

CREEK WEEK ART/SCIENCE MENTORING PROJECTS
TEACHER PACKET
Contents

Overview

Art Selection Criteria and Process

Student & Teacher/ Contact Information for Art Submission

Everyone is Welcome to be a Part of Creek Week 2013 <http://www.creekweek.net>

Mini Activities – 2 pages from “Dipping Into Creeks” available www.saccreeks.org
<http://saccreeks.org/wp-content/uploads/2011/09/Dipping-Into-Creeks-curriculum.pdf>

Which Watershed – page 9

Rain and Runoff – page 10

Looking At A Watershed – page 10

Glossary – 3 pages from “Dipping Into Creeks” – pages 57 through 59

Sacramento County Creeks Map at www.saccreeks.org or
http://www.sactostormwater.org/documents/brochures/SacCountyCks_17x22.pdf

Your Place In the Watershed worksheet

Your Place In the Watershed worksheet – Teacher’s key

Circle Which of These Things Belong in a Creek worksheet

Circle Which of These Things Belong in a Creek worksheet – Teacher’s key

Creek Week Word Search

Creek Week Word Search – Teacher’s key

Creek Life & Creek Ecology – A Quick Guide

Why We Need Healthy Creeks

Help Create Creek Week Art! An Overview

This teacher packet is provided to assist with team-teaching projects receiving Sacramento Area Creeks Council grant funding. Older students will mentor students at least 2 grade levels below them. At least one science lesson or activity will precede the art creation by the younger students. A science teacher will guide the older students in development & execution of their teaching or field trip activity. An art teacher will direct the younger students as the art is created in the classroom. All student art must be submitted to Sacramento Area Creeks Council by December 14, 2012.

Students will use their knowledge of creek life, creativity and art skills to paint an eye-catching picture that will inform others about creek life. Pictures might communicate one of the following messages:

Creeks are places close to home where people can relax, play and observe the natural world.

Creeks need our help to remove garbage from litterers and illegal dumpers.

Creeks help protect us from flooding by carrying stormwater to the rivers.

Creeks and the plants that grow along them provide food, water and shelter so that wild animals can live in the city.

Healthy creeks mean cleaner water.

People who care for creeks are less likely to do things that are harmful to creeks.

How Student Art will be Used for Creek Week

Creek Week promotional items will feature student art submitted. These items include T-shirts, brochures, bookmarks, posters, newspaper ads, pins and mugs. One or several student pieces may be selected. An art-piece in its entirety or a part of it may be selected to be featured in the promotional items.

Logo Selection Questions and Answers:

How are entries selected?

Selections are based on creativity, originality, and effectively communicating the nature, value or neediness of urban creek life. Student artwork will be returned to the schools by February 15, 2013 so that the students and teachers can prepare for public exhibition in late winter or spring.

When is the deadline? Teachers submit student art by December 14, 2012.

Where should art pieces be submitted?

Art teachers will make arrangements to deliver student entries with Alta Tura.

For any questions call Alta at 916-454-4544 or email saccreeks@gmail.com

Art Entry Rules:

1. Entry must have all contact information on the back or attached.
2. Entry must be the artist's original creation.
3. Design may not incorporate any copyrighted or trademarked characters, nor violent content.
4. Names of student artists and their entries may be used for announcements and promotions. Photos of student artists may also be taken and used for these purposes.
5. All submitted entries remain property of Sacramento Area Creeks Council (SACC). We reserve the right to modify any art and use it for promotional purposes. By signing below, the parent or guardian (a) authorizes SACC to use, publish, display, modify and dispose of the artwork and any photo of the artist, (b) agrees that upon submittal of the artwork SACC shall own the artwork and any rights of copyright, and (c) waives any right to prevent the destruction of the artwork.
6. Pictures must be 8 by 8 inches and submitted on 8.5 by 11 paper.

CREEK WEEK ART SUBMISSION

Student/Artist Contact Information (Required):

Full Name:

Age:

Grade:

Address:

City:

ZIP Code:

Home Phone:

School Name:

Teacher Name:

Parent/Guardian Authorization (Required for all entrants):

I hereby authorize Sacramento Area Creeks Council (SACC) (a) to use, publish, display, modify and dispose of the artwork and any photo of the artist, (b) agree that upon submittal of the artwork SACC shall own the artwork and any rights of copyright, and (c) waive any right to prevent the destruction of the artwork.

My signature is acknowledgment that I have read and agree to the terms of the Creek Week Art Submission

Parent/Guardian Signature:

Date:

Print Name of Parent/Guardian:

Phone and/or Email:

Note: A parent or guardian must read, agree to and sign this authorization. Only entries with authorization will be considered.

Return this Form to student artist's art teacher.

Student artwork must be delivered to Sacramento Area Creeks Council by **December 14th, 2012, 2 p.m.**

Everyone is welcome to be a part of Creek Week 2013.

During Creek Week you will enjoy, explore and learn about our local creeks and aquatic life.

Go on a field trip and learn about the plants and animals at the creek. You might see birds, beaver, fish, bugs, flowers, trees and more!

Various activities from April 6 through April 13

Be a volunteer on the clean-up day. Join in with other volunteers to remove garbage from a creek. Over 50 creek spots are cleaned on the clean-up day. Volunteers also test water quality and remove invasive plants.

Saturday, April 13 from 9:00 a.m. until noon

Attend the Celebration at Carmichael Park and get a free hot dog lunch and T-shirt. Enjoy games, exhibits and entertainment by Radio Disney. Create a Junk & Gunk sculpture and enter it in the contest.

Saturday, April 13 from Noon until 2:00 p.m.

Creek Week is for people who like to explore and learn about new places. You might make new friends, get wet and muddy or create art from trash. You will feel great about the work you have done to protect our environment.

www.creekweek.net

916 454-4544

Name_____

Your Place in the Watershed Worksheet

This activity helps you find your place in the watershed. Study the map of Sacramento County Creeks, use a blue crayon to color the waterways, then answer these questions. Hint: Creeks and rivers here run from east to west and from north to south.

1. Three tributaries enter Arcade Creek north of Madison Avenue and west of Sunrise Boulevard. What are the names of those tributaries?

a. San Juan Creek

b. _____

c. _____

2. Name another tributary of Arcade Creek: _____

3. Put a green dot on the map to show where your school is located. Can you tell if rainwater falling at your school drains to a creek? Yes No If yes, name the creek.

4. Notice the lines that show the East Drainage Canal and Natomas East Main Drain Canal and compare them to the lines that show the creeks. What is one difference between a creek and a canal?

5. Name the two rivers of the Sacramento area.

a. _____ b. _____

6. _____ water supports more forms of life.

circle one: Clean Polluted

7. Arcade Creek flows to the Natomas East Main Drain before it enters the _____ River.

circle one: American River Sacramento River

Use this worksheet after Mini-Activities 5, 6 & 7. The 3-page glossary should help with unfamiliar terms.

Your Place in the Watershed Worksheet

This activity helps you find your place in the watershed. Study the map of Sacramento County Creeks, use a blue crayon to color the waterways, then answer these questions. Hint: Creeks and rivers here run from east to west and from north to south. **Blue over creeks, rivers, sloughs, canals and channels.**

1. Three tributaries enter Arcade Creek north of Madison Avenue and west of Sunrise Boulevard. What are the names of those tributaries?

a. San Juan Creek

b. **Brooktree Creek**

c. **Coyle Creek** Also accept Cripple Creek & Mariposa Creek.

2. Name another tributary of Arcade Creek: **Verde Cruz Creek, Kohler Creek**

3. Put a green dot on the map to show where your school is located. Can you tell if rainwater falling at your school drains to a creek? Yes No If yes, name the creek.

Accept **Any reasonable answer**

4. Notice the lines that show the East Drainage Canal and Natomas East Main Drain Canal and compare them to the lines that show the creeks. What is one difference between a creek and a canal?

A creek is formed by nature, so it has curves. A canal is man-made and mostly straight.

5. Name the two rivers of the Sacramento area.

a. **American** b. **Sacramento**

6. _____ water supports more forms of life.

circle one: Clean Polluted

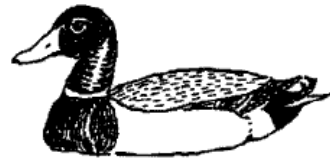
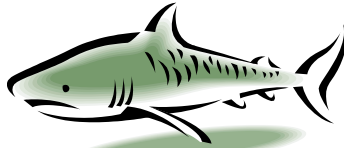
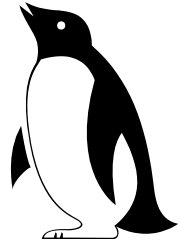
7. Arcade Creek flows to the Natomas East Main Drain before it enters the Sacramento River.

circle one: American River Sacramento River

Name _____

CIRCLE WHICH OF THESE THINGS BELOW BELONG IN A CREEK.

CAN YOU NAME THEM? CAN YOU LIST WHERE THE OTHER ITEMS BELONG?

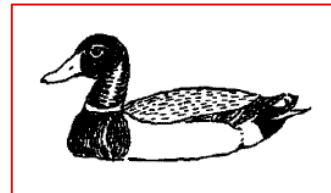
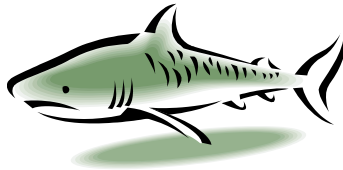
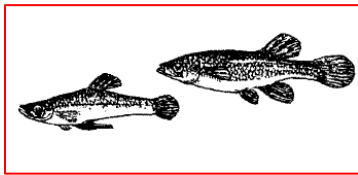
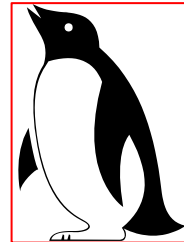
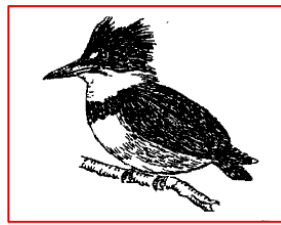
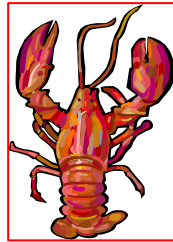


Teacher - **Items that belong are in a box**

Cattails, poison oak, crayfish, belted kingfisher, mosquito fish, earthworm, mallard, raccoon, spider web, skunk

CIRCLE WHICH OF THESE THINGS BELOW BELONG IN A CREEK.

CAN YOU NAME THEM? CAN YOU LIST WHERE THE OTHER ITEMS BELONG?



CREEK WEEK WORD SEARCH

Name _____

A M F O L L O W D I R E C T I O N S Y K
Q C O Y L E C R E E K X W L D I A C T C
K W R S P I D E R W E B I S U D R A U A
O J I L Q I C A N A L R L C C O C U W T
H W I O U I E T O M A L L A R D A E I T
L A K U I T T P R I C T O V A L D N L A
E V R G E E K O S A V U W E Y R E G D I
R O E H T R W I F L I T X N F N C E G L
C L R E S H O S O I L N Q G I E R U R S
R U N T T Y Z O O R S B U E S G E S A M
E N A R R S H N D I P H I R H D E E P C
E T A F I N A O C I D O A L O O K L E A
K E E P B E W A H J E L P W O O D E T R
N E S K U N K K A L R U N O F F E S T N
X R A C T U L Y I C W I E T O R M S O I
A I N E A C C O N S E R V E L O C W U V
W A T E R S H E D W O C O E N G E A B O
I N X O Y I M U D E S S L A R V D T I R
R E M O V E T R A S H R E J U M A E L E
W O B E L T E D K I N G F I S H E R V T

Arcade Creek, belted kingfisher, canal, carnivore, cattails, conserve, Coyle Creek, crayfish,

earth worm, food chain, frog, hawk, Kohler Creek, mallard, poison oak,

rain, remove trash, river, runoff, scavenger, skunk, slough, spider web,

tributary, use less water, vole, volunteer, watershed, wild grape, willow

How many of these words can you find?

CREEK WEEK WORD SEARCH

Teacher

F O L L O W D I R E C T I O N S
C O Y L E C R E E K W A C
K S P I D E R W E B I S R A
O L C A N A L L C C C W T
H O M A L L A R D A I T
L U P R O V A D L A
E V G O A W E Y E D I
R O H W I F I N F C G L
C L H S O N G I R U R S
R U T O O E S E S A
E N R R H N D R H D E E P C
E T A I A O C K L E A
K E B W A H E R
E S K U N K K A R U N O F F S N
R T I I R S I
A C O N S E R V E O W V
W A T E R S H E D O E G A O
Y L R T R
R E M O V E T R A S H E E E
B E L T E D K I N G F I S H E R

Arcade Creek, belted kingfisher, canal, carnivore, cattails, conserve, Coyle Creek, crayfish,

earth worm, food chain, frog, hawk, Kohler Creek, mallard, poison oak,

rain, remove trash, river, runoff, scavenger, skunk, slough, spider web,

tributary, use less water, vole, volunteer, watershed, wild grape, willow

How many of these words can you find?

Why We Need Healthy Creeks

Clean, healthy creeks are a part of our communities and are important to our health, safety, and quality of life. Most Sacramentans live within a mile of a river or stream, and our drinking water comes directly or indirectly from rivers and streams.

By protecting and restoring creeks, we are protecting clean drinking water, creating recreation opportunities that benefit our economy, and revitalizing our natural heritage for future generations.

Healthy Creeks Give Us Clean Drinking Water

More than 60 percent of Americans' drinking water comes from rivers and streams. A healthy river and riparian plants can act as a natural water filter, reducing the need to treat the water with chemicals or expensive filtration systems.

Healthy Creeks Are Good For The Economy

Going fishing may feel like taking the day off, but its overall economic impact in the U.S. is estimated at \$116 billion. And consider the fact that more people fish in the United States than go to Disneyworld. When people participate in outdoor activities, they aren't just having fun and staying fit, they're also pumping dollars into the economy -- in industries including manufacturing, and wholesale and retail trade.

Healthy Creeks Are Home To Fish And Wildlife

Sacramento's creeks support a wide variety of wildlife and fish. Rivers and streams are crucial to the well-being of wildlife. From kingfishers to crayfish, otters to deer, hawks to trout, whatever creature you're looking for, chances are you'll find it along the creek or river.

Healthy Creeks Are Fun!

Beyond all the other services and benefits healthy creeks can provide, they are just plain fun. Rivers and streams offer endless recreation opportunities, including fishing, hiking, and wildlife-watching. Whether you need exhilaration, solitude, a much-needed break from the daily grind, or just a pleasant place for a family outing, there's a creek out there, beckoning you to come out and play.

Heritage

From the camps of native Americans to our earliest settlements – our culture and heritage is written in the currents and banks of our creeks. Think of Nisenan Maidu villagers playing instruments made from elderberry and weaving baskets from willows, or think of early settlers using a bucket to get their drinking water from the creek. Our creeks connect us to the past, and the future.

Adapted from American Rivers "Why Do We Need Healthy Rivers?"