Welcome!

Please introduce yourself in the chat and tell us, did you learn about finance growing up?



















NGCP Vision

The vision of the National Girls
Collaborative Project is to support and
create STEM experiences that are as
diverse as the world we live in.



Our Goals

Connect + Create + Collaborate

Build and sustain a network

of advocates to provide equitable and inclusive STEM opportunities.

2

Catalyze equity in STEM

from research to practice by providing actionable knowledge that transforms the STEM experience.

3

Increase our collective impact

by strengthening organizational effectiveness and enhancing our fiscal sustainability.

NGCP Resources

National Webinars

 Monthly on relevant topics, speakers include educators, researchers, authors, and diverse STEM professionals

Monthly Newsletter

 National events, STEM resources for girls and youth, professional development opportunities for educators, and research and reports

NGCP Website

 Exemplary Practices pages on Engaging Girls in STEM and Access and Equity, blog posts, and statistics and research related to girls and women in STEM



NGCP Podcast: Inspiring Curiosity from Early Childhood to Break Gender Stereotypes

In our first episode, we explore the crucial role of early childhood experiences in shaping girls' interest and engagement in STEM



5 Ways to Be an Ally to Girls and Women in STEM

If you think of gender equity in STEM as a "women's issue" we encourage you to think again!



MAY 16, 2024 11:30 AM PT/2:30 pm ET



Girls and Math

Girls/women and boys/men do not differ in mathematics ability, but research has shown...

- Teachers and parents often underestimate girls' math abilities.
- Parents talk more about spatial relations and use spatial language with boys than girls.
- Girls are hard on themselves. They self-assess lower than boys with similar math achievement.
- Teachers who are predominantly women in early education and elementary schools — often have their own anxiety about math that they pass on to girls.

Source: The AAUW's "Fast Facts: Early Barriers to Girls and Women in STEM"

Early Exposure

- Early exposure to hands-on math can....
 - Build girls' STEM confidence and competence
 - Counter STEM stereotypes
- Exploring mathematics concepts through the lens of finance can...
 - Teach math concepts in concrete ways
 - Explore math with relatable real-world contexts
 - Help girls develop the skills necessary to achieve financial success later in life



Jackie Morgan

Outreach Senior Adviser
The Federal Reserve Bank of Atlanta –
Nashville Branch



A Focus on Finance for Engaging Elementary-Aged Girls



Birmingham • Jacksonville • Miami • Nashville • New Orleans

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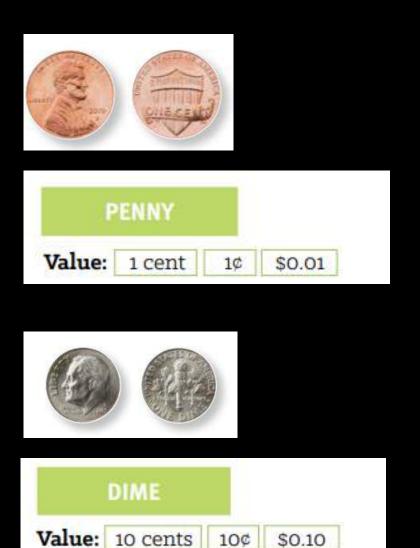
Discussion Question...

Which is bigger – a penny or a dime?



Discussion Question...

Which is bigger – a penny or a dime?



	Cent	Nickel	Dime	Quarter Dollar	Half Dollar	Dollar
Denomination	LIBERTY 2019	Librity 2019	MC000 X 11002T 2019	LIBERTY	NAGS WE TRUST	at cop or sailer
Composition	Copper Plated Zinc	Cupro-Nickel	Cupro-Nickel	Cupro-Nickel	Cupro-Nickel	Manganese-Brass
	2.5% Cu Balance Zn	25% Ni Balance Cu	8.33% Ni Balance Cu	8.33% Ni Balance Cu	8.33% Ni Balance Cu	88.5% Cu 6% Zn 3.5% Mn 2% Ni
Weight	2.500 g	5.000 g	2.268 g	5.670 g	11.340 g	8.1 g
Diameter	0.750 in. 19.05 mm	0.835 in. 21.21 mm	0.705 in. 17.91 mm	0.955 in. 24.26 mm	1.205 in. 30.61 mm	1.043 in. 26.49 mm
Thickness	1.52 mm	1.95 mm	1.35 mm	1.75 mm	2.15 mm	2.00 mm
Edge	Plain	Plain	Reeded	Reeded	Reeded	Edge-Lettering
No. of Reeds	N/A	N/A	118	119	150	N/A



Example Inquiry Questions:

- Stacked on top of each other, how many nickels would it take to equal the height of the Washington Monument?
- Laid side by side, how many quarters would it take to circle the globe at the equator?

U.S. Mint Coin Classroom



About the Mint

Life of a Coin

Collector's Corner

Games

Resources

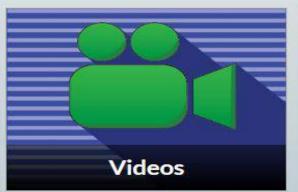




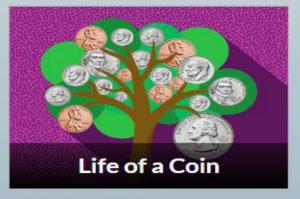
Games

Do you know the presidents? Play the Presidential Challenge game to find out!





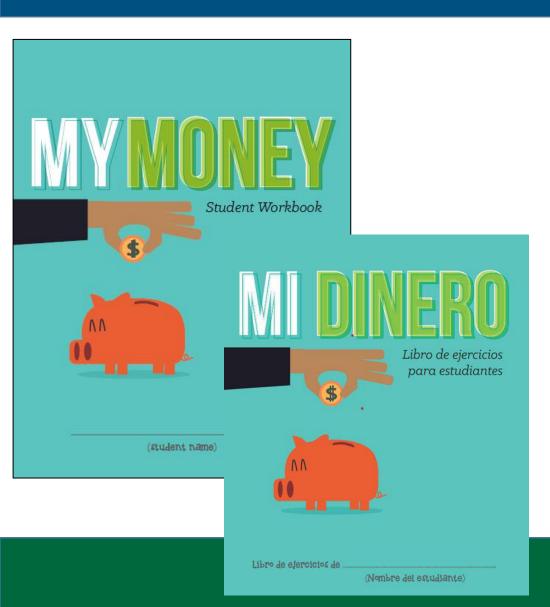








My Money



Educational workbook

Topics: Money, coin equivalents, jobs, goods, services, barter

PDF and print (no charge)

English & Spanish



My Money

Characteristics of Money

Money is used to buy goods and services.

A good is a product that you can touch. A service is an activity someone does to satisfy a want or need for someone else.

Scarce





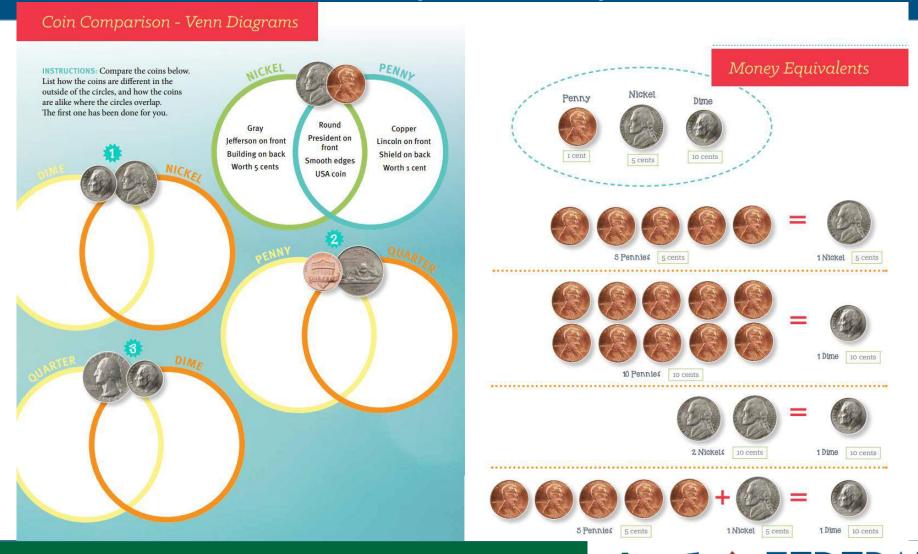




Item	Portable	Divisible	Durable	Scarce	Generally Accepted
Crayon/Marker	1	(but not evenly)	? (can break or melt)	X	x
Salt					
Chocolate					
Book					
Beads					
Desk					



My Money





Discussion Question...

Is the one dollar bill more like an oak tree or a cotton plant?



Discussion Question...

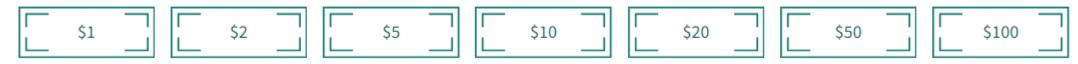
Is the one dollar bill more like an oak tree or a cotton plant?

US Currency (Bills/Notes) 75% Cotton | 25% Linen

That's why currency doesn't dissolve if it goes through the washing machine

More Fun Facts About U.S. Currency

Seven Denominations Currently Printed



6.14 inches

2.61 inches



Perimeter = 17.5 inches Area = 16.0254 square inches

Lifespan (From Entering Until Removed From Circulation) \$1 = 5.8 years \$100 = 15 years

Currently Featured on U.S. Currency					
\$1	George Washington				
\$2	Thomas Jefferson				
\$5	Abraham Lincoln				
\$10	Alexander Hamilton				
\$20	Andrew Jackson				
\$50	Ulysses S. Grant				
\$100	Benjamin Franklin				

Discussion Question...

How is our money like animals in nature?







Raised Texture

U.S. currency also has a distinctive feel because of its special paper and the way that it's printed. If you move your fingers across the shoulders of the people on the bills, you will notice a raised texture that feels like bumps and ridges.

https://www.uscurrency.gov/educational-materials/classrooms/currency-academy/science-lab https://www.uscurrency.gov/media/videos/youd-be-surprised-special-features



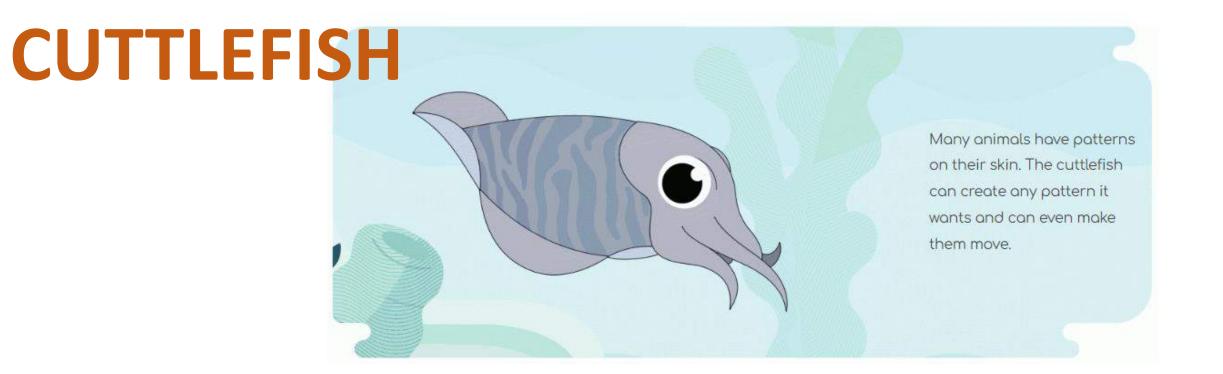
Color-Changing Ink

U.S. currency can also look green or copper because of color-changing ink. To see the colors change, all you have to do is tilt it from side to side.

Color-changing ink can be seen on bills worth \$10 or more. You can find the color-changing ink on the front of these bills, on the number in the lower-right corner.



https://www.uscurrency.gov/educational-materials/classrooms/currency-academy/science-lab https://www.uscurrency.gov/media/videos/youd-be-surprised-special-features



3-D Ribbon

\$100 bills have a special pattern on it's 3-D Ribbon. When you tilt it in different directions, the pattern will move and change. The images on the ribbon are bells and little "100's".





JELLYFISH







Watermarks

U.S. currency also hides some secrets! All bills with a value over \$5 have secret, hidden pictures on them that you can see if you hold a bill up to the light. These hidden pictures are called watermarks.

A watermark on a bill is usually the head of the person on the bill. But on the \$5 bill, it is a number. These watermark numbers are on both sides of the bill.

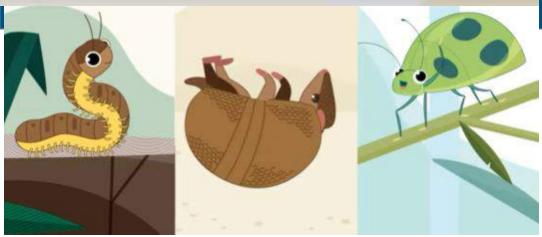


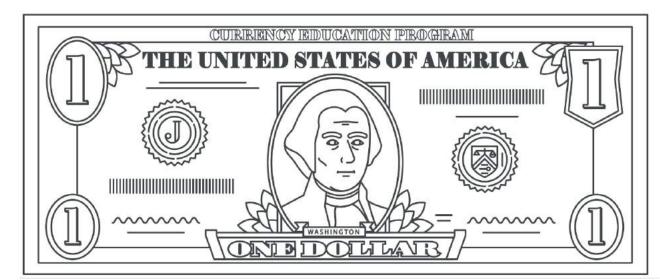


Special Thread

When you also hold U.S. currency up to light, you'll also see a special thread hidden inside (in bills with a value of \$5 or more). The thread is a narrow strip running up and down the bill. You can see it from both the front and back sides.

You'd Be Surprised: Special Features





https://www.uscurrency.gov/educational-materials/classrooms

https://www.uscurrency.gov/media/videos/youd-be-surprised-special-features https://www.uscurrency.gov/sites/default/files/downloadable-materials/files/en/play-money-coloring-sheets-en.pdf

Money-Related Resources



Currency Academy for Kids

Are you ready to have some fun and learn all about U.S. bills?



Lesson Plans

The Federal Reserve's Currency
Education Program has created fun,
engaging activities that will help
students better understand the
currency in their pockets.



Money Adventure Mobile App

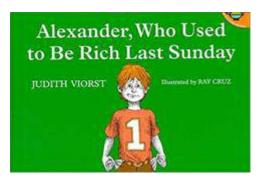
The Money Adventure mobile app is here to teach the next generation of cash users about U.S. currency.

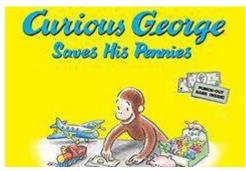


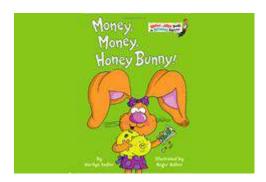
Carnival Thrills and Dollar Bills

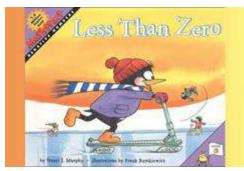
An illustrated book about U.S. currency for elementary students.

Money, Personal Finance, and Children's Literature

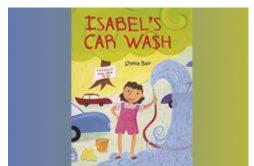












Lessons, Activities, and Q&A to Accompany Children's Literature – These And Many More!



E-Books, Videos, and Activities

video book

interactive book

Shopping Wisely with Olivia Owl

Olivia Owl and Penny Pigeon share valuable advice with Rhoda Roadrunner to improve her shopping habits in this fable. The story is centered on the moral: "If you plan and compare before shopping, you will use your money more wisely."



activities & resources



Teacher Resource: 2 Olivia Owl Lesson Plan

Teacher Resource: 🛭 Olivia Owl Story Printout

Alliteration Alert: Create a tongue twister sentence by using an alliteration example from the fable. (Ages 5-7)

Answer Key: Alliteration Alert

Be Aware and Compare: A Choose the better shopping buy, using the measurement tips to compare prices. (Ages 8-10)

Answer Key: Be Aware and Compare

Olivia Owl Fable Coloring Pages 🛭

Family Extension Activities: 2 Try these additional activities after reading the fable.

GREAT MINDS TLISTIC MINDS NEW GUIDE TO MONEY TERRAL RESERVE MAN. of CLEVEL

Downloadable Workbook & Lessons

Everyone has a limited amount of money to spend. That's why we have to make choices about how to spend the money we have. Usually, that means that we need and things the need and the need and the need and things the need and the need a

Some things are necessary to survive, such as shelter, food, water, and clothes. These are things we absolutely can't

I NEED IT!

Other things are nice to have, but aren't necessary to survive, such as apps, candy, concert tickets, or a phone. We can do without these things, even though we might not want to.

Let's Talk about it

How did you decide which needs and wants were important?

Write your answe

What Are Your Needs and Wants?

First, write down five things that you need to survive and five things that you want, but could survive without. Next, rank the importance of each thing. Number them from 1 (most important) to 5 (least important).

Things I Need	Importance to Me (1-5)	Things I Want	Importance to Me (1-5)
HINK			

Accompanying Digital Game

Glossary

Needs Things that are necessary to survive
Wants Things that are nice to have, but aren't necessary to survive

what's the Plan?

ow that you know what you'd like to save money for, figure out how much you'll need to save each week and how long it will take to reach your goal.

The goal I want to save for is: __

10	reacn	my	goai,	1	must	figure	out	

- 1. How much do I need to save?
- 2. How much do I have now?

If I save	I will reach my goal in this many weeks
\$2 a week	
\$5 a week	
\$10 a week	
\$15 a week	

Earning Money

	hink about jobs you could do to earn money. Figure out how much you could earn in one week and
in	one month.
My	skills and talents are:

Three jobs that I could do to earn money using my skills and talents	Column A Amount I think someone would pay me for this job	Column B Amount earned by working one week	Column C Amount earned by working one month (Column B × 4)
1.			
2.			
3.			

Cool Fact

Want to know more about how much other jobs pay?

Visit the Bureau of Labor Statistics at bls.gov and search for the Occupation Finder.



FEDERAL RESERVE EDUCATION.ORG

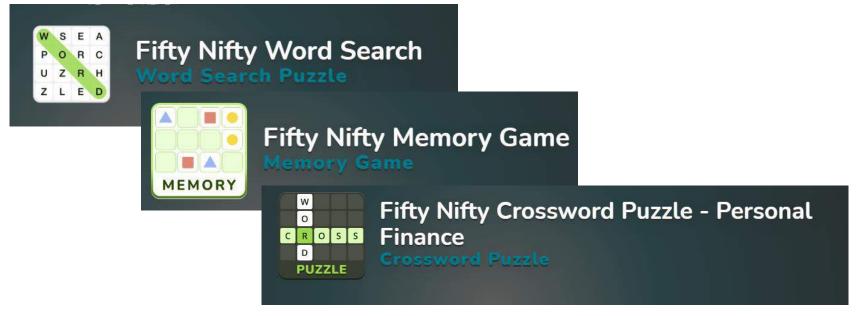
Flash Cards and Related Materials





Fifty Nifty Econ Cards To receive money for doing work.









Equipping Educators, Educating Students and Empowering Consumers



A Focus on Finance for Engaging Elementary-Aged Girls



Birmingham • Jacksonville • Miami • Nashville • New Orleans

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