the 1933 American Bee Journal, many Iowa orchard farmers were unable to pay for proper spraying, and thus, many orchards were chopped down. Just as orchard growers neglected their trees, beekeepers neglected their hives. Many boxes went without paint and repair. Some honeycombs were eaten by moths and mice. Many colonies just plain staved and died. Many beekeepers had to become self-reliant and forged through the Depression. Honey sold for under 3 cents a pound. Salaries were low, and it took years to get loans from the government to stay afloat.

"Bees In
America"
How the
Honey Bee
Shaped A
Nation
By
Tammy Horn

Pollination Experiment



Name _____

Let's begin with...

1. Lunch bags for each student
2. Copy, color with colored pencil, and cut flower out
...glue on to bag
3. Make bee finger puppet
4. Fill the bottoms of their bags with Cheetos.
5. Students go from bag to bag sucking nectar from
the flower (snacking on Cheetos). They cannot lick
or wipe their fingers (the cheese dust represents
the pollen).
6. Students then visit the flowers of their friends
"landing" on it with their fingers. (represents
pollination)
7. Complete pollination sheet.
8. Bee Book: begin by drawing and writing what
students know about bees...do this at the
beginning and at the end and compare the amount
learned



Get the Buzz about honey bees @ Scholastic:

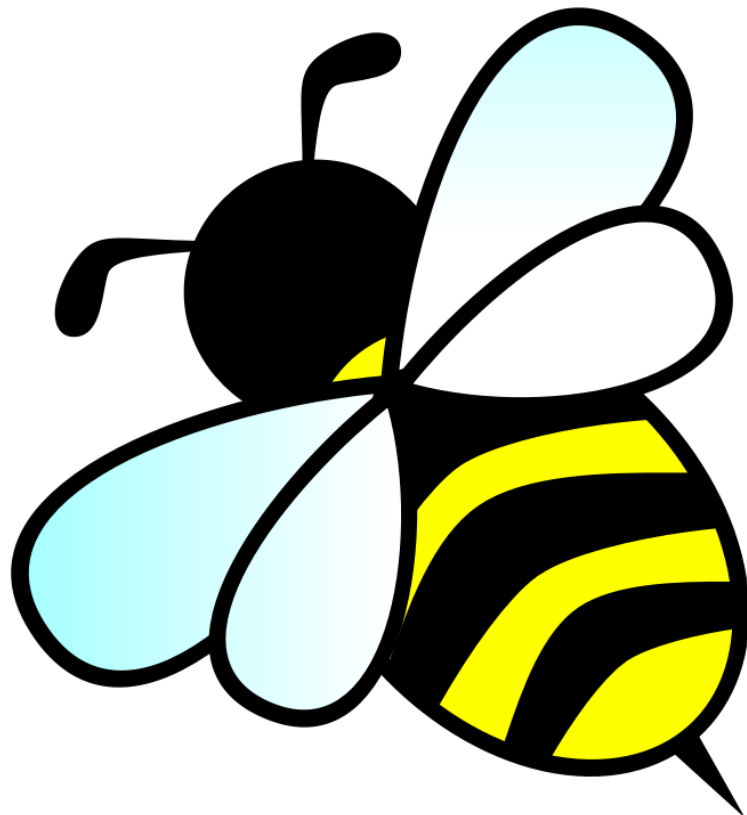
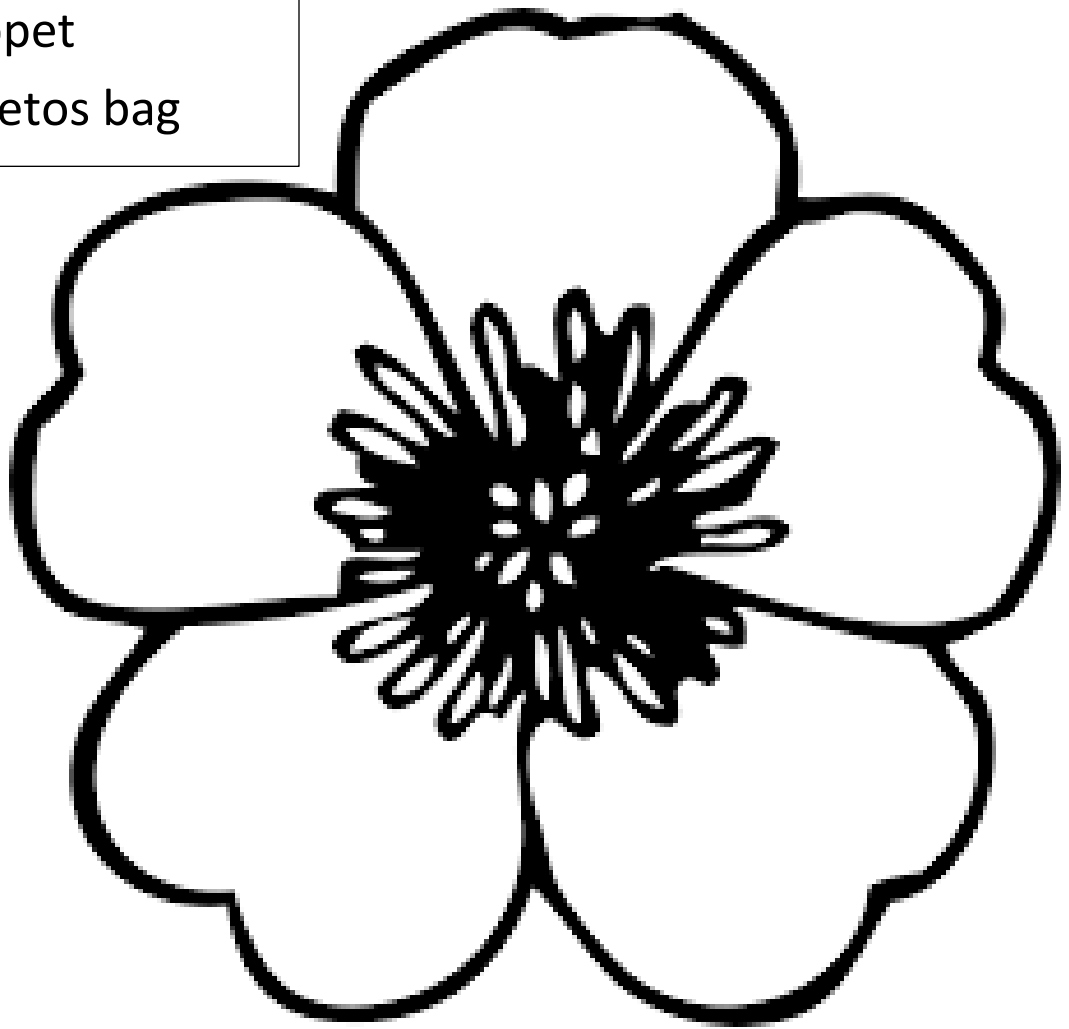
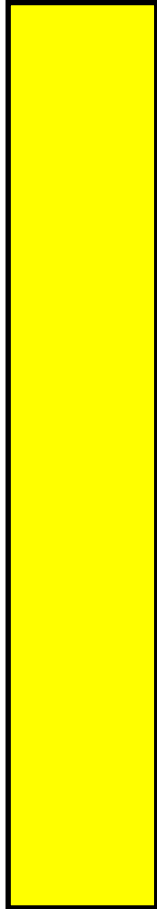
<http://goo.gl/lfuB8H>

<http://idahoptv.org/dialogue4kids/season14/bees/teachers.cfm>

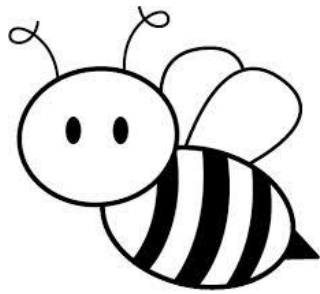
... for Sites and Sounds of Bees

- bee finger puppet
- flower for Cheetos bag

Finger Ring to Glue to Back of Bee



Pollination Experiment



Name _____

Draw

Explain

My hand represents:



My bag of Cheetos represent:



When I touch a friend's flower:





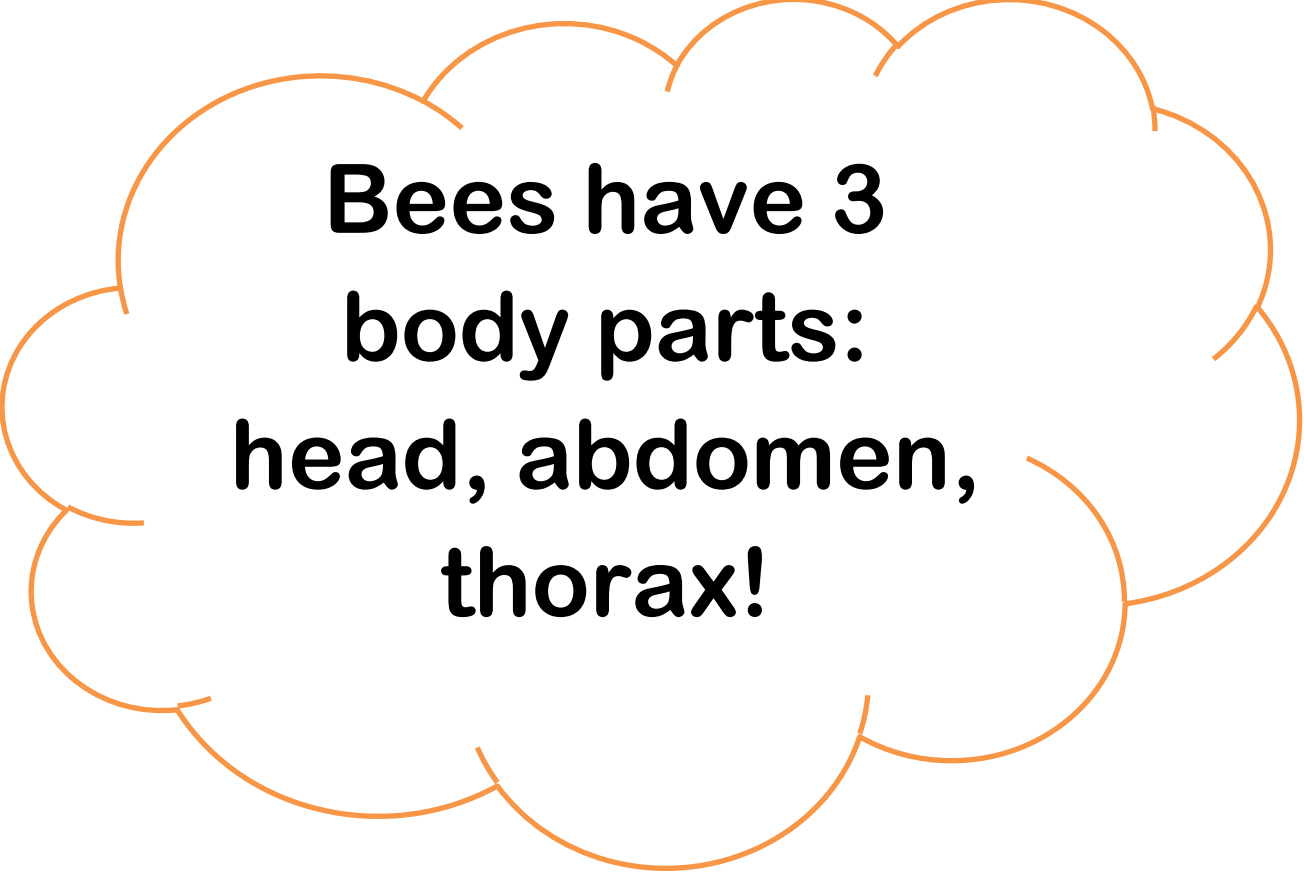
BEEES




**Bees have 5
eyes ...WOW!**




**200 bees can
live in one nest
together.**




**Bees have 3
body parts:
head, abdomen,
thorax!**

A decorative orange cloud-like border with multiple rounded lobes surrounding the text.


**Bees drink
nectar from
flowers.**

A decorative orange cloud-like border with multiple rounded lobes surrounding the text.

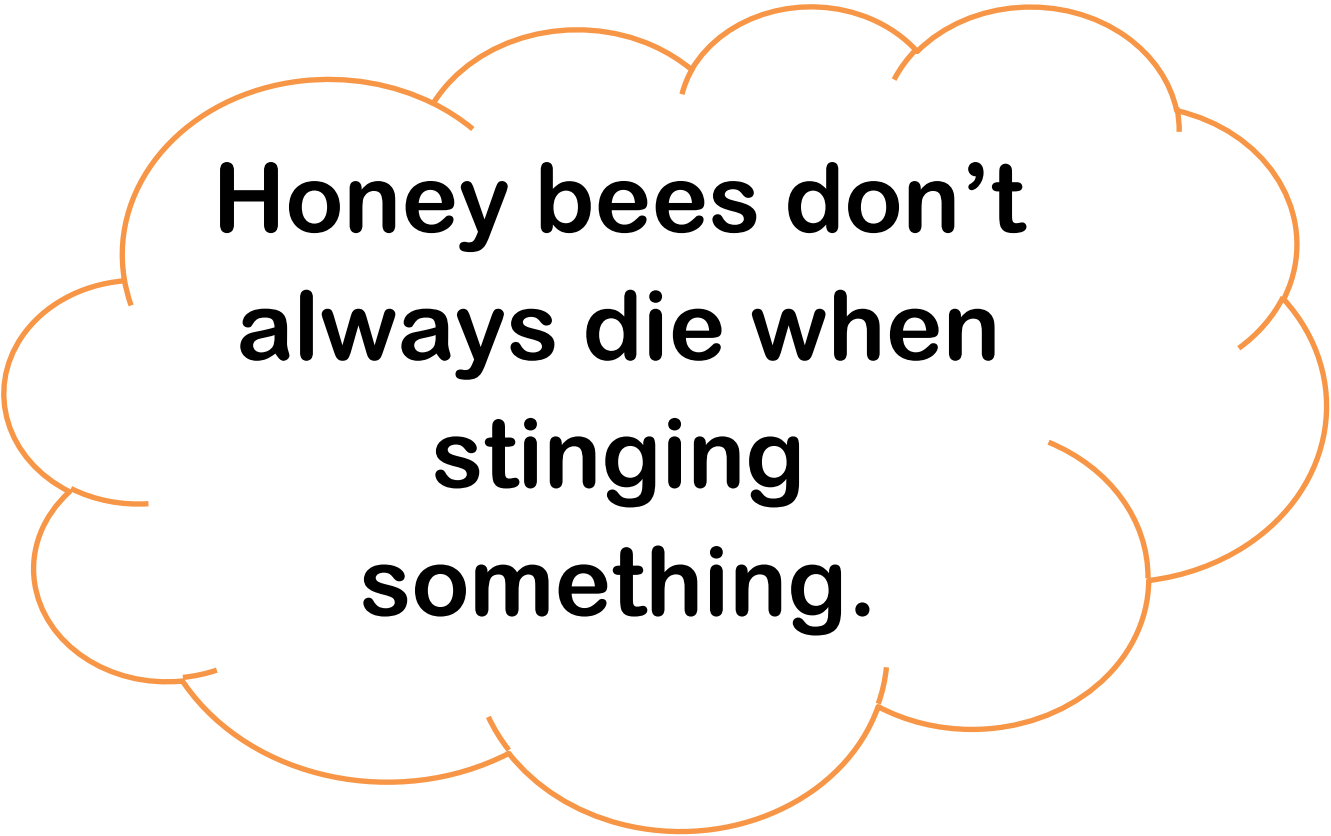
**Bees have
hairy bodies!**

An orange-outlined cloud shape with a scalloped border, containing text.

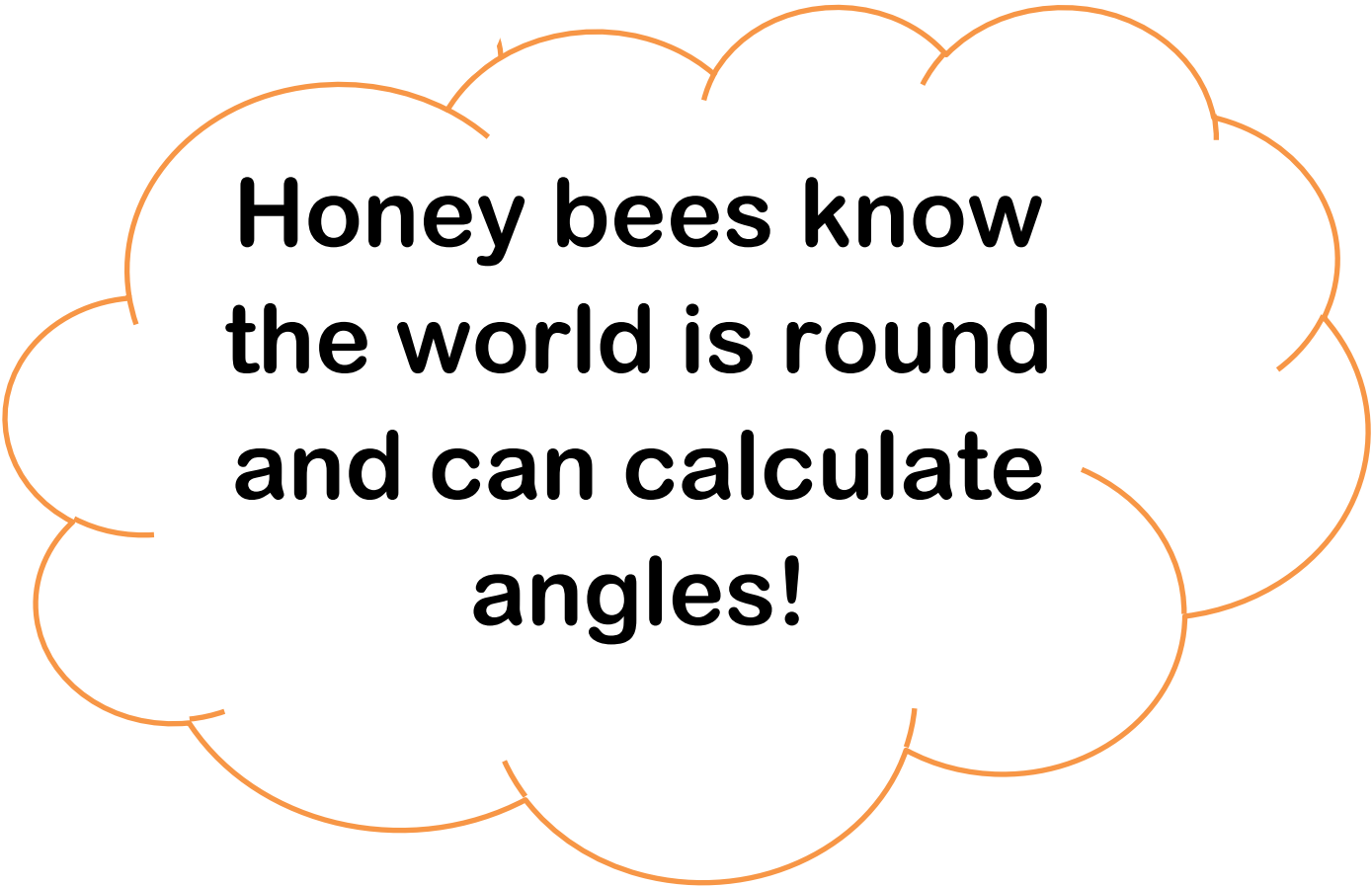
**We can thank a
pollinator for up
1/3 of the food
we eat.**

An orange-outlined cloud shape with a scalloped border, containing text.


**85% of plants
exist because of
bees!**



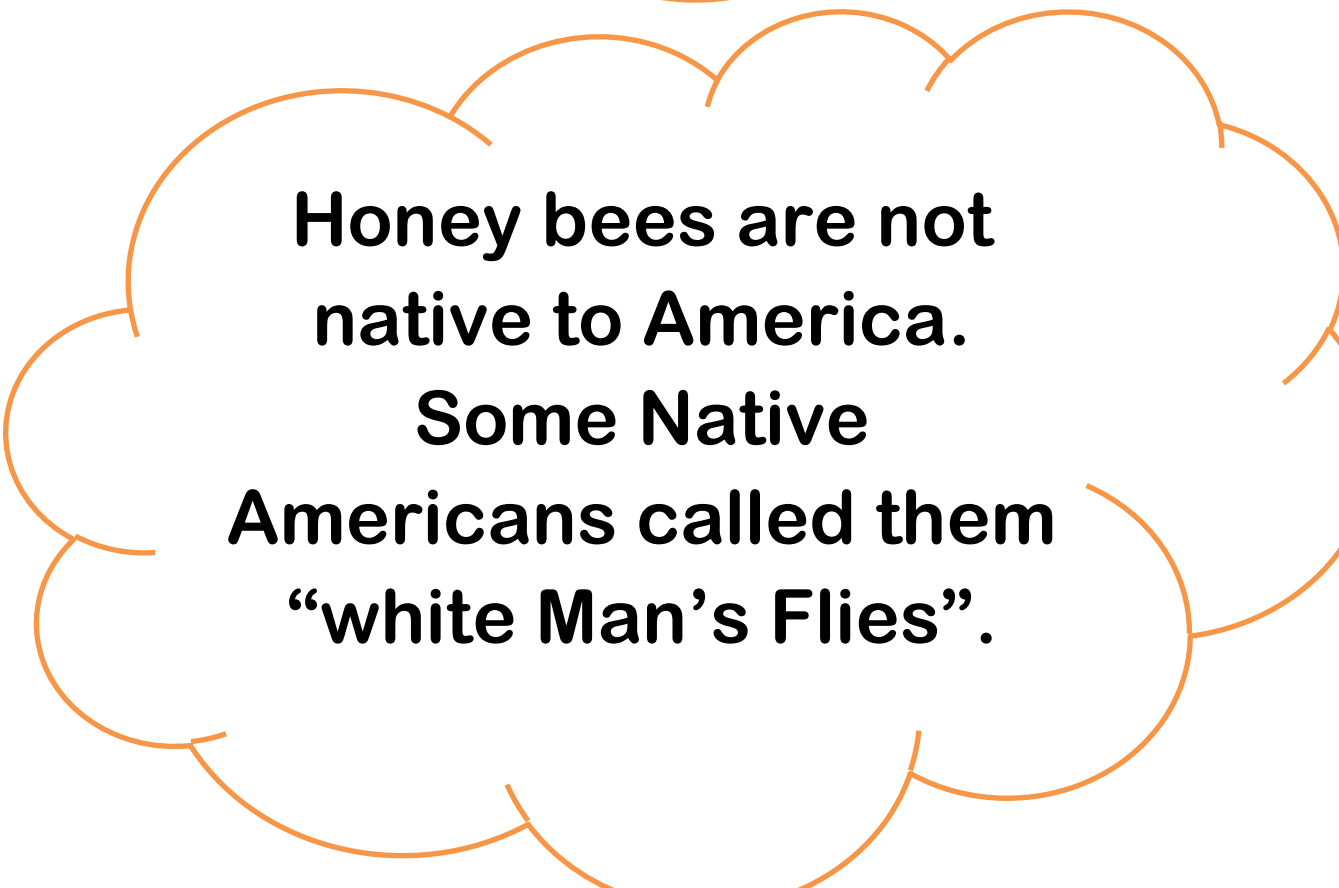
**Honey bees don't
always die when
stinging
something.**



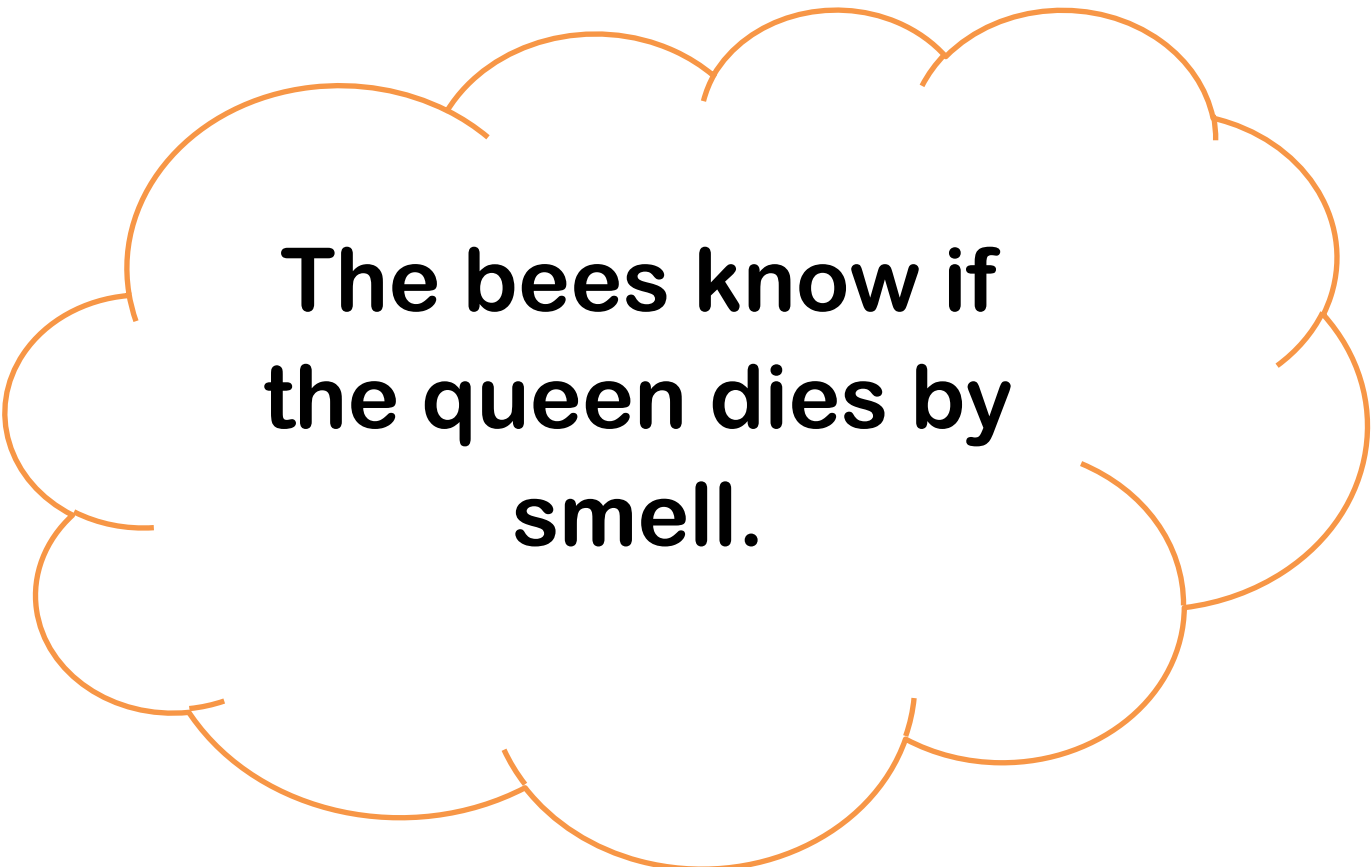
**Honey bees know
the world is round
and can calculate
angles!**

A decorative orange cloud-like border with multiple rounded lobes surrounding the text.

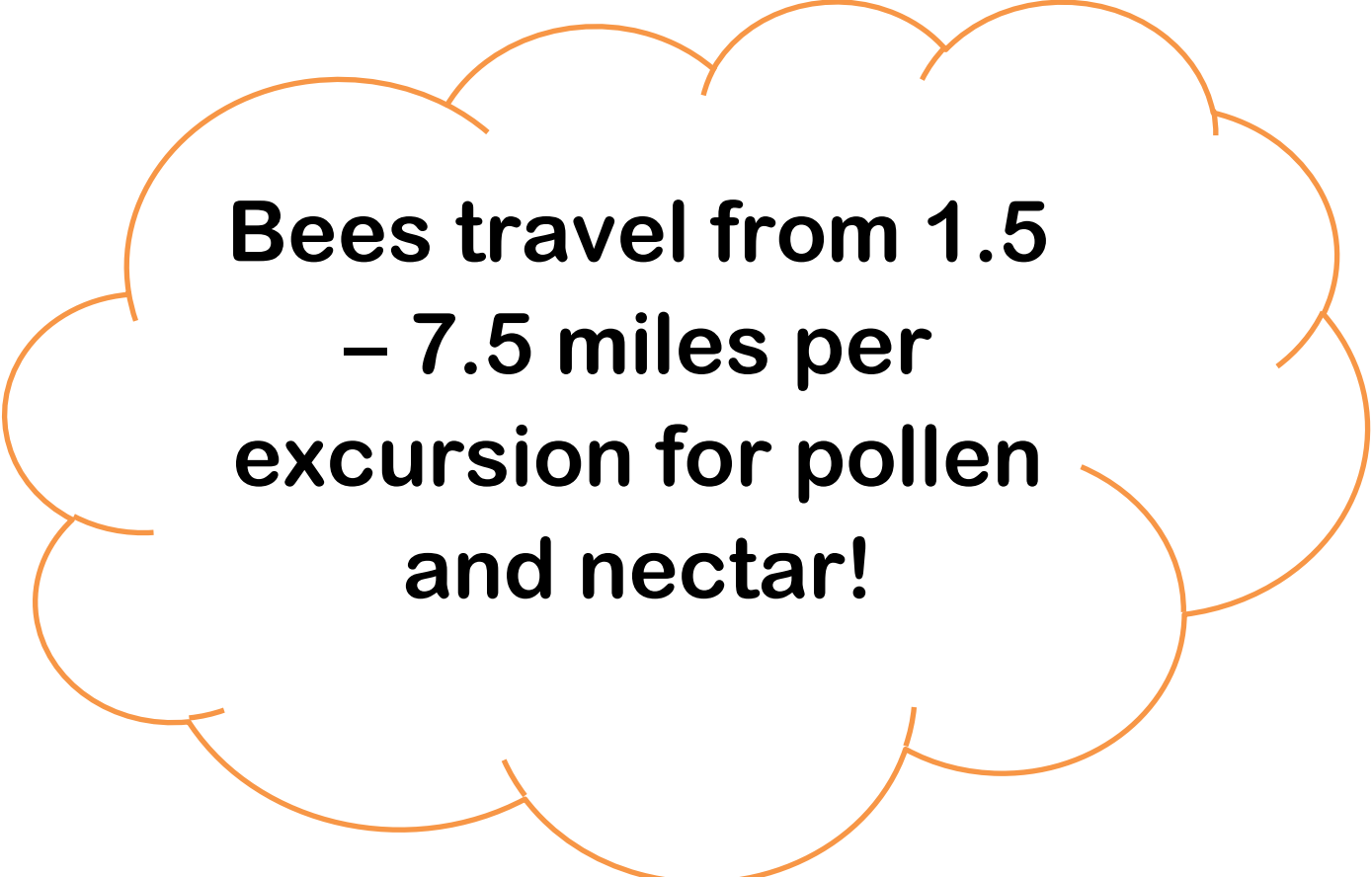
**Honey bees make honey
by taking nectar from
flowers and mixing it
with enzymes from
glands in their mouths.**

A decorative orange cloud-like border with multiple rounded lobes surrounding the text.

**Honey bees are not
native to America.
Some Native
Americans called them
“white Man’s Flies”.**

A decorative orange cloud-like border with multiple rounded lobes surrounding the text.

**The bees know if
the queen dies by
smell.**

A decorative orange cloud-like border with multiple rounded lobes surrounding the text.

**Bees travel from 1.5
– 7.5 miles per
excursion for pollen
and nectar!**

Round and round
The winds did spin
They pick up dirt and more dirt.
No rain, none in sight
The crops wither away
The Dust Bowl is given its birth.

No money, no food
No income, no work
No farm, when the bank takes it away.
Factories shut
Live were changed
The "Dirty Thirties, here to stay.

Dust in our lungs
Dust in our clothes
Dust in our sheets
All through.

Dark were the days
Light up the lamps
Masks on our faces needed too.

Black Blizzard, Black Blizzard
Kills crops and darkens the skies
Black Blizzard, black blizzard
Kills as the dust does fly.

Poor migrants traveled on Route 66
From the plains and the south they came
On to California, through the mountains and deserts
Now were known as an Oakie just the same.



Black Blizzard

by Cheryl Bombenger

