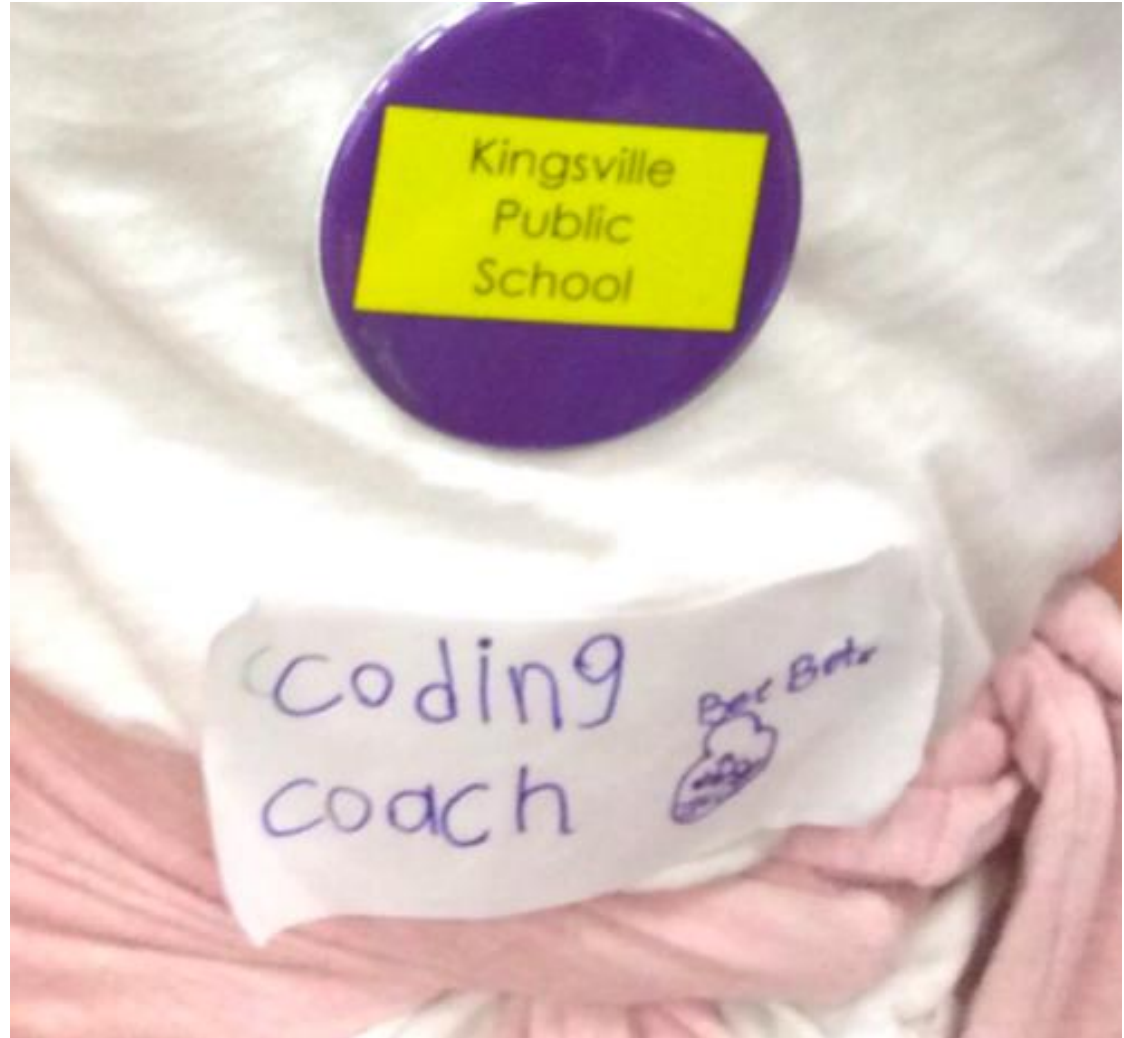


Learn to Code
Code to Learn

Coding JK/SK

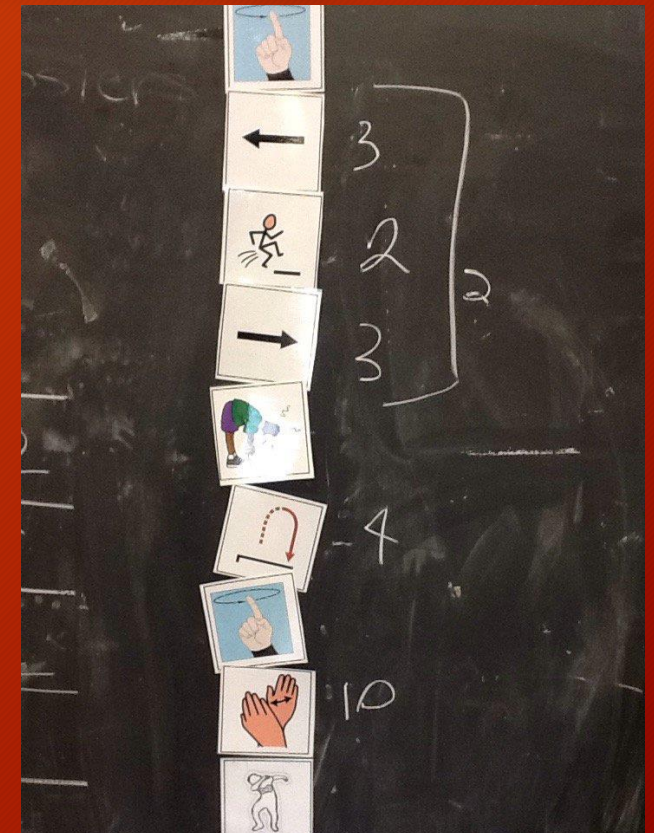
Unplugged, Blue Bot, Dash, Scratch Jr.

Janet Molzan, Cindy Loop Snyder, Elizabeth
Pearsall



Code A Dance

- Coding cards
- Create
- Repeat--> loop
- Debug
- Collaborate



Concepts & Processes of Spatial Reasoning

• Locating, Orienting Mapping, Coding, Perspective Taking

Visualization is the ability to see in your mind's eye spatial patterns and comprehend imaginary movements in space

Mental Rotation is the ability to mentally rotate 2D and 3D shapes in your mind

Visual Spatial Working Memory is the ability to hold and manipulate information in your mind's eye

Information Processing is integrating one piece of information at a time, in sequence or in chunks

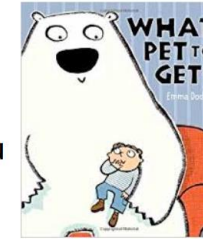
Spatial Language describes math principles and relationships

Gestures are movements with the body to communicate and help during problem solving

Unplugged

- Scratch clues
- Roll and Code
- Ways to Make 12
- Make your Adventure
- What Pet to Get?
- Birthday Surprise
- Retell

Design a story about what pet to get. Code your way to the pet you want.



Create your own message in code.

Everybody Needs A Rock



Code to your special rock

Blue Bot

Code a Friend

2D/3D path game

My Adventure Story

Nature Walk

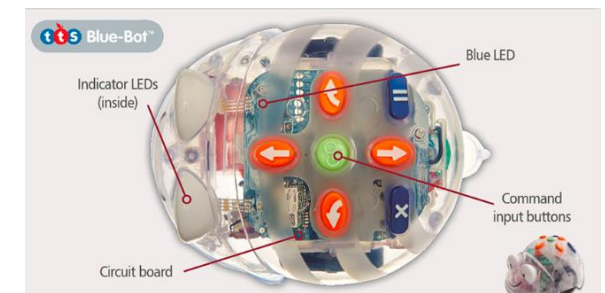
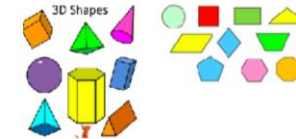
Colour Match

Story retell Rosie's Walk

Code 2D Shapes and 3D Objects

(shapes, tiles, cards)

Create a pathway. Draw or place 2D and 3D shapes/objects on path. Draw a shape cards and code to that shape. Take turns with a partner.



Dash

- Counting up/ Counting back
- Coin Drive
- What's My Shape?
- Ice Hotel Adventure
- Letters Everywhere!



Scratch Jr

1.2.3. Challenge

- Create a background
- Choose a sprite (character)
- Make your sprite move



Coding Sandbox

Guide Your Learning

- *Dash
- *Blue Bot
- *Unplugged
- *Scratch Jr



Resources:

- Dance cards
- Shape cards
- Scratch Jr. Code cards

- www.kpscobraders.weebly.com