

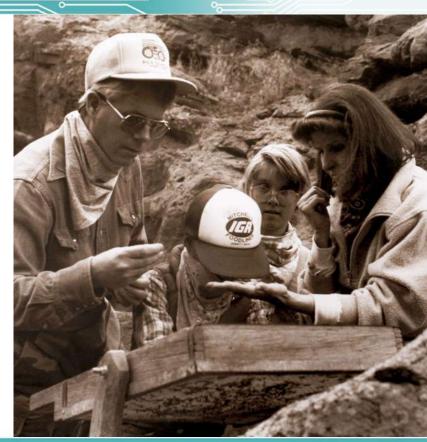
Experts in Hands-On STEM Education





### **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





#### Who We Serve

- K-12 classroom educators
- After-school and summer programs
- Libraries and makerspaces
- Clubs and youth groups such as
   FFA, Boys & Girls Club, 4H, and more





### **Today's Panelist**



### **Jessica Ventre**

- Experienced elementary educator
- K-5 Science instructional coach
- STEM writer and education specialist
- Instructional designer



### **Agenda**

- What is *STEAMventures: Food Collection*?
- Targeting Female Learners' Strengths and Interests
- BrickLAB STEAMventures Build Site
- Q&A
- Giveaway!





# Targeting Female Learners' Strengths and Interests

Strategies for changing the conversation from

"girls can't"

to

"girls can!"





#### **Seeds**

Easy-to-read interview featuring nonfiction text features.

### **Change the Conversation:**

- Highlight how interests can better our world
- Focus on what means the most to them
- Show how STEM impacts the world
- Introduce STEM role models





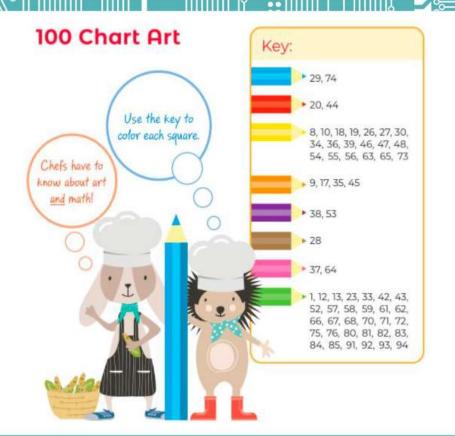
### Seeds

### Art and Math Integration

- Highlights math's creativity and beauty
- Connects interests to real-world application
- Hands-on lessons are memorable







1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100



### **Farms**

Resources **support reading comprehension** with **age-appropriate** —

language illustrations photographs

### **Change the Conversation:**

- Play to girls' strengths
  - Open-ended responses
  - Problem solving

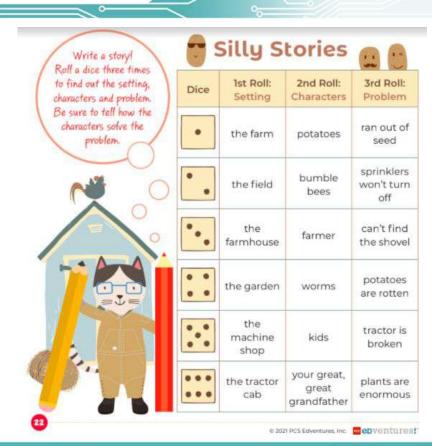




### **Farms**

### Engineering and Art Integration

- Emphasize the creative parts of STEAM
- Show there's more to engineering than math and science
- Include open-ended responses
- Explore real-world connections







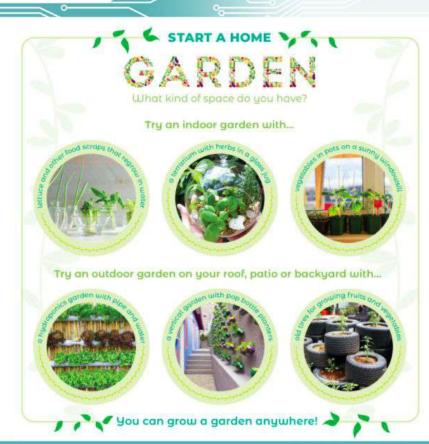


### **Gardens**

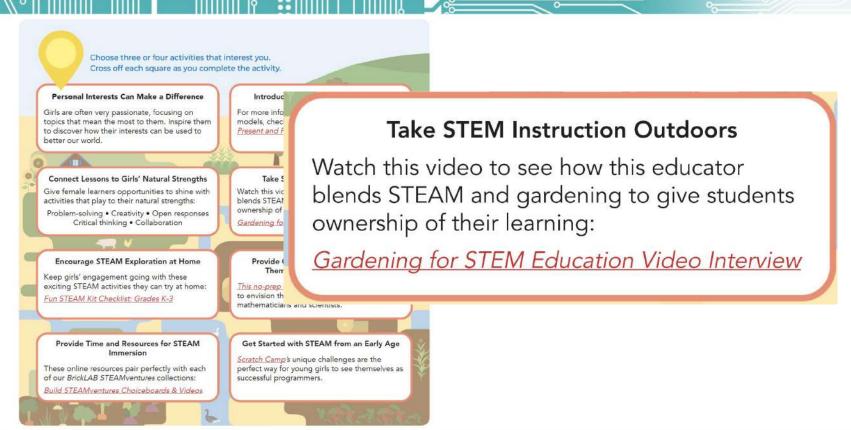
Discover how fruits and vegetables grow!

### **Change the Conversation:**

- Spark outdoor exploration
  - shown to increase girls' interest in STEM
  - ★ What would grow you grow in your garden?
  - ★ What kind of garden would work best at your home? Why?









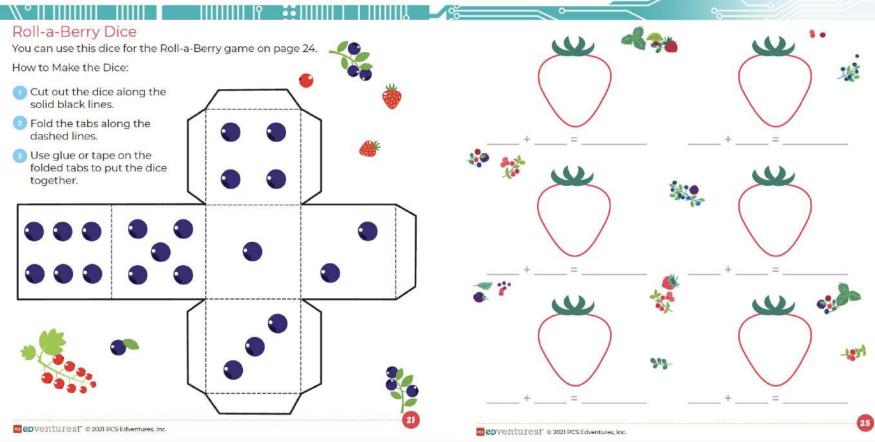
### **Gardens**

### Science, Art and Math Integration

- Produce tangible results
  - Perfect for formative assessment, review or introduction to skills
- Provide opportunities for enrichment

Draw the correct number of seeds on the strawberry to match the number on the leaves. Then color in the leaves and fruits! A STATE OF THE STA Strawberries Roll-a-Berry are my favorite How to Play: fruit tool Roll one dice. Write the number of the first roll on the first line. Let's play a game Roll again. Write the number of the second roll on the second previous page. Add the two numbers together. Draw the total number of seeds on the strawberry EDVEITUIES! ¢ 2021 PCS Edventures, Inc.



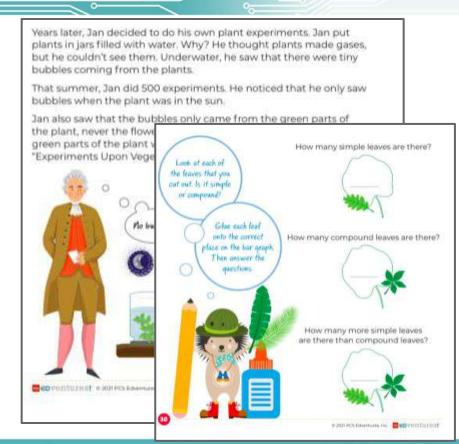




#### **Food Collection**

**Trees** (G: K-1 and 2-3)

- S All About the Power of Leaves
- T From Cacao Trees to the Chocolate We Eat
- E Cacao Tree Build
- A Build-It Challenge
- M Cacao Farm Leaf Collection















#### Webinar Video Link

Each registered participant will receive an email notification with a link to the webinar video

### **Webinar Survey**

- Tell us how we're doing
- What topics you'd like us to cover in the future





#### **GIVEAWAY WINNER SELECTION**

















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