**Find the Fun in Government**

 **Free Resources for Children and Teen Programming**

**2016 OLA Conference**

**Friday, April 22, 2016 8:30am - 10:00am Sisters Room**

**Resources for Classroom/ Library Programs / Activities**

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ACTIVITIES AND RESEARCH

**Library of Congress Education – Resources based on Common Core Standards**

<http://www.loc.gov/teachers/> (Teachers)

<http://www.loc.gov/teachers/classroommaterials/> (Classroom Materials)

* *Search by: Presentation and Activities/Activities*:
	+ Jump start a STEM lesson with: ***What in the World is That:*** *Amazing innovations and inventions.*

***More STEM-related resources available from:***

**NASA**

<http://www.nasa.gov/education/materials/#.VvtHUubVpGY>

* NASA Kids Club - <http://www.nasa.gov/audience/forkids/kidsclub/flash/index.html#.VvtHnObVpGY>

**Science.gov**

<http://www.science.gov/about.html>

**Teaching Climate (NOAA)**

<https://www.climate.gov/teaching>

**U.S. Geological Survey (USGS)**

<http://education.usgs.gov/>

**Environmental Protection Agency (EPA)**

* Environmental Education resources - <https://www.epa.gov/education>
* Carbon Footprint Calculator - <https://www3.epa.gov/carbon-footprint-calculator/>
* My Right to Know (Toxic Release Inventory) **-** <https://www.epa.gov/toxics-release-inventory-tri-program/my-right-know-application>

**Bureau of Land Management (BLM)**

* Just for Kids - <http://www.blm.gov/wo/st/en/res/Education_in_BLM/Learning_Landscapes/For_Kids.html>
* Database of Classroom Activities - <http://www.blm.gov/teachers/>

**U.S. Department of Agriculture**

Educators and Students <http://www.usda.gov/wps/portal/usda/usdahome?navid=EDUCATOR_STUDENT&navtype=AU>

**U.S. Department of Energy**

Energy Kids - <http://www.eia.gov/kids/>

**U.S. Department of Education**

Research Data on methodology for teachers - What Works Clearinghouse: <http://ies.ed.gov/ncee/wwc/>

FIND A SPEAKER

**Local Health Department Directory (Oregon Public Health Division)**

<https://public.health.oregon.gov/ProviderPartnerResources/LocalHealthDepartmentResources/Pages/lhd.aspx>

Most county health departments have outreach/educator staff.

**OSU Extension County Offices**

<http://extension.oregonstate.edu/find-us>

Most offices have a Family and Community Health contacts. The Grow Healthy Kids and Community Initiative has program staff in Clackamas, Columbia, and Klamath County. <http://extension.oregonstate.edu/growhkc/about/oregon-county-partners>

**Oregon Department of State Lands: South Slough**

<https://www.oregon.gov/dsl/Pages/speakers.aspx> (Gary Cooper – *Speakers do travel to other parts of Oregon*)

**Oregon Department of Parks and Recreation: Speakers Bureau List by Topic** <http://www.oregon.gov/oprd/HCD/pages/sb_list_topic.aspx>

**Oregon Forest Resources Institute** (Created by Oregon Legislature)

<http://oregonforests.org/>

FIND STATISTICS

**Census Bureau**

<http://www.census.gov/schools/>

School Facts - <http://www.census.gov/schools/facts/>

**Bureau of Labor Statistics (BLS)**

<http://www.bls.gov/k12/>

* K-12 Games/Quizzes: <http://www.bls.gov/k12/games.htm>
* Charts on Student Topics: <http://www.bls.gov/TUS/CHARTS/STUDENTS.HTM>

**National Institute of Alcohol Abuse and Alcoholism (from NIH)**

College Drinking - <http://www.collegedrinkingprevention.gov/StatsSummaries/snapshot.aspx>

**Statistics Display ideas:**

* Create a display of Community Facts from the Census page - <http://factfinder.census.gov/faces/nav/jsf/pages/index.xhtml>
* Eric Newburger’s 5 minute video in a loop: <https://www.census.gov/topics/education/videos.html>

***“Answering the 3 questions of Statistics”*** - “How big is it?” “What difference does it make?” and “Are you sure that it’s not just dumb luck?” Newburger shows how a doctor figured out what caused the London cholera epidemic of 1854 by mapping the area where the worst cases occurred, interviewing the populace and pinpointing the anomalies. This short video is engaging, humorous and streamlined to show the importance of statistical data to the solution of a life and death problem.

* World Population Clock changing display based on Census page clock: <http://www.census.gov/popclock/>
* Illustrate pie charts, graphs, Venn diagrams – ways of expressing quantitative analysis – an important concept in STEM education information literacy
* Visual ways to express data and the effects of climate change:

EPA - <https://www3.epa.gov/climatechange/ghgemissions/global.html>

NOAA - <https://www.climate.gov/news-features/climate-qa/whats-difference-between-global-warming-and-climate-change>

* NOAA Maps & Data - <https://www.climate.gov/maps-data>

**Health and Wellness Resources**

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GENERAL OVERVIEW

**BAM! Body and Mind (Centers for Disease Control)**

<http://www.cdc.gov/bam/index.html>

A great place to start on wide range of topics, nutrition, disease, puberty, safety, etc. (all levels)

**CDC Vital Signs (Centers for Disease Control)**

<http://www.cdc.gov/vitalsigns/>

A monthly publication that is a good source for very current health topics. It includes an overview and lots of graphics and statistics. Latest topics include Zika virus, E-cigarette ads, etc. (middle/high school)

**CDC Videos (YouTube)**

<https://www.youtube.com/user/CDCStreamingHealth/playlists>

Includes a wide variety of topics including HIV/STDs, smoking, and videos in Spanish. (middle/high school)

**Environmental Health Student Portal**

<http://kidsenvirohealth.nlm.nih.gov/>

Good overviews of environmental topics such as air pollution and climate change as well as videos, games and experiments. (middle school)

**GirlsHealth.gov**

<http://girlshealth.gov/index.html>

This site offers girls reliable, useful information on health and well-being. It covers hundreds of topics, from getting your period to stopping bullies, and from getting fit to preventing sexually transmitted infections. (middle/high school)

**Lesbian, Gay, Bisexual, and Transgender Health (Centers for Disease Control)**

<http://www.cdc.gov/lgbthealth/index.htm>

Provides reliable information and resources on some of the health issues and inequities affecting LGBT communities. Includes current news, statistics, and videos. (middle/high school)

**Medline Plus (National Library of Medicine)**

<https://www.nlm.nih.gov/medlineplus/>

One stop shopping for health and drug topics. Browse a [Children and Teenagers topic list](https://www.nlm.nih.gov/medlineplus/childrenandteenagers.html) and be sure to check out the [Easy to Read Materials](https://www.nlm.nih.gov/medlineplus/all_easytoread.html), [Health Information in Multiple Languages](https://www.nlm.nih.gov/medlineplus/languages/languages.html), and [Videos and Tools](https://www.nlm.nih.gov/medlineplus/videosandcooltools.html) areas of the site. (middle/high school)

**Native Voices: Native Peoples’ Concepts of Health and Illness (National Library of Medicine)**

<http://apps.nlm.nih.gov/nativevoices/interviews/index.cfm?mode=theme&theme=5>

Covers Native American health topics through video interviews. (high school)

**Weight of the Nation Toolkit (Oregon Public Health Division)**

<http://public.health.oregon.gov/PreventionWellness/Nutrition/Pages/WeightoftheNationToolkit.aspx>

The Oregon Public Health Division developed this toolkit for local public health departments and community partners as a guide for hosting screenings of [The Weight of the Nation documentary series](http://theweightofthenation.hbo.com/).

EXERCISE

**Balanced Energy Physical Activity Toolkit (Oregon Extension Service)**

<http://extension.oregonstate.edu/growhkc/tools/bepa>

Videos and game activities incorporating exercise and nutrition concepts. (elementary)

**Exercise and Health Eating Videos**

<https://kids.usa.gov/watch-videos/exercise-and-eating-healthy/index.shtml> (elementary)

<https://kids.usa.gov/teens/exercise-fitness-nutrition/index.shtml> (middle/high school)

Videos demonstrating a variety of exercises and healthy eating habits.

**Let’s Move (Office of the First Lady)**

<http://www.letsmove.gov/kids>

First Lady Michelle Obama’s initiative to help fight obesity offers plans and tools for kids to become active. This initiative also has an active social media presence and also highlights the President’s Challenge (<https://www.presidentschallenge.org/challenge/active/index.shtml>) which offers a tool for tracking activities. (all levels)

**Medline Plus: Exercise for Children (National Library of Medicine)**

<https://www.nlm.nih.gov/medlineplus/exerciseforchildren.html>

A good overview with links to current research and practice in the field. (all levels)

**Train Like an Astronaut (NASA)**

<http://www.nasa.gov/audience/foreducators/trainlikeanastronaut/home/index.html>

Videos that model key exercises and activities in the style of astronaut training. (middle/high school)

NUTRITION

**Choose My Plate (U.S. Department of Agriculture Center for Nutrition Policy and Promotion)**

<http://www.choosemyplate.gov/>

Dietary guidelines that have replaced the “food pyramid’. Includes videos and interactive tools such as a daily meal plan, Supertracker (plan diet and exercise) and portion distortion quiz. Use <http://www.fns.usda.gov/tn/myplate> for a quick overview of resources. (all levels)

**Team Nutrition (U.S. Department of Agriculture Food and Nutrition Service)**

<http://www.fns.usda.gov/tn/team-nutrition>

* Graphics Library - <http://www.fns.usda.gov/tn/graphics-library>
* Ebooks for Young Readers - <http://www.fns.usda.gov/tn/myplate-ebooks>
* Popular Events Idea Booklet - <http://www.fns.usda.gov/team-nutrition-popular-events-idea-booklet>

**What’s Cooking (U.S. Department of Agriculture Food, Nutrition and Consumer Services)**

<http://www.whatscooking.fns.usda.gov/>

Recipes with “build your own cookbook” feature. (middle/high school)

**Cooking with Kids (U.S. Department of Agriculture Health Meals Resource System)**

<http://healthymeals.nal.usda.gov/nutrition-education/cooking-kids>

Examples of cooking activities by age level.

**USDA Food and Nutrition Service Videos (YouTube)**

<https://www.youtube.com/user/USDAfoodandnutrition>

Cooking demonstrations and more!

**Money, Jobs & Careers, and College Resources**

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HANDLING MONEY

**Kids.gov – Teens Grade 6-8 – Money**

<https://kids.usa.gov/teens/money/index.shtml>

For younger teens. Includes several fun Money games, like Countdown to Retirement and Ed’s Bank

**Federal Deposit Insurance Corporation** <https://www.fdic.gov/>

A wealth of financial information for consumers can be found here, some focused on teens and young adults. Check especially:

* **FDIC Consumer News** Fall 2012, special edition: *For Young Adults and Teens: Quick Tips for Managing Your Money* <https://www.fdic.gov/consumers/consumer/news/cnfall12/Fall2012.pdf>
* Check out other articles at FDIC Consumer News for Teens and Young Adults from the **Quick Links page** <https://www.fdic.gov/consumers/consumer/news/quicklinks.html>

**MyMoney.gov – Resources For Youth**

<http://www.mymoney.gov/Pages/for-youth.aspx>

Games, fun activities, websites, video games, and information about money for kids and youth.

**CFPB: Consumer Financial Protection Bureau**

<http://www.consumerfinance.gov/>

Sometimes known as “Elizabeth Warren’s agency,” this is a new agency that helps consumers by empowering them to take more control over their economic lives.

* **Students and young Americans** page <http://www.consumerfinance.gov/students/> includes tools and guides on: Paying for college - Repay student debt - Submitting student loan complaints - Student banking and credit cards

JOB AND CAREER EXPLORATION

**Oregon Bureau of Labor and Industries, Employment of Minors** <https://www.oregon.gov/boli/WHD/CLU/docs/employmentminorsbrochure.pdf>

Information guide about hiring 14-17 year olds, for teens, parents and employers.

More information at BOLI (under “Child Labor” heading) includes FAQs, child labor laws, and work permit information

**Jobs Corps**

<http://www.jobcorps.gov/home.aspx>

A career technical training and education program for low-income young people ages 16-24. 125 offices throughout the US (6 in Oregon) partner with local businesses

**Kids.gov: Teens Grade 6-8**

Jobs & Careers <https://kids.usa.gov/teens/jobs/index.shtml>

Information, games and videos exploring a variety of career paths.

**U.S. Dept. of Labor and Bureau of Labor Statistics websites**

* **Occupational Outlook Handbook**

<http://www.bls.gov/ooh/>

* **CareerOneStop**

<http://www.careerinfonet.org/scholarshipsearch/>

**For any career explorer, not just teens. Explore careers, find training, search for jobs, and get advice.**

* **BLS Career Information for K-12**

<http://www.bls.gov/k12/index.htm>

* **Career exploration** (grades 4-12) <http://www.bls.gov/k12/content/students/careers/career-exploration.htm> a fun way to explore Occupational Outlook Handbook information.

**Pathways** for students & recent graduates to federal careers

[https://www.usajobs.gov/StudentsAndGrads/](https://www.usajobs.gov/StudentsAndGrads/%20)

A website developed under President Obama’s leadership, where the Federal Government has taken steps to help students and recent graduates join the Federal service. New opportunities will appear on USAJOBS as agencies post them.

WORKPLACE FAIRNESS AND SAFETY

**Your rights at work (OSHA)**

<https://www.osha.gov/youngworkers/index.html>

A page for young workers outlining health and safety issues and rights (they have a free poster available aimed at workers 16 to 24)

**Youth@Work** (**Equal Employment Opportunity Commission** (EEOC))

[http://www.eeoc.gov/youth//](http://www.eeoc.gov/youth/)

Website designed for youth in the workforce, to teach young workers about their rights and responsibilities as an employee.

COLLEGE and MONEY FOR COLLEGE

**U.S. Department of Education** websites including:

* **College Scorecard**

<https://collegescorecard.ed.gov/>

Find and compare schools by programs/degrees, location, size and more

* **Prepare for College**

<https://studentaid.ed.gov/sa/prepare-for-college>

* **Federal Student Aid**

<https://studentaid.ed.gov/sa/>

Grants, loans, and work-study funds for college or career school.

* **FAFSA on the Web: the Federal student aid form**

<https://fafsa.ed.gov/>

**The Free Application for Federal Student Aid (FAFSA) is the student aid form all colleges use. Even if the student isn’t applying for aid right away, it is a good idea for every prospective college student to fill out and keep handy!**

**Resources for Fun**

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MOBILE SITES, APPS & GAMES

* **All levels**
	+ **Ben’s Guide –** Ages 4 to 14+ - <http://bensguide.gpo.gov/>
	+ **Census Pop Quiz (Census)** - <https://www.census.gov/mobile/censuspopquiz/>
	+ **Leafsnap** (Collaboration between Columbia University, University of Maryland and the Smithsonian) - <http://leafsnap.com/>
* **K- 3**
	+ **Owney**[**,**](http://postalmuseum.si.edu/owneyebook/index.html) **Tales from the Rails** (e-book from Smithsonian) <http://postalmuseum.si.edu/owneyebook/index.html>

**Owney the Dog** – augmented app (U.S. Postal Museum) <http://www.si.edu/apps/owney>

* + **NGA Kids Zone** (National Gallery of Art) <http://www.nga.gov/content/ngaweb/education/kids.html>
* **5 – 8**
	+ **Comet Quest** - <http://rosetta.jpl.nasa.gov/news/comet-quest-rosetta-adventure>
	+ **Space Place Prime & other apps for mobile devices** (NASA) <http://spaceplace.nasa.gov/ios/en/>
	+ **Titanoboa** (Smithsonian) - <http://www.smithsonianchannel.com/shows/titanoboa-monster-snake/0/140671>
	+ **Solve the Outbreak** (CDC) – <http://www.cdc.gov/mobile/applications/sto/web-app.html>
		- App available at: <http://www.cdc.gov/mobile/applications/sto/>
	+ **NGA Kids Zone** (National Gallery of Art) <http://www.nga.gov/content/ngaweb/education/kids.html>
	+ **Infinity of Nations Culture Quest** (National Museum of the American Indian) <http://nmai.si.edu/static/exhibitions/infinityofnations/>
* **9 – 12, College and Adult**
	+ **Smithsonian Channel** - <http://www.smithsonianchannel.com/full-episodes>
	+ **Vantage Point** (Smithsonian) - <http://nmai.si.edu/vp/>
	+ **NASA Visualization Explorer** - <http://svs.gsfc.nasa.gov/nasaviz/>
	+ **Docs Teach** (National Archives) - <http://docsteach.org/>
	+ **Embryo** (National Library of Medicine) - <https://itunes.apple.com/us/app/embryo/id422337604?mt=8>
	+ **Your Art** (National Gallery of Art) - <http://www.nga.gov/content/ngaweb/press/2013/your-art-app.html>
	+ **dwellr** (Census Bureau) - <https://www.census.gov/mobile/dwellr/>
* **General List of Resources**
	+ Federal Government Mobile Apps Directory (USA.gov) – A – Z Index <https://www.usa.gov/mobile-apps>