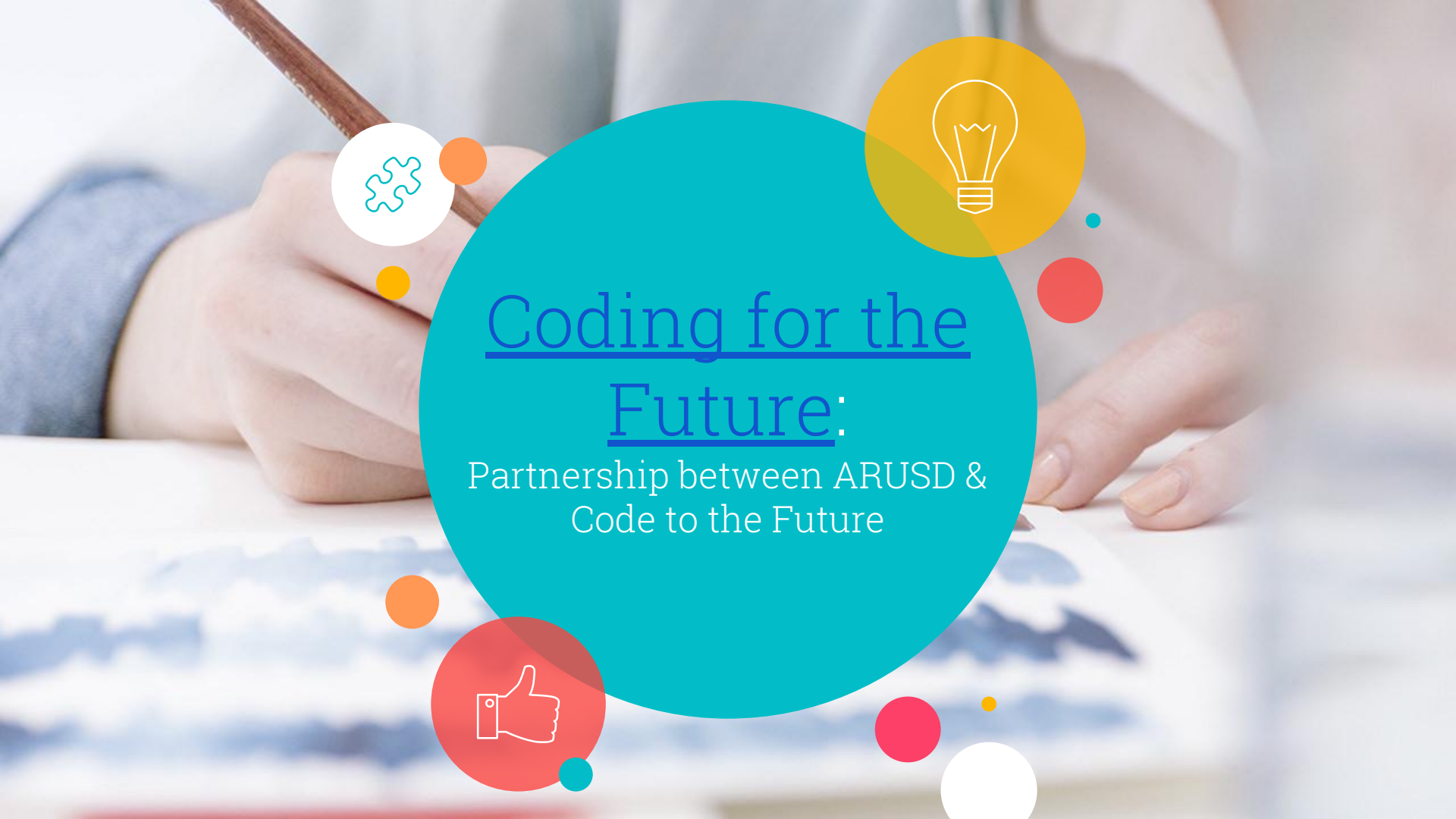


Coding for the Future:

Partnership between ARUSD & Code to the Future

21st Century Initiatives in ARUSD

Programs	Schools
Verizon Innovative Learning Schools	Fischer, Ocala, Sheppard
New Tech Network Schools	Fischer & Sheppard
STEAM Academies	Ocala & Ryan
Code to Future Schools	Chavez, LUCHA, Mathson, San Antonio
Latino Youth Cinema School	Hubbard
iDream Schools	LUCHA & San Antonio

ARUSD Code to the Future Schools

- Presentation template by SlidesCarnival
- Photographs by Unsplash

ARUSD Code to the Future Schools

Year 1

- Chavez Elementary School
- Mathson Middle School

Year 2

- LUCHA
- San Antonio Elementary School

- Presentation template by SlidesCarnival
- Photographs by Unsplash

Code to the Future Mission

- **Build** a pipeline within the K-12 level to help fill the 1,000,000+ computer science jobs that will be available in 2020
- **Address** underrepresentation of girls and students of color in computer science fields
- **Listen** to teachers and be intentional about curriculum design and student application

- Presentation template by SlidesCarnival
- Photographs by Unsplash

Scratch Phase

Teacher PD: Aug.

Cycle: 9 - 12 Weeks

Start: Beginning of Year

End: Nov./ Dec.

Lego Robotics Phase

Teacher PD: Nov./Dec.

Cycle: 8 Week

Start: January

End: March

Minecraft Phase

Teacher PD: March

Cycle: 10 weeks

Start: March

End: May

EPIC BUILD OVERVIEW

	K	1	2	3	4	5
CYCLE 1	My Name	My Story	Maze Game	Pole Position Game	Projectile Game	Story Game
	Scratch	Scratch	Scratch	Scratch	Scratch	Scratch
	Block Coding	Block Coding	Block Coding	Block Coding	Block Coding	Block Coding
CYCLE 2	My House	Our City	Dancing Birds	Robotic Relay	Driving Base	Robotic Factory
	LEGO + Scratch	LEGO + Scratch	LEGO WeDo	LEGO WeDo	LEGO EV3	LEGO EV3
	Visual/Spatial	Visual/Spatial	Robotics	Robotics	Robotics	Robotics
CYCLE 3	Pixel Art	Farm	House	Command Center	Block Mod	Block Wand Mod
	Pencil + Paper Text Coding	Minecraft Syntax	Minecraft Syntax	Minecraft Syntax	Minecraft + Eclipse Java	Minecraft + Eclipse Java

COMPUTER SCIENCE IMMERSION SCHOOLS

CODE™ To The Future

Scratch Phase Epic Builds:

San Antonio:

November 9, 2017

LUCHA:

December 6 &13, 2017

Chavez:

December 11, 2017

Lego Robotics Phase Epic Builds:

San Antonio:

January 30, 2018

LUCHA:

March 21 & 28, 2018

Chavez:

March 5, 2018

Minecraft Phase Epic Builds

San Antonio:

April 24, 2018

LUCHA:

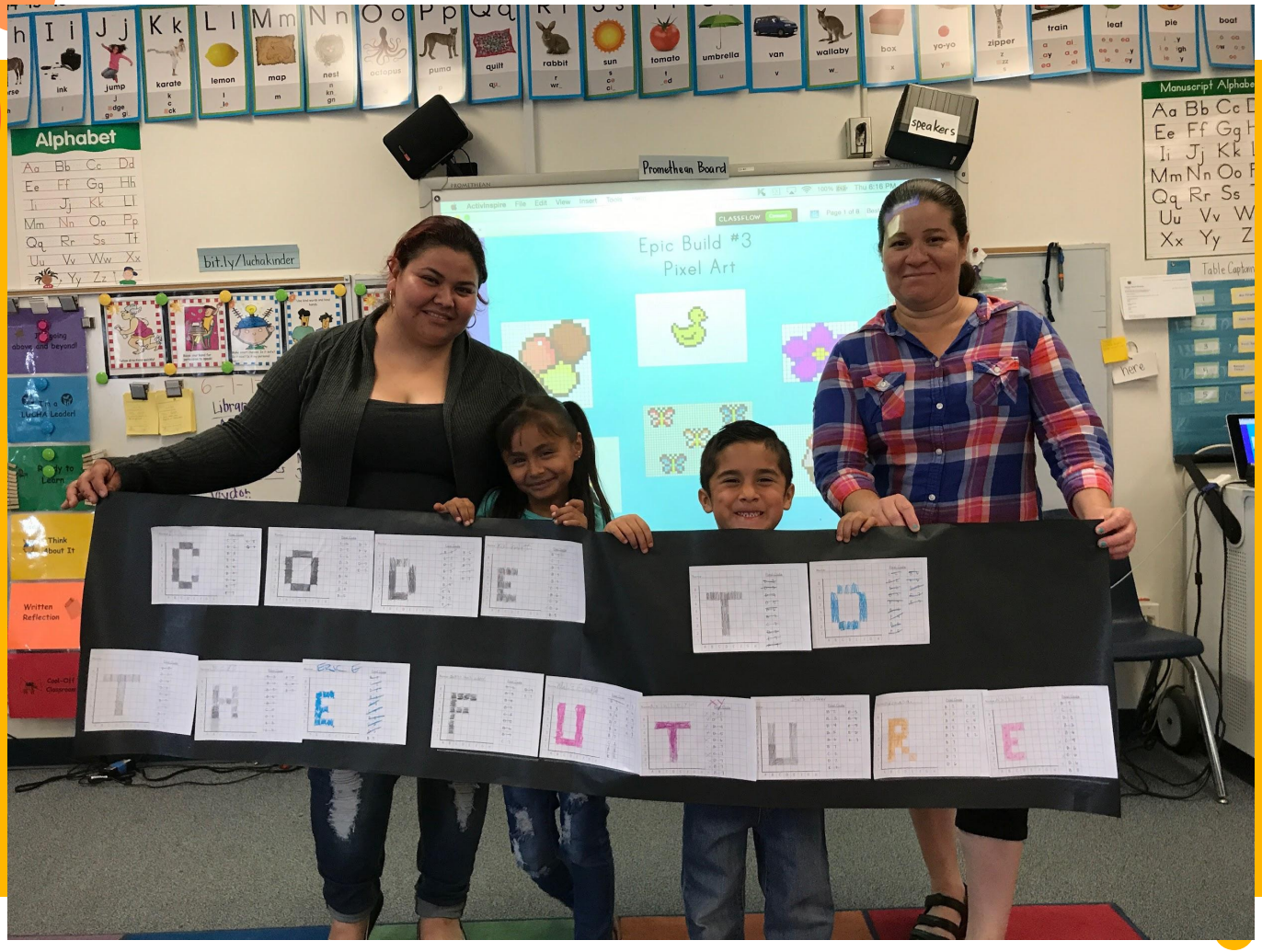
May 23 & 30, 2018

Chavez:

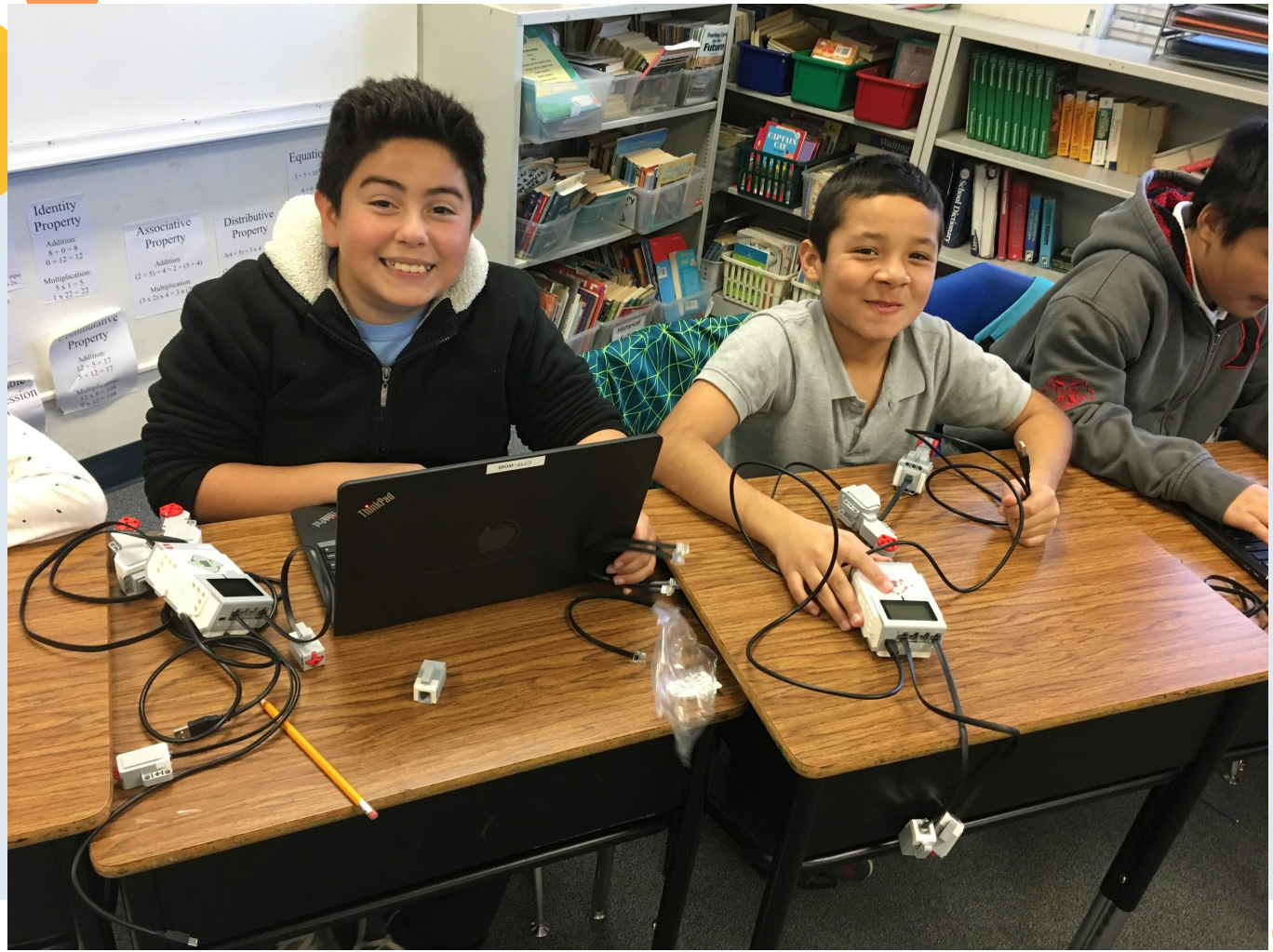
May 28, 2018

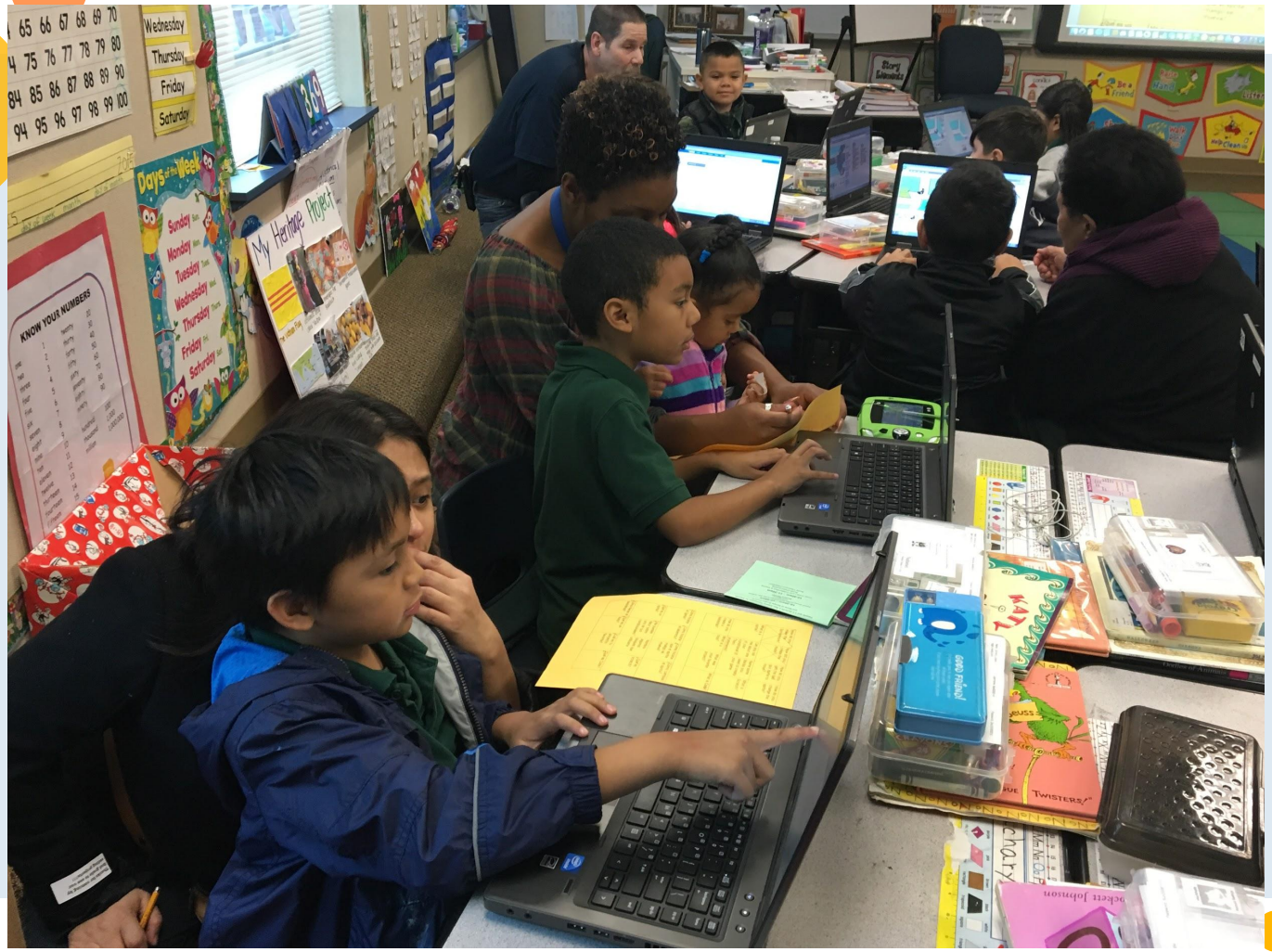
Mathson Epic Builds: January 24, 2018 & May 30, 2018

Student Leadership - Techsperts


Alphabet
Aa Bb Cc Dd
Ee Ff Gg Hh
Ii Jj Kk Ll
Mm Nn Oo Pp
Qq Rr Ss Tt
Uu Vv Ww Xx
Yy Zz
bit.ly/luchakinder
Prometheon Board
Epic Build #3
Pixel Art
speakers
Manuscript Alphabet
Aa Bb Cc D
Ee Ff Gg H
Ii Jj Kk L
Mm Nn Oo P
Qq Rr Ss
Uu Vv W
Xx Yy Z
Table Caption
Written Reflection
CODE TO
THE FUTURE

2nd grade Bug Race


Identity Property
Addition:
8 + 0 = 8
0 + 12 = 12
Multiplication:
5 x 1 = 5
1 x 22 = 22
Associative Property
Addition:
(2 + 5) + 4 = 2 + (5 + 4)
Multiplication:
(3 x 2) x 4 = 3 x (2 x 4)
Distributive Property
Commutative Property
Addition:
12 + 5 = 17
5 + 12 = 17
ThinkPad

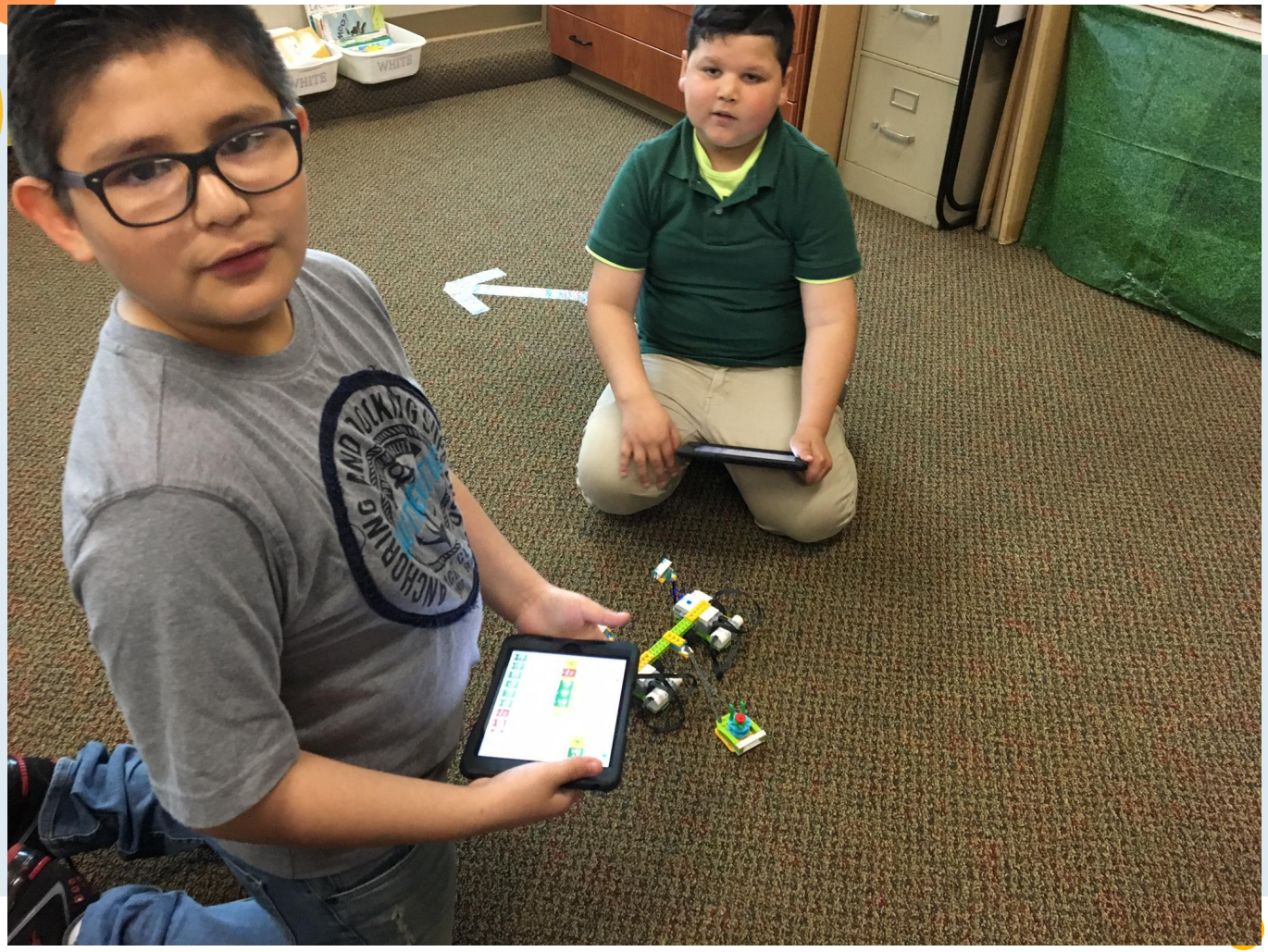

Wednesday
Thursday
Friday
Saturday
My Heritage Project
KNOW YOUR NUMBERS
Sunday
Monday
Tuesday
Wednesday
Thursday
Friday
Saturday
MATH
TWISTERS

WORTH IT.
We are becomin
SETTING GOA
82
CHEER
acer

Days of School
Sunday
Monday
Tuesday
POLICE
CAL POLY
SAN LUIS OBISPO

Patrick

Grow your brain
Change your Mindset
Change your LIFE!!!!
I made a mistake.
This is good enough.
I can always improve! I'll keep trying
I can't make this any better.
What am I missing?
I can't do math.
I'm going to train my brain in math
Hangouts Rules
CODE To The Future


WHITE
WHITE

Coding in Action