

2023

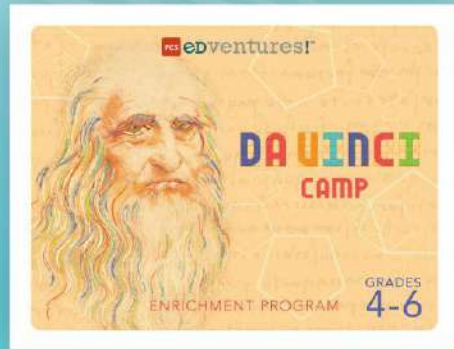
STEAM

EXTRAVAGANZA



edventures!

Experts in Hands-On STEM Education





Webinar Sponsor: PCS Edventures

- Started as Pat's Computer School in 1988
- Grew to network of experiential *learning centers* in Idaho, Washington and California
- PCS Edventures learning solutions are in more than 7000 sites in all 50 states and over 17 other countries
- Philosophy of hands-on projects that fuel a passion for learning and a lifelong love of STEM

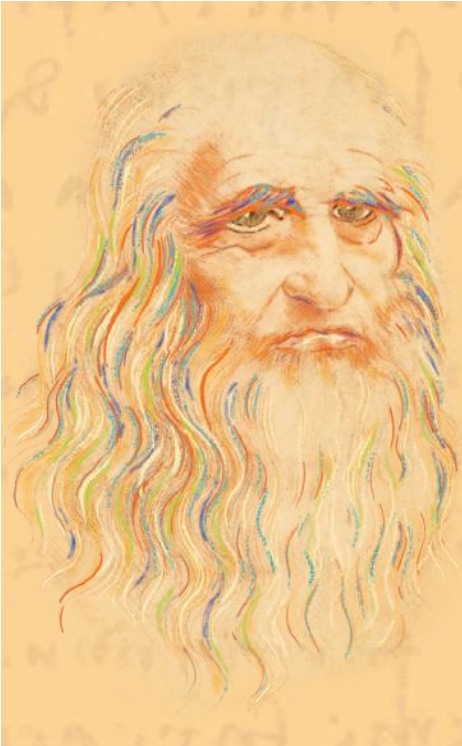


DA VINCI

CAMP



Connect the Unconnected



“Learn how to see. Realize that everything connects to everything else.” -Leonardo DaVinci



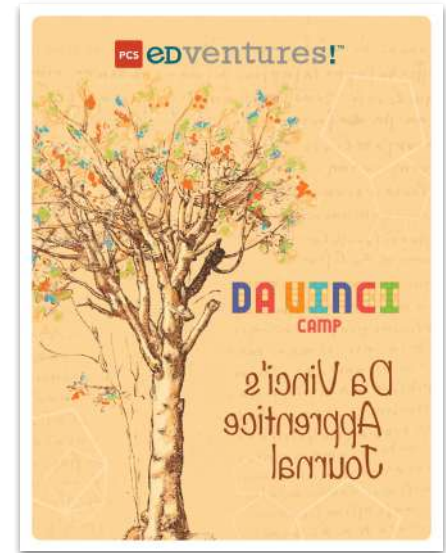


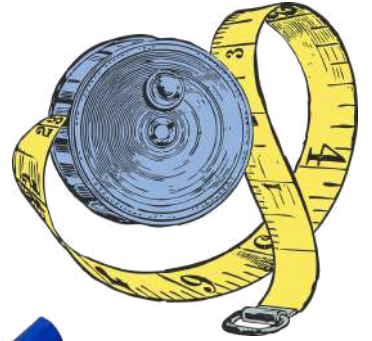
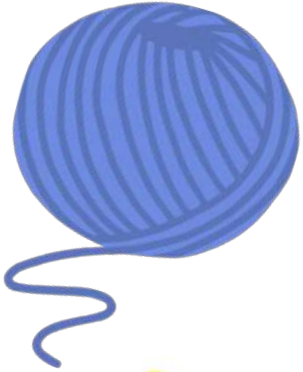
I Wonder...
How Good is Your
Memory?

Whole Group Activity



- Grab a piece of paper and a pen or pencil.
- Observe the items on your screen for 15 seconds. How many can you remember?
- Record your answers.
- How many items did you remember?
Tell us in the chat.





Leonardo Da Vinci



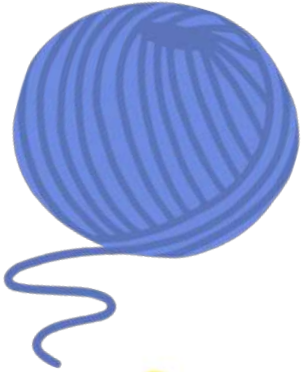
Power of Observation



“I believe that the eyes are the most important sense. It is vital to “know how to see.” Through daily observations, you will be able to accumulate all of the knowledge you need.”-Leonardo DaVinci

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Leonardo Da Vinci



What am I?

“The trick for closely observing something is to look carefully and separately at each detail.”-Leonardo DaVinci



What am I?



Attributes

- Size
- Shape
- Color
- Texture
- Material
- Function



What am I?

I have orange and black lines.

Click through each clue

I have a rough, dotted texture and am made out of rubber.

I bounce when I hit a hard surface.

I am used in different sports and games.

What am I?



What am I?



I am silver and made out of metal wire.

Click through each clue

There are two ends that are bent in an oval shape.

My sides are straight and parallel to each other.

I am small and light.

Teachers use me to hold papers together.



What am I?



What am I?

I have four legs and am covered in fur.

Click through each clue

My nose is black and my eyes are on the side of my head.

I usually live on farms and prefer open fields.

Some people use my fur, called wool, to keep warm.

The sound I make is Baa.

What am I?



What am I?

- Size
- Shape
- Color
- Texture
- Material
- Function



Multi-subject integration for 4th-6th graders in
12 one-hour lessons:

- STEAM
- English Language
- Social Studies/History



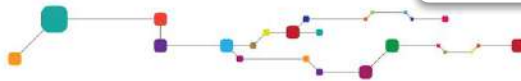
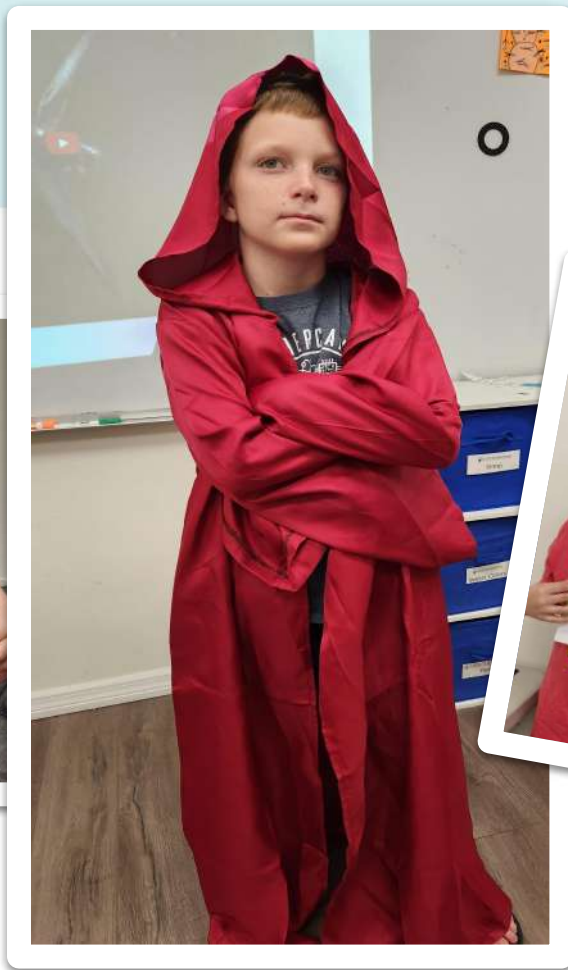
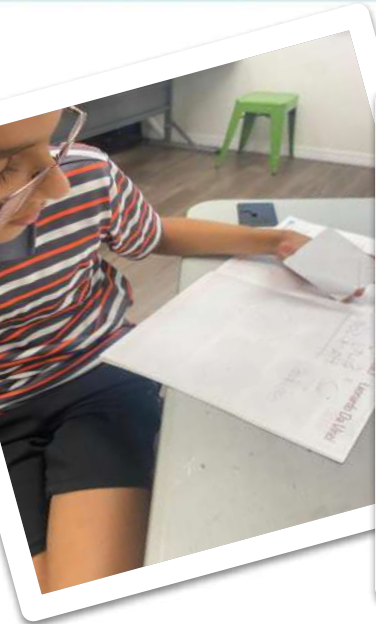
DaVinci Camp



Everything you need for 30 learners



DaVinci Camp



Rockin' Robots



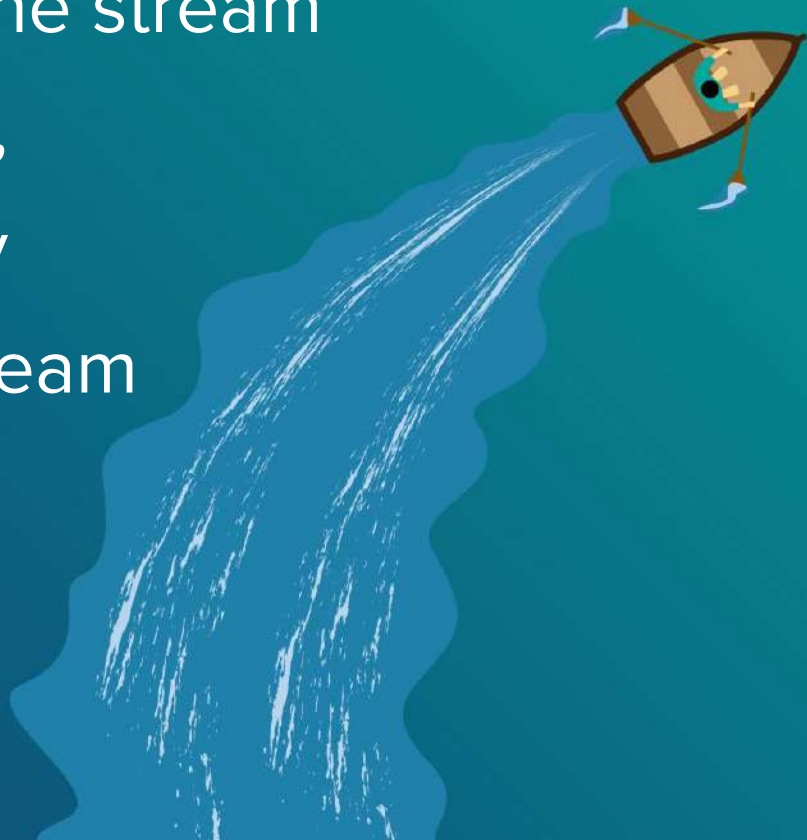
Whole Group Activity

We're going to see if we can "sing" "Row Row Row Your Boat" one person at a time, **word by word**.

- Write your name in the chat if you would like to participate
- Each person will write one word of the song!



Row, row, row your boat
Gently down the stream
Merrily merrily,
merrily, merrily
Life is but a dream



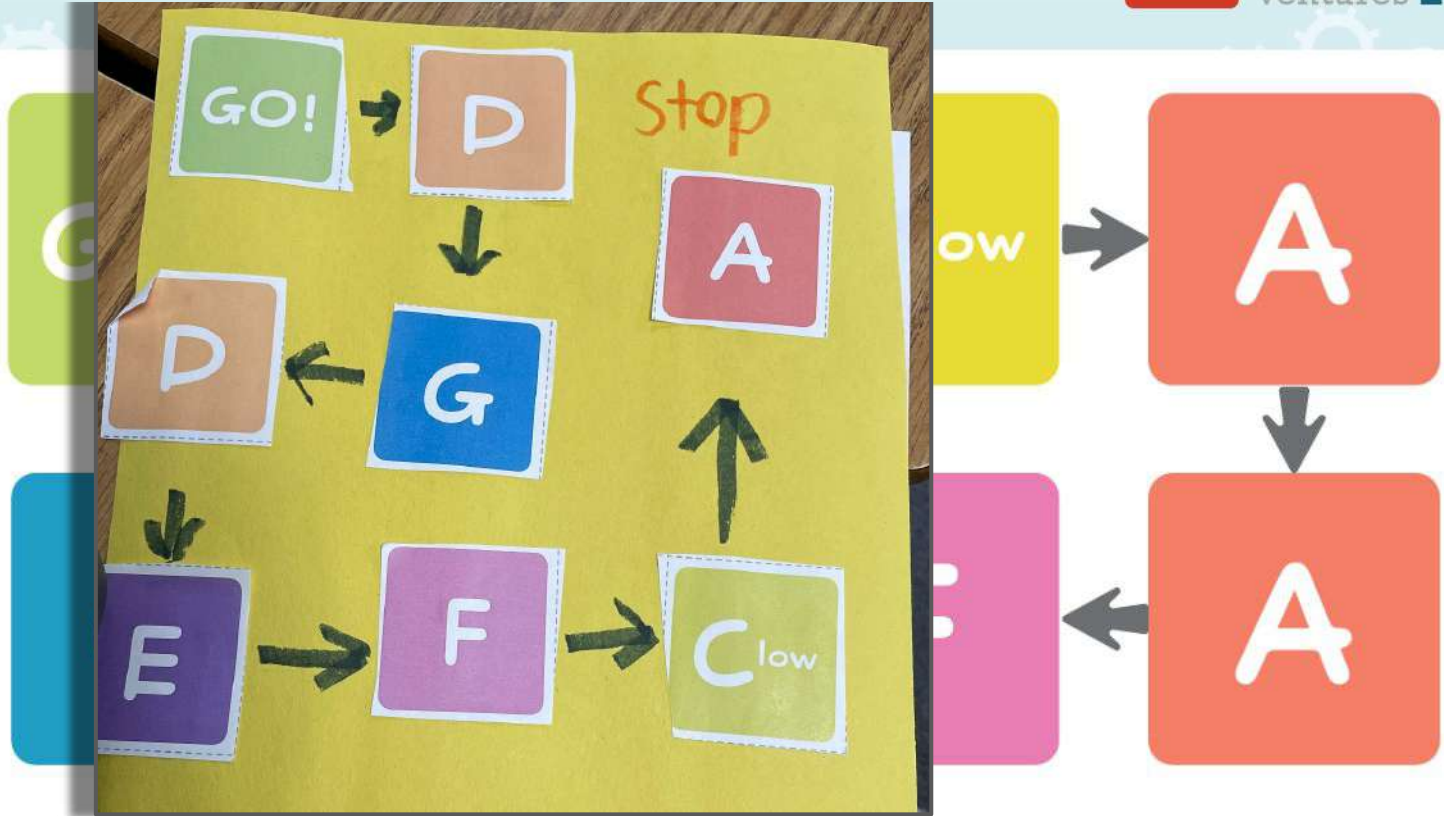
Rockin Robots

Multi-subject integration for 1st - 3rd graders in **12 one-hour lessons** starring the Sphero indi robot!

- Music
- Coding
- Technology
- English Language Arts



First Grader Example!



Rockin Robots

Music + Coding + Technology = FUN!

Take the Sphero indi on a tour through a STEAMtastic fusion of music and robotics.

Explore songs, craft instruments, investigate sound effects and design a melodic coding challenge!



Rockin Robots



Rockin Robots



Everything you need for 30 learners



Discussion Question



When you survey parents and students, what areas of programming are you getting the most interest in?

Technology and Drones



1-3 *Rockin Robots*



4-8 *Ready, Set, Drone!*



4-8 *Drone Designers*

Land, Water, and Sea



1-3 *Pirate Camp*



4-6 *Oceanic Exploration*



6-8 *Survivor*



1-3 *Unleash Your Wild Side*



4-6 *Traveling Artist*



6-8 *Summer Camp Classics*

Engineering



1-3 *Dirt Camp*



4-6 *Build a Better World*



6-8 *Structural Design*

Digital Media Arts



6-12 Discover Podcasting



4-8 Video Production



4-8 Claymation

Year of STEAM

All-Inclusive STEAM Enrichment K-8 Solutions

- ★ Expanded Learning Programs
- ★ Summer Programs
- ★ Out-of-School Programs



An example of a year of programming...

Looking for a customized solution based on your program needs?

Contact a STEMBassador

edventures.com/consult



| | K | 1st | 2nd | 3rd | 4th | 5th | 6th | 7th | 8th |
|----------------------|---|-----|--|-----|--|---|--|---|---|
| Q1 | | | | | | | | | |
| Q2 | | | | | | | | | |
| Q3 | | | | | | | | | |
| Q4 | | | | | | | | | |
| Special Requirements | | | 6 devices for Rockin Robots (tablet, Chromebook) | | 5 devices for Claymation (laptop, desktop) | 6 devices for Ready, Set, Drone! (smartphone, tablet) | 5 devices for Podcasting (laptop, desktop, Chromebook) | 6 devices for Video Production (tablet) | 1 device per student for Blocksmith (laptop, desktop, Chromebook) |



Contact a
PCS STEMbassador
for customized solutions for your
learning environment
edventures.com/consult



STEAM Enrichment kits: All-inclusive, quality STEAM programming for K-12.

Complimentary consultation with each organization to create a custom proposal for programming based on number of students, grade level focus and program setting.

Assistance with grant proposals, budget planning, implementation and training.



Giveaway Time!





Experts in Hands-On **STEM** Education



Contact a **PCS STEMbassador**
for customized solutions tailored
for your learning environment

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