Arroyo Vista Charter,
Chula Vista Learning Community Charter,
Discovery Charter,
Mae L. Feaster Charter and
Mueller Charter Schools

Presentation to the Board of Education

February 12, 2020

English Language Arts

	Declined Significantly by more than 15 points	Declined by 3 to 15 points	Maintained Declined by less than 3 points or increased by less than 3 points	Increased by 3 to less than 15 points	Increased Significantly by 15 points or more
Very High +45 points or higher		Arroyo Vista ALL	Discovery ALL		
High +10 to +44.9 points		Mueller ALL Arroyo Vista Discovery EL w/ RFEP	CVLCC ALL		
Medium -5 to +9.9 points		Mueller EL w/ RFEP	Feaster ALL		
Low -5 to -70 points		Feaster EL w/ RFEP	CVLCC EL w/ RFEP		
Very Low -70.1 points or lower					

Mathematics

LEVELS	Declined Significantly by more than 15 points	Declined by 3 to 15 points	Maintained Declined by less than 3 points or increased by less than 3 points	Increased by 3 to less than 15 points	Increased Significantly by 15 points or more
Very High +35 points or higher		Arroyo Vista ALL		Discovery ALL	
High 0 to +34.9 points		Arroyo Vista Discovery EL w/ RFEP			
Medium -25 to less than 0 points				Feaster ALL	
Low -25.1 to -95 points	Mueller ALL	CVLCC ALL CVLCC Mueller EL w/ RFEP		Feaster EL w/ RFEP	
Very Low -95.1 points or lower					

Cohort Success

UNIQUE, YET CONNECTED

Our schools are unique, however we still have commonalities as a charter cohort: LCAP, SEL, Innovative programs/opportunities/curriculum/ extra-curricular activities

WALKTHROUGHS & FEEDBACK

Walkthroughs and provide feedback to each site including middle & high school

GRADE LEVELS

Our cohort offers middle schools and high schools

EDUCATIONAL PROGRAMS

We have students who have gone through 8-12 years in our educational programs

FINANCES

Maintained a healthy fiscal budget, which keeps student needs at the forefront

COLLEGE CULTURE

Early exposure to college culture including field trips to college campuses, discussions, and dual enrollment opportunities



Cohort Challenges

MEETING A VARIETY OF NEEDS

Targeted instruction & targeted professional development for every teacher and staff member to meet the variety of needs





Clear View, Hazel Goes Cook, J. Calvin Lauderbach, Liberty, John J. Montgomery, Burton C. Tiffany, and Wolf Canyon Elementary Schools

Presentation to the Board of Education

February 12, 2020

English Language Arts

	Declined Significantly by more than 15 points	Declined by 3 to 15 points	Maintained Declined by less than 3 points or increased by less than 3 points	Increased by 3 to less than 15 points	Increased Significantly by 15 points or more
Very High +45 points or higher			Wolf Canyon ALL		
High +10 to +44.9 points		Clear View ALL	Liberty ALL Liberty Clear View EL w/ RFEP	Tiffany ALL	Tiffany Wolf Canyon EL w/ RFEP
Medium -5 to +9.9 points	Cook ALL			Montgomery ALL Montgomery EL w/ RFEP	
Low -5 to -70 points	Cook EL w/ RFEP	Lauderbach ALL Lauderbach EL w/ RFEP			
Very Low -70.1 points or lower					

Mathematics

LEVELS	Declined Significantly by more than 15 points	Declined by 3 to 15 points	Maintained Declined by less than 3 points or increased by less than 3 points	Increased by 3 to less than 15 points	Increased Significantly by 15 points or more
Very High +35 points or higher					
High 0 to +34.9 points		Clear View ALL	Liberty ALL Wolf Canyon ALL	Tiffany ALL	Wolf Canyon EL w/ RFEP
Medium -25 to less than 0 points	Cook ALL	Clear View Liberty EL w/ RFEP			
Low -25.1 to -95 points	Cook EL w/ RFEP		Montgomery ALL Montgomery EL w/ RFEP	Lauderbach ALL Lauderbach EL w/ RFEP	Tiffany EL w/ RFEP
Very Low -95.1 points or lower					

Cohort Challenge



Cohort Success



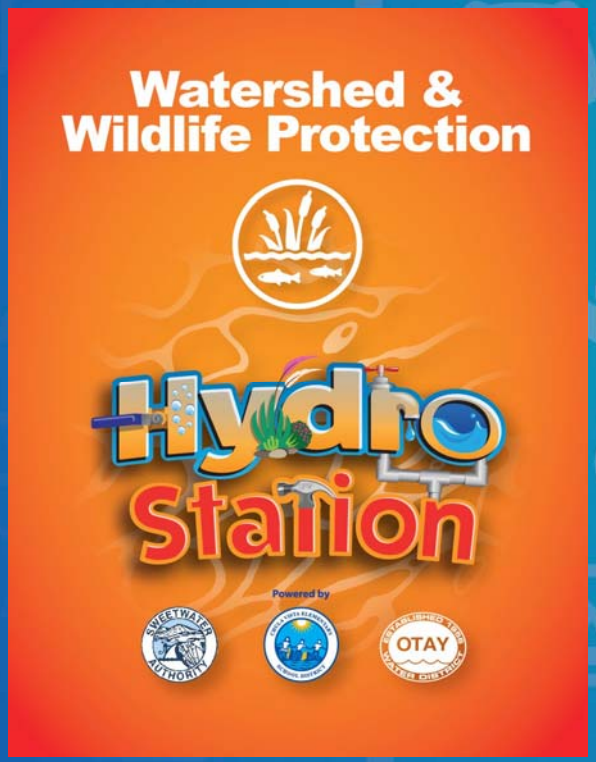
District Innovation Efforts



Why Career Development?

- **Parental influence**, **social background**, and **sense of identity** greatly impact the career expectations of today's students
- Children begin to foreclose on particular careers as early as 6 years old
- To ensure diversity and to break gender stereotypes
- Career expectations are often unrealistic, poorly informed, and don't match the composition and demand of the workforce

How We Do This Work



Watershed & Wildlife Protection

Description: A watershed is an area of land that drains rain water or snow into one location such as a stream, lake or wetland. These water bodies supply our drinking water, water for agriculture and manufacturing, offer opportunities for recreation, and provide habitats to numerous plants and animals.

Problem: A local water authority needs to create a new pipeline in order to transport water to their customers in a newly developed neighborhood. However, the path of this pipeline will need to go through an area of land that is the habitat that many local burrowing owls live in.

Engineering Challenge: Design and build a new habitat for the burrowing owls that would provide them with an elevated, open landscape that includes mounds, perches, and a tunneling system that would also help them to evade predators.




CITY OF CHULA VISTA
LIBRARY
CHULA VISTA ELITE ATHLETE TRAINING CENTER
CITY OF CHULA VISTA
Qualcomm
thinkabit lab
CHULA VISTA ELEMENTARY SCHOOL DISTRICT
PORT of SAN DIEGO
Waterfront of Opportunity
SDGE
A Sempra Energy utility®
ESTABLISHED 1956
OTAY
WATER DISTRICT
SAN DIEGO & IMPERIAL COUNTIES
INTERNATIONAL BROTHERHOOD OF ELECTRICAL WORKERS
ORGANIZED NOV. 26, 1891
LOCAL UNION 569
NECA
NATIONAL ELECTRICAL CONTRACTORS ASSOCIATION
SWEETWATER AUTHORITY

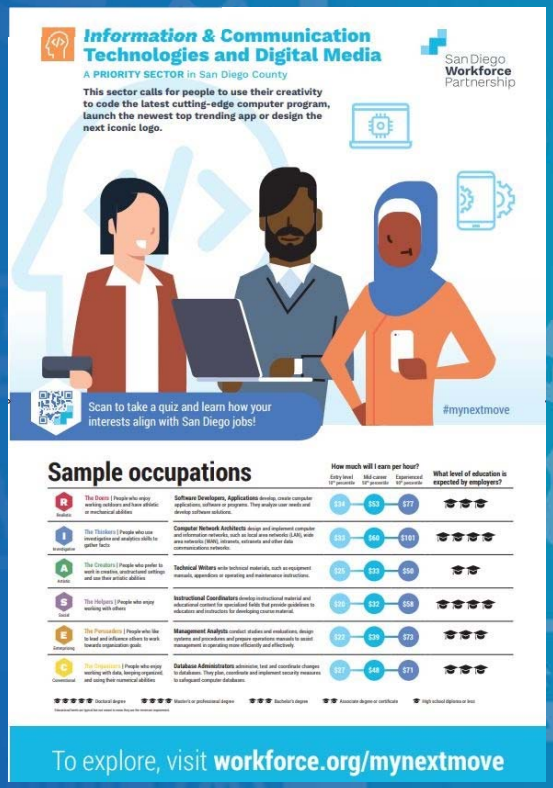
Where We Started

Qualcomm
thinkabit lab

Feaster Charter
STEM, VAPA, STEAM



Innovation Station



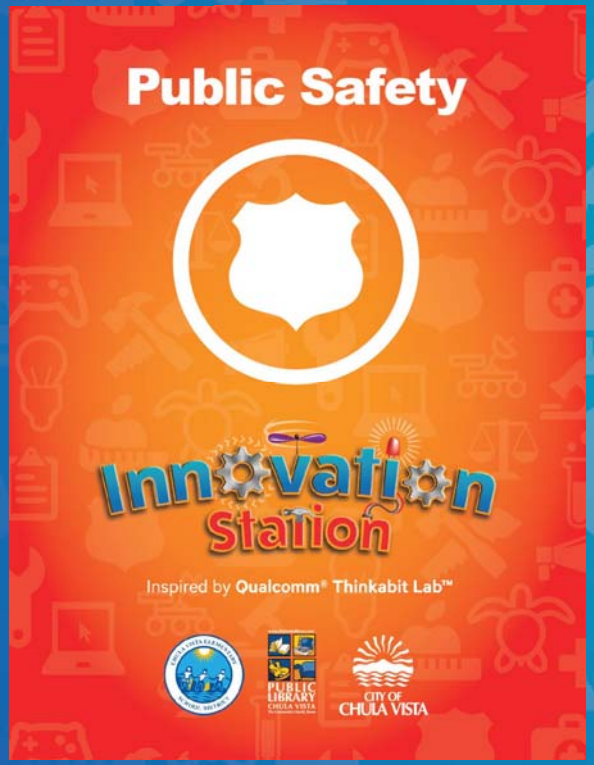
17,250 students

575 classes

60 careers



Innovation Station



Public Safety

Description: The primary goal of a public safety department is to protect the public and keep them safe. Natural disasters are one of the greatest challenges that first responders (firefighters, paramedics, etc.) face. Two major concerns in San Diego County are wildfires and earthquakes.

Problem 1: At 3:17 PM, first responders received a 9-1-1 call reporting a fire up on the hill above their house. The dispatcher notified the fire department and sent a fire engine and their team to try to put out the fire. However, by the time they arrived the wildfire had already grown out of control. Not only are the houses around it in danger, the fire is now posing a risk to the firefighters trying to put it out.

Engineering Challenge: Design and build a device that would help firefighters to contain wildfires and reduce the amount of risk to their lives.

Problem 2: A 6.9 magnitude earthquake has just occurred here in San Diego. Many trees have been knocked down and are blocking roads, which creates a major access problem for first responders. Electricity is out in most nearby areas with many live power lines down. There are also various gas leaks that have started. Many water lines have been broken as well.

Engineering Challenge: Design and build a device that would allow first responders to remotely rescue people that are in danger.

6,540 prototypes



Energy Station



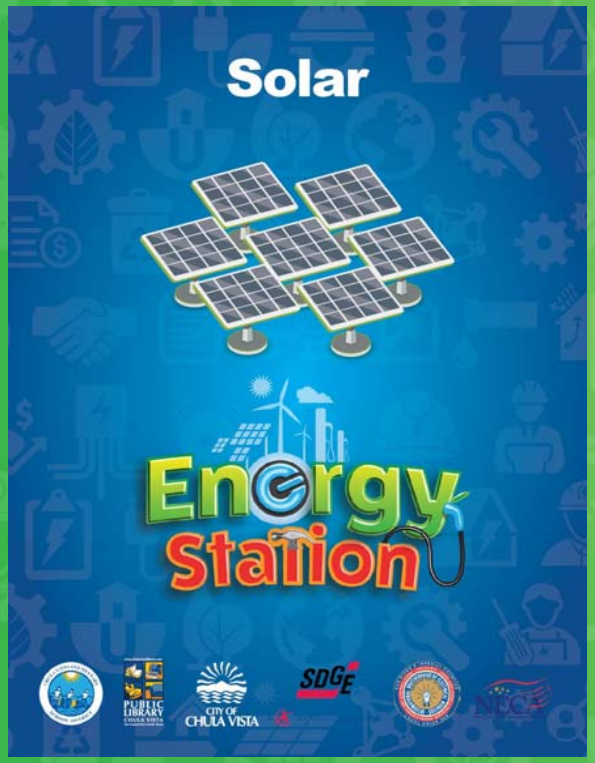
8,340 students

278 classes

43 careers



Energy Station



Solar

Description: Our environment is made up of all the living and nonliving things around us. It includes the surroundings and conditions that all people, animals, and plants live and operate in. However, human activity continues to negatively affect our environment. Two of the major concerns people have for our environment includes the amount of air and water pollution that continues to takes place.

Problem 1: Air pollution causes damage to crops, animals, forests, and bodies of water. It also contributes to the depletion of the ozone layer, which protects the Earth from the sun's ultraviolet rays. Air pollution can also have many negative effects on people's health. Short-term health effects include eye, nose, and throat irritation, headaches, allergic reactions, and upper respiratory infections. Some long-term health effects are lung cancer, brain damage, liver damage, kidney damage, heart disease, and respiratory disease. One of the human activities that causes the greatest amount of air pollution is burning fossil fuels for energy and for our vehicles.

Engineering Challenge: Design and build a device that would help to prevent and/or reduce the amount of air pollution that humans add to the environment.

Problem 2: Plastic is one of the greatest threats to our oceans. According to estimates, 12.7 million tons of plastic waste are washed into the ocean every year. This leads to amphibians, fish, and mammals ingesting much of this waste. Reports estimate that nearly 1 million seabirds and 100,000 marine mammals die from plastic ingestion every year. Some species are on the verge of extinction because of this.

Engineering Challenge: Design and build a device that would help eliminate plastic waste and other harmful items from the beaches and/or oceans.

2,085 prototypes



Hydro Station



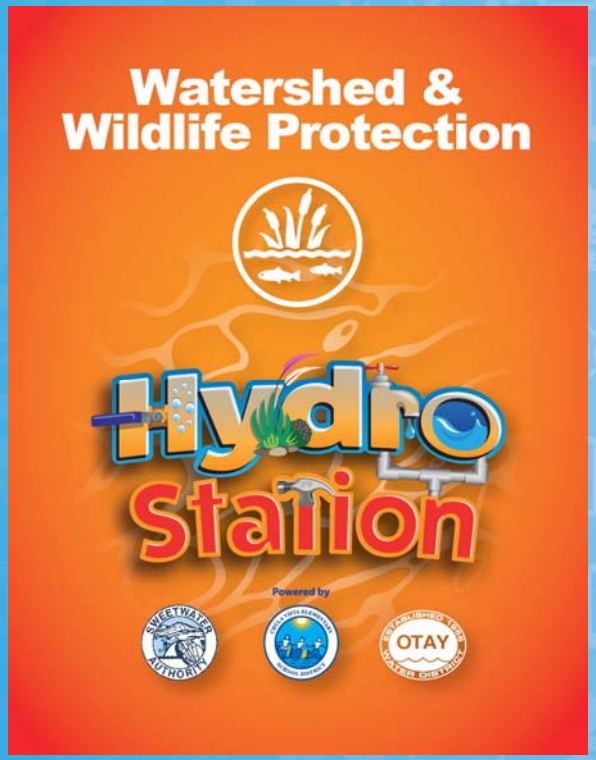
4,860 students

162 classes

42 careers



Hydro Station



Watershed & Wildlife Protection

Description: A watershed is an area of land that drains rain water or snow into one location such as a stream, lake or wetland. These water bodies supply our drinking water, water for agriculture and manufacturing, offer opportunities for recreation, and provide habitats to numerous plants and animals.

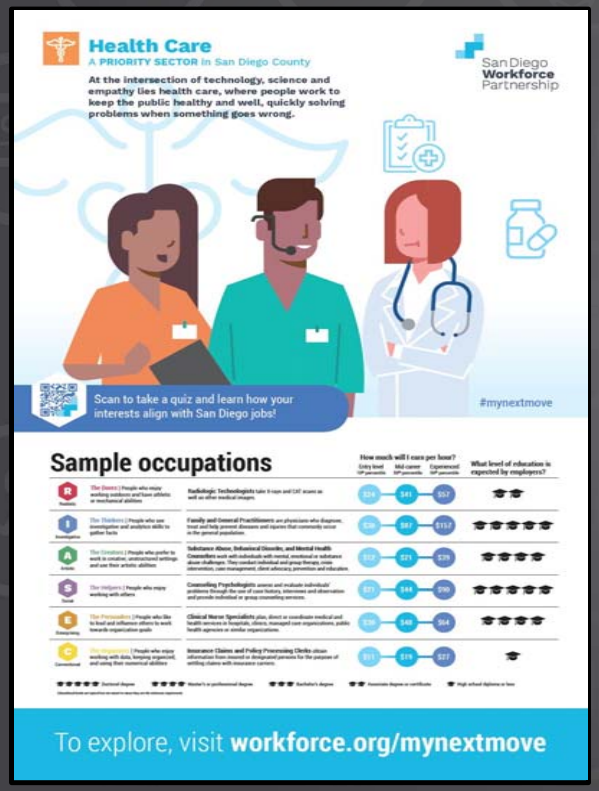
Problem: A local water authority needs to create a new pipeline in order to transport water to their customers in a newly developed neighborhood. However, the path of this pipeline will need to go through an area of land that is the habitat that many local burrowing owls live in.

Engineering Challenge: Design and build a new habitat for the burrowing owls that would provide them with an elevated, open landscape that includes mounds, perches, and a tunneling system that would also help them to evade predators.

1,215 prototypes



Health Station



750 students

25 classes

28 careers



Health Station





What Students Are Saying

- 100% of student focus groups have expressed an interest in more field trips
- 92% of students found the RIASEC activities to be “somewhat or very helpful” in identifying their interests
- 89% of students say they are familiar with the educational requirements for the careers that they are interested in

Instructional Focus

- English Learner Supports
- Learning Intentions and Success Criteria
- Professional Learning Cycles

STEMWoW Summer Experiences

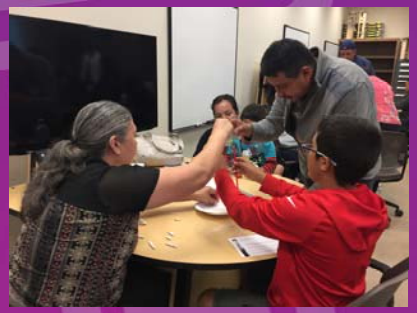
126 Title I Students

$300,000 NSF Grant

Math in Art at Chicano Park



Parent Engagement



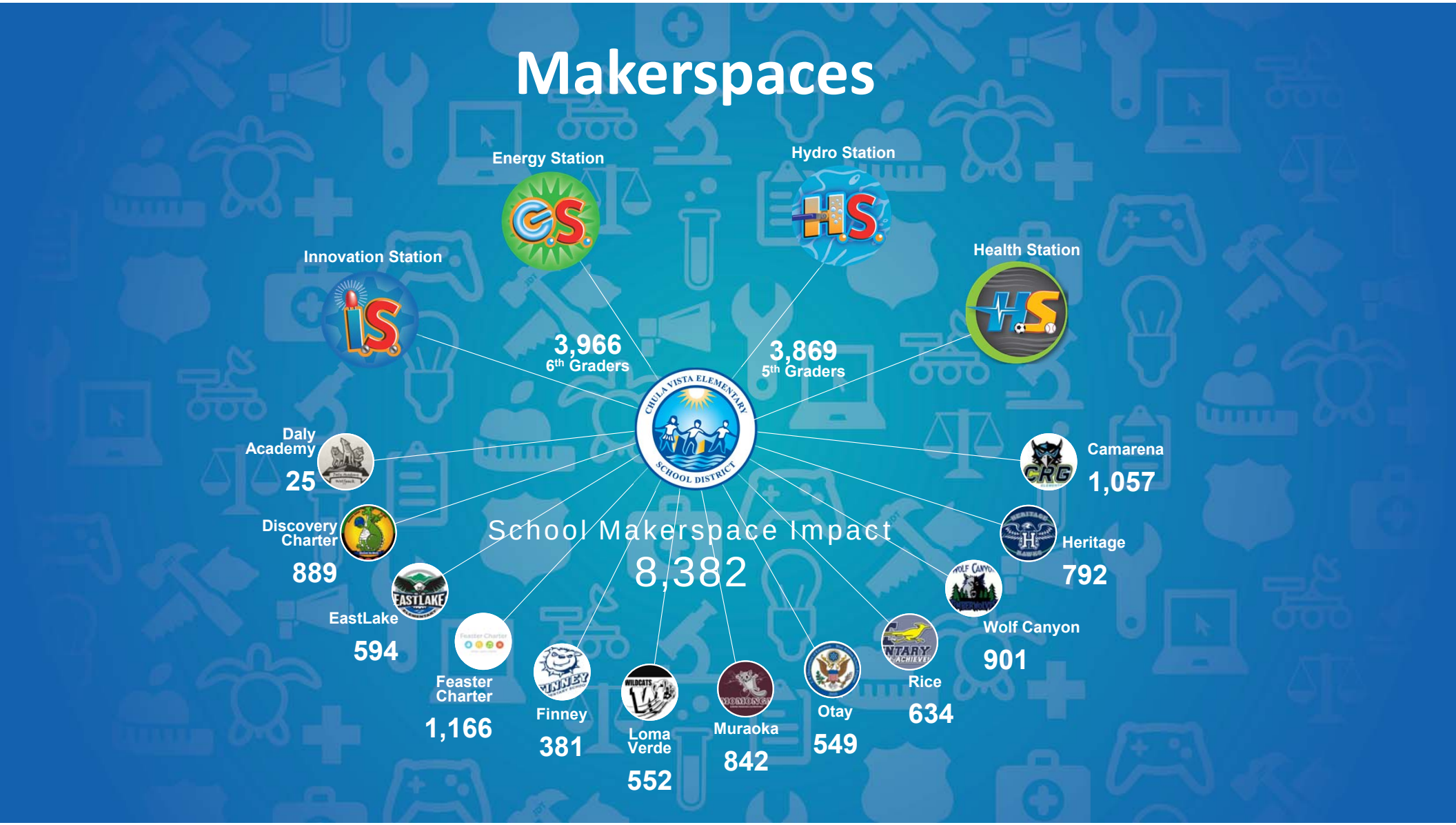
UN SDGs



Math Activity



Makerspaces



Professional Development

Engineering Design Process (EDP)



Career Integration



Nepris



Awards

2016 - Pioneer Award
South County Economic Development Council

2017 - Inspire Award, Honorable Mention
Classroom of the Future Foundation

2018 - Achieve Award, Honorable Mention
Classroom of the Future Foundation

2018 Staff Member of the Year
San Diego County School Boards Association

2019 - Impact Award
Classroom of the Future Foundation

2019 - BlueTech Science Teaching Award
TMA BlueTech (formerly The Maritime Alliance)



Next Steps

- Teacher and Parent Surveys
- Professional Learning Cycles
- Port Station
- Virtual Reality

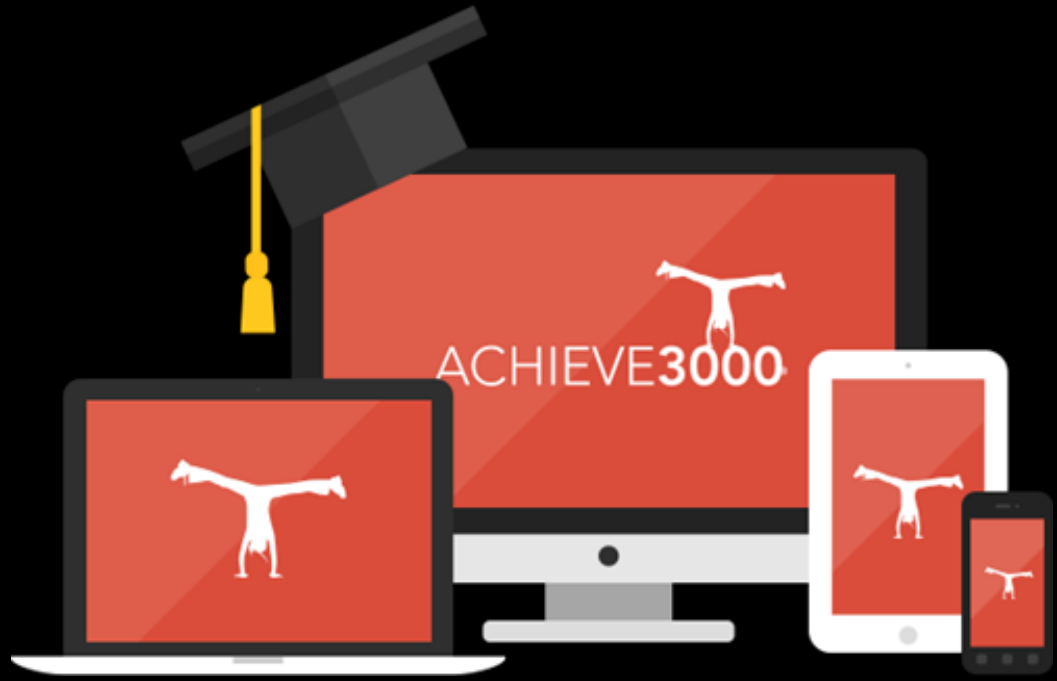


Virtual Reality




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INTERNATIONAL BROTHERHOOD OF ELECTRICAL WORKERS
ORGANIZED NOV. 26, 1891
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SWEETWATER AUTHORITY





Achieve3000 Implementation in CVESD

Report to the Board of Education

February 12, 2020



Technology Accelerators in Chula Vista

Highlights

College and Career Readiness

Differentiation and Rigor

Curriculum Alignment

Flexibility

Equity



Recommended Achieve3000 Usage

2-3 Activities per Week

75% or Higher on First Attempt

Five Step Literacy Routine

- Before Reading Poll
- Article
- Activity
- After Reading Poll
- Thought Question



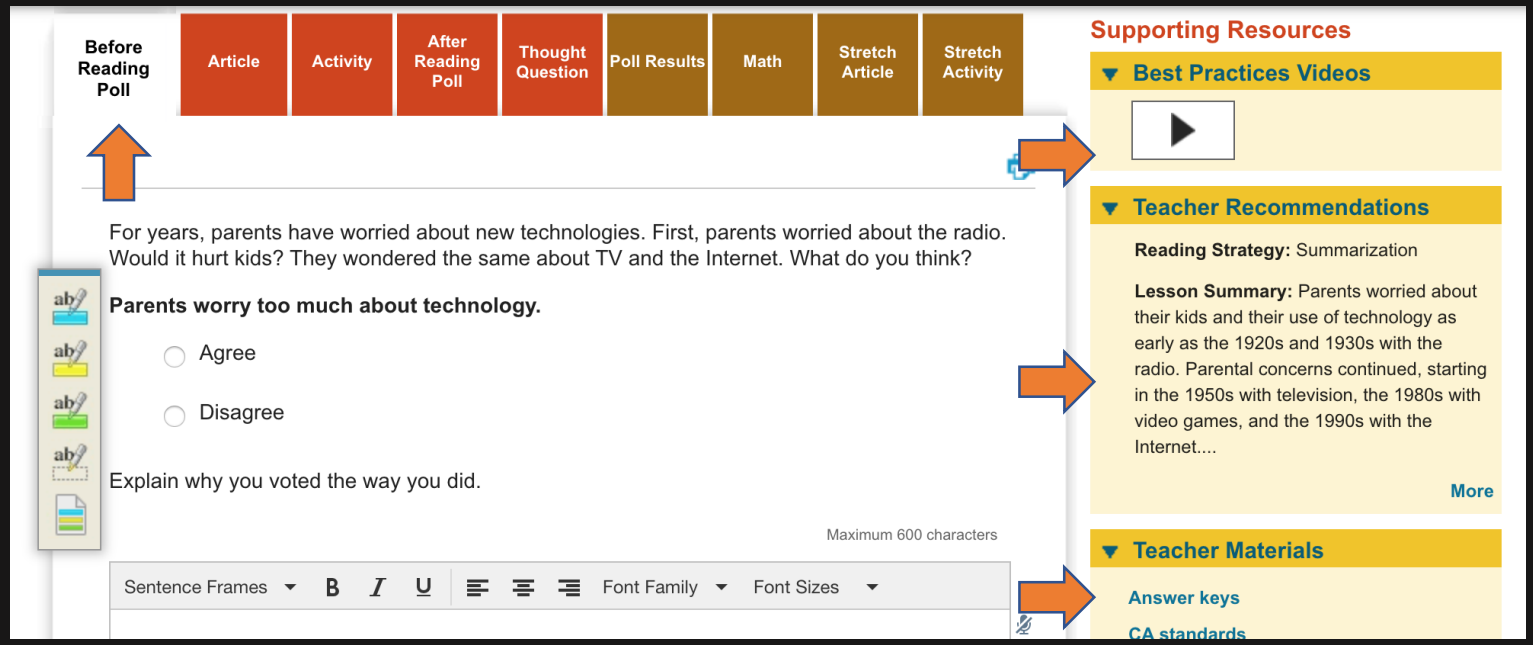


5-Step Lesson

NEWS/Technology

Before Smartphones

Parents worry about how much time children spend on their smartphones. But parents worrying about technology is ...



Before Reading Poll

Article



News: Technology

250 Lexile ▾ Standard ▾

Before Reading Poll | Article | Activity | After Reading Poll | Thought Question | Poll Results | Math | Stretch Article | Stretch Activity

NEW YORK, New York (Achieve3000, January 7, 2019). "Put your phone away!" Why do parents say that?

Kids spend hours each day on smartphones. They text. They watch videos. Some parents worry. Do children spend *too* much time on smartphones?

Concerns like these aren't new. Parents have worried about kids and technology for almost 100 years.



Photo credit: AP/Hyman, File

In this 1980 photo, a 12-year-old sits at a computer. Technology has come a long way since then.

Too Much Radio!

In the 1920s and 1930s, the radio was new. It was an exciting technology. Kids sat by radios. They listened to stories. Parents worried. They wondered if children were spending *too* much time listening. Would radio interfere with other interests? Would kids stop practicing music and reading?

TV Takeover

In the 1950s, TV arrived. By 1955, TVs were in more than half of U.S. homes. Again, parents worried. Some TV shows had violence. What was it doing to children, they questioned?

Video Game Battle

By the early 1980s, video games arrived. Again, parents worried. Kids might become caught up in racking up points.

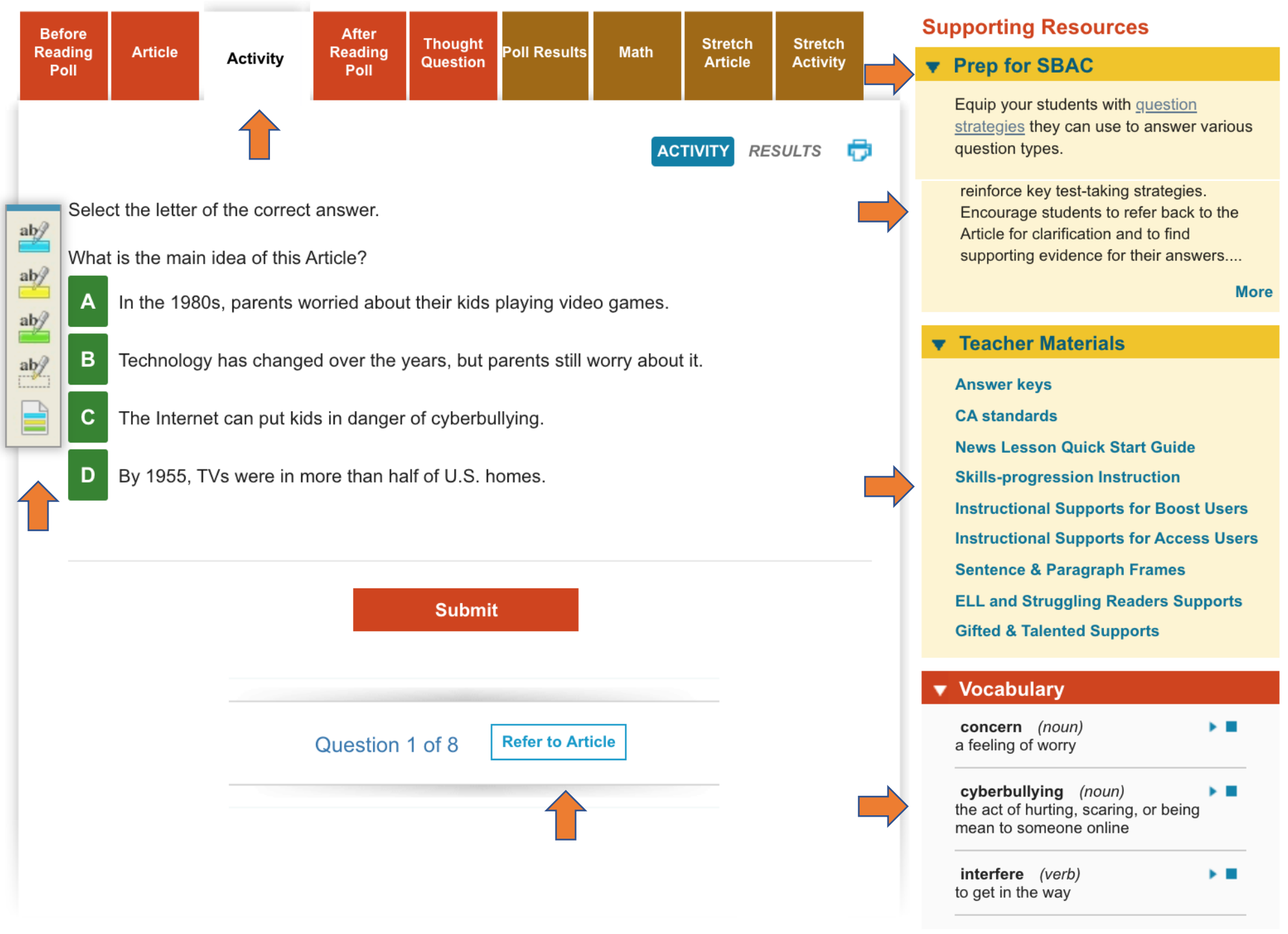
Hello, Internet

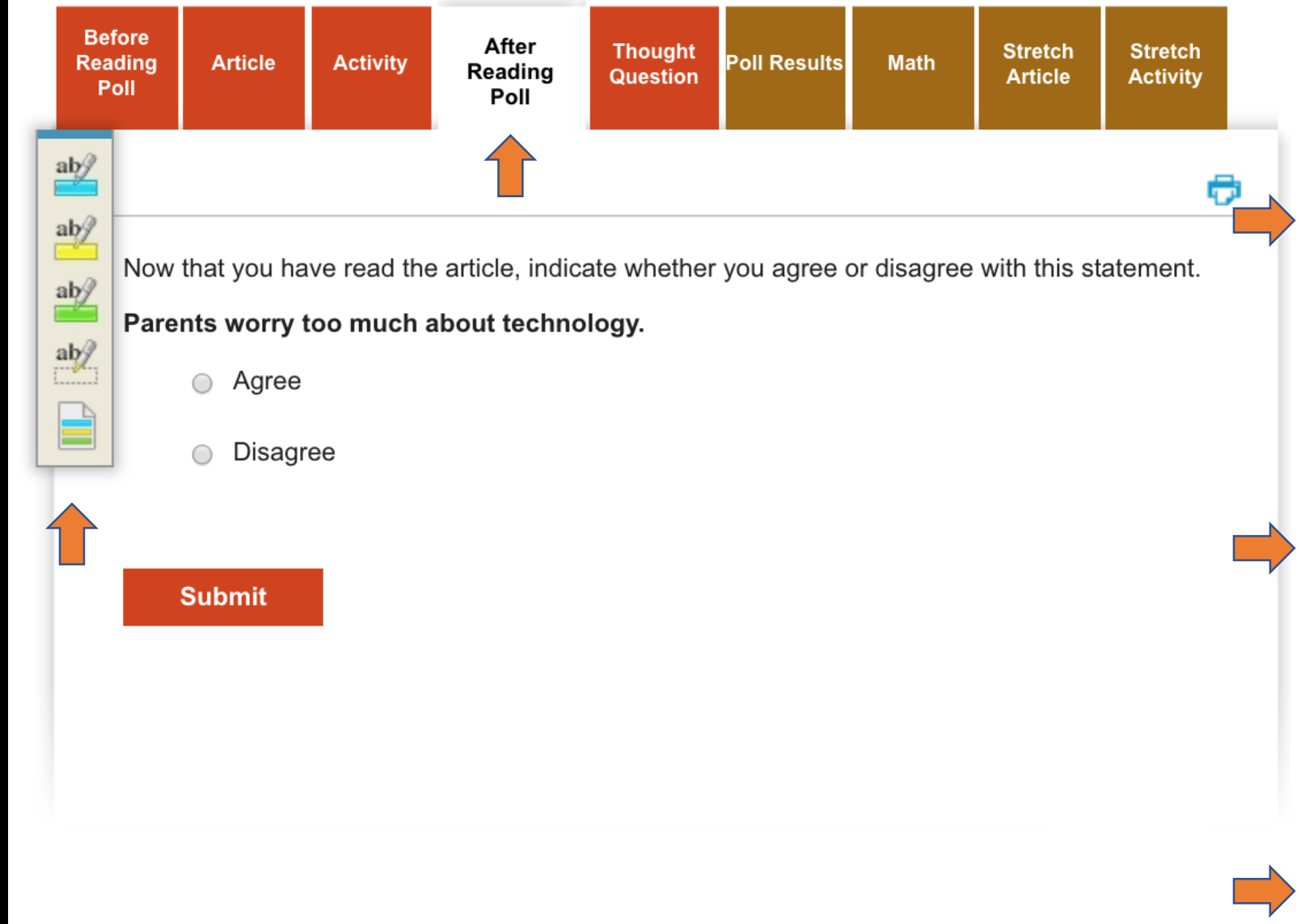
Then came the Internet. It linked people together. Now parents had new worries. They worried about stranger danger. They worried about cyberbullying.

Technology has changed. But one thing is the same. Parents still worry!

Information for this story came from AP.

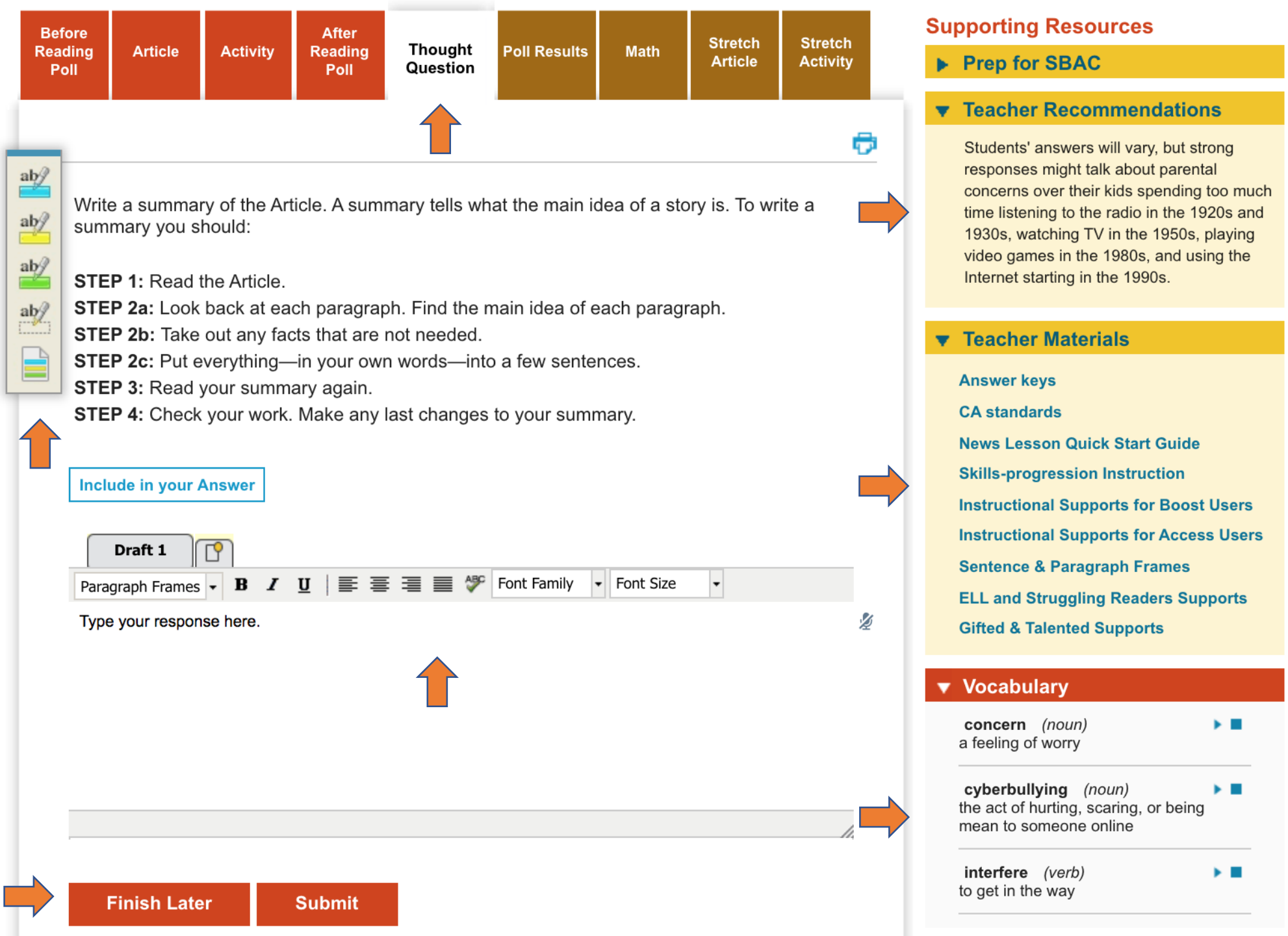
Activity


Before Reading Poll
Article
Activity
After Reading Poll
Thought Question
Poll Results
Math
Stretch Article
Stretch Activity
ACTIVITY
RESULTS
Select the letter of the correct answer.
What is the main idea of this Article?
A In the 1980s, parents worried about their kids playing video games.
B Technology has changed over the years, but parents still worry about it.
C The Internet can put kids in danger of cyberbullying.
D By 1955, TVs were in more than half of U.S. homes.
Submit
Question 1 of 8
Refer to Article
Supporting Resources
Prep for SBAC
Equip your students with question strategies they can use to answer various question types.
reinforce key test-taking strategies. Encourage students to refer back to the Article for clarification and to find supporting evidence for their answers....
More
Teacher Materials
Answer keys
CA standards
News Lesson Quick Start Guide
Skills-progression Instruction
Instructional Supports for Boost Users
Instructional Supports for Access Users
Sentence & Paragraph Frames
ELL and Struggling Readers Supports
Gifted & Talented Supports
Vocabulary
concern (noun)
a feeling of worry
cyberbullying (noun)
the act of hurting, scaring, or being mean to someone online
interfere (verb)
to get in the way



After Reading Poll

Thought Question





Achieve3000 in Spanish

Achieve3000 Implementation Manager Support

- 2nd Grade Teacher Support
- Educating and Modeling Instructional Resources
- Co-teaching and Observational Support
- Supporting teachers with data analysis to monitor student usage and performance



ACHIEVE3000®

Achieve3000 Most Used Reports



How Has My Lexile Performance Changed Over Time?	***How are my Students Spending their Time? How are my Students Performing on Reading Skills?***	***Activity Completion Report***
Monthly Lexile growth and completed activities	Review weekly for efficacy of A3K instruction and remediation needs	Completed lessons and 1st/2nd try scores



A Closer Look at Second Grade…

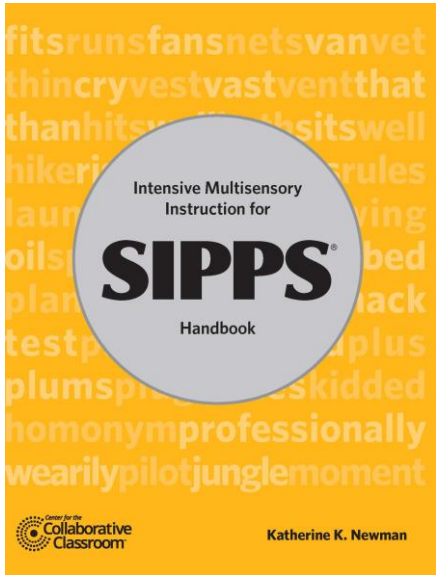
3,379	• Students in Second Grade
2,968	• 88% of students doing 1-2 Activities per Week
2,740	• 92% of students scoring 75% or Higher on First Try

Onboarding for Second Graders

- Benchmark Advance and Adelante
- SIPPS
- Smarty Ants
- Alternative Reading Inventories

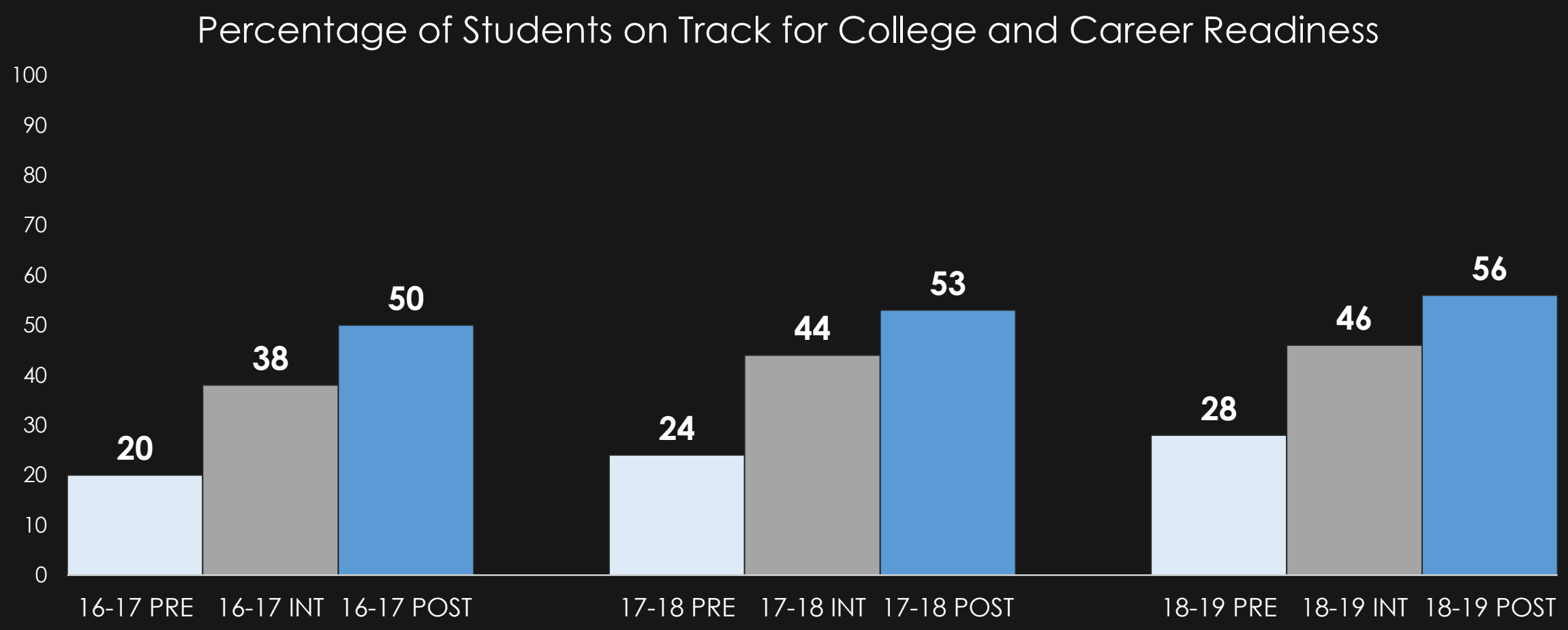




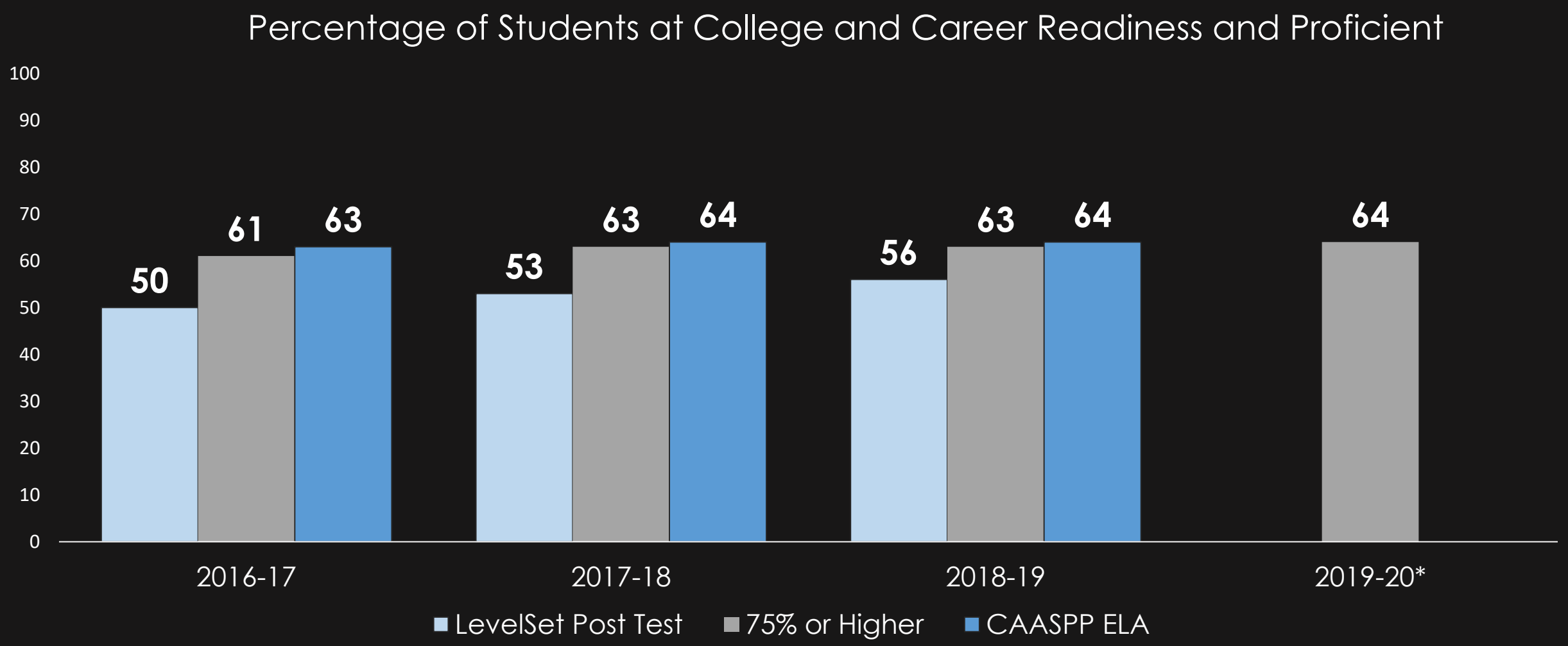




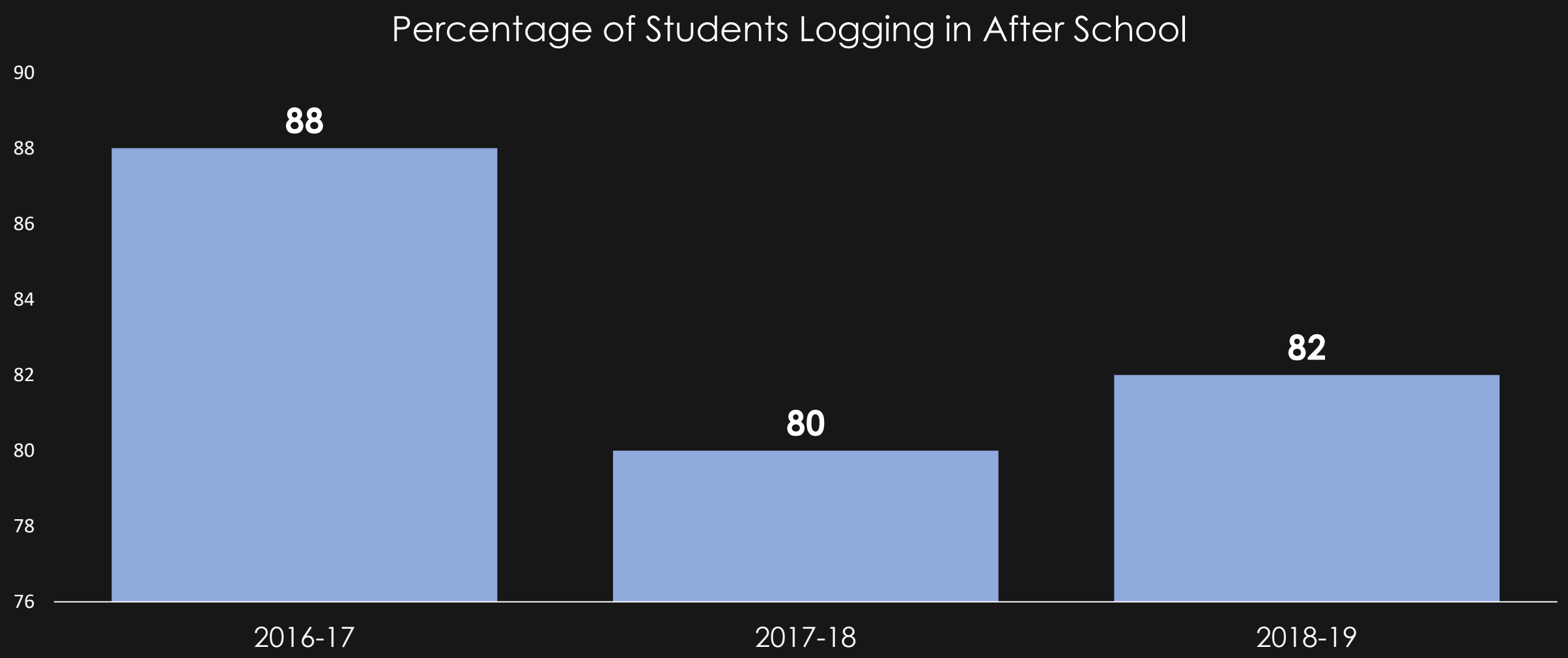
District LevelSet
College and Career Readiness Growth



Achieve3000 and CAASPP ELA Data



After School Usage of Achieve3000



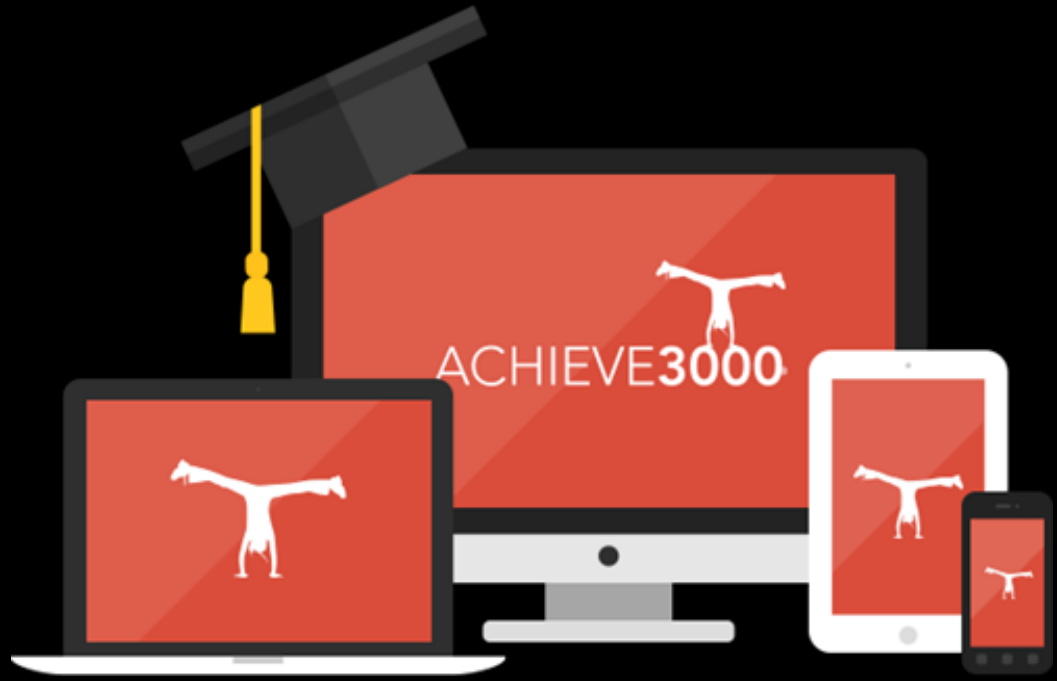


Return on Investment

- **Third Graders**
  Consistently increasing in ELA achievement
- **94% of 17,499**
  Actively use A3K
- **975,000**
  Student Activities Completed
- **87%**
  Score of 75% or Higher First Attempt
- **Funded by**
  Restricted Lottery
- **Cost per Day**
  $ 0.20


MOVING
FORWARD

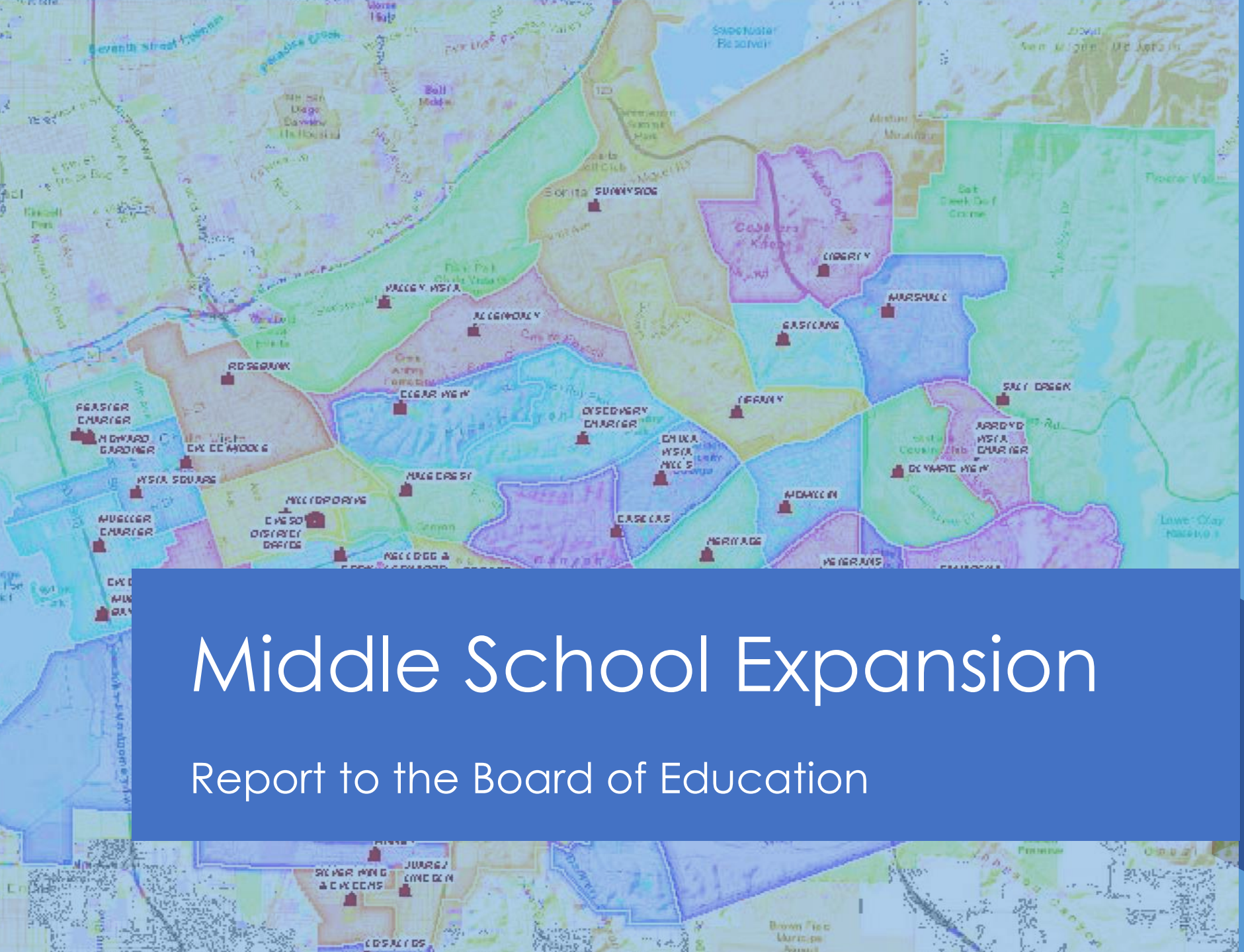




Achieve3000 Implementation in CVESD

Report to the Board of Education

February 12, 2020



Middle School Expansion

Report to the Board of Education

Francisco Escobedo, Ed.D.
Superintendent

February 12, 2020

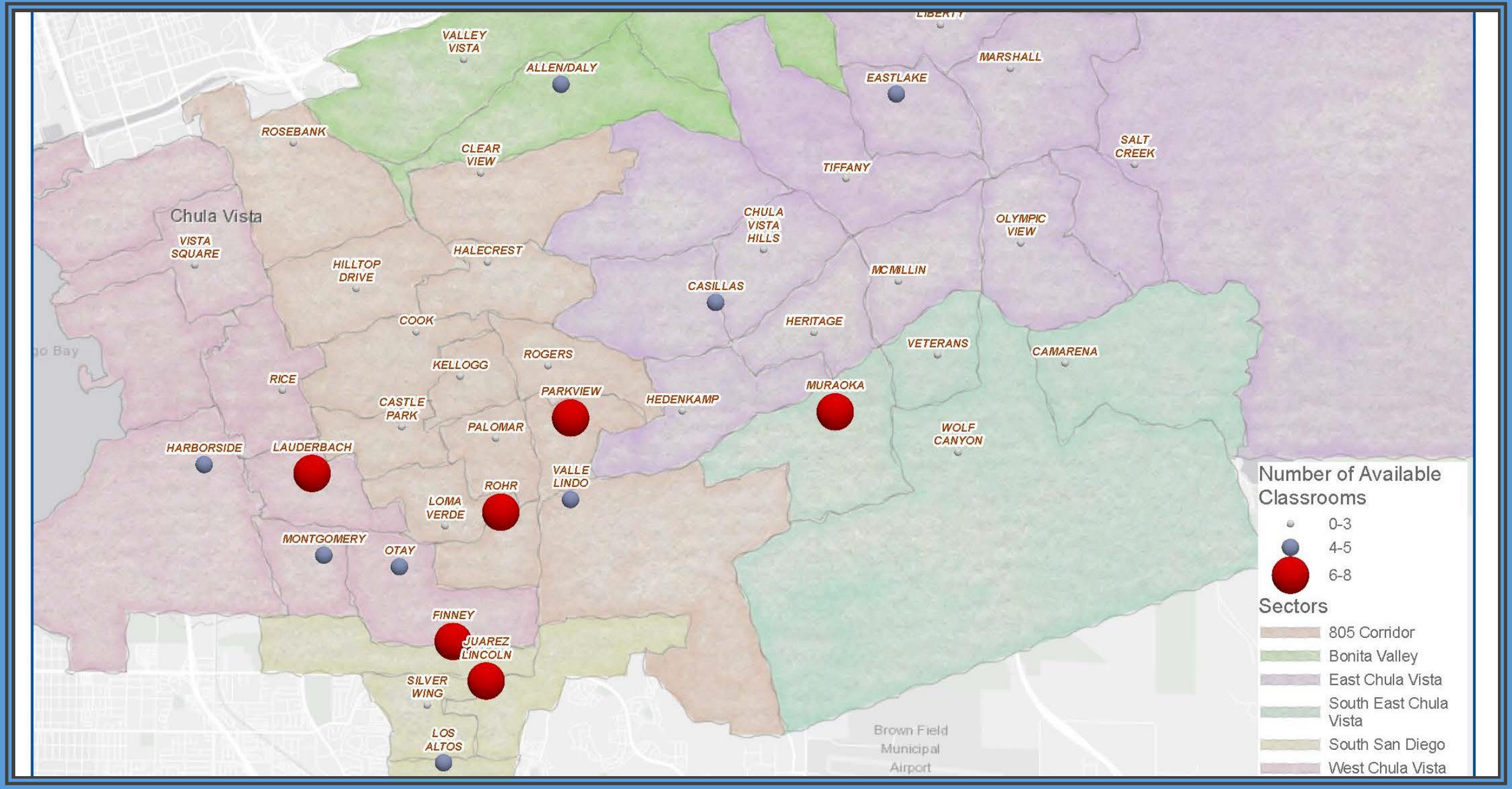
Number of Schools in California By Grade Span

K-5	K-6	K-8	7-8
Number of Schools	Number of Schools	Number of Schools	Number of Schools
2,545	1,951	917	332

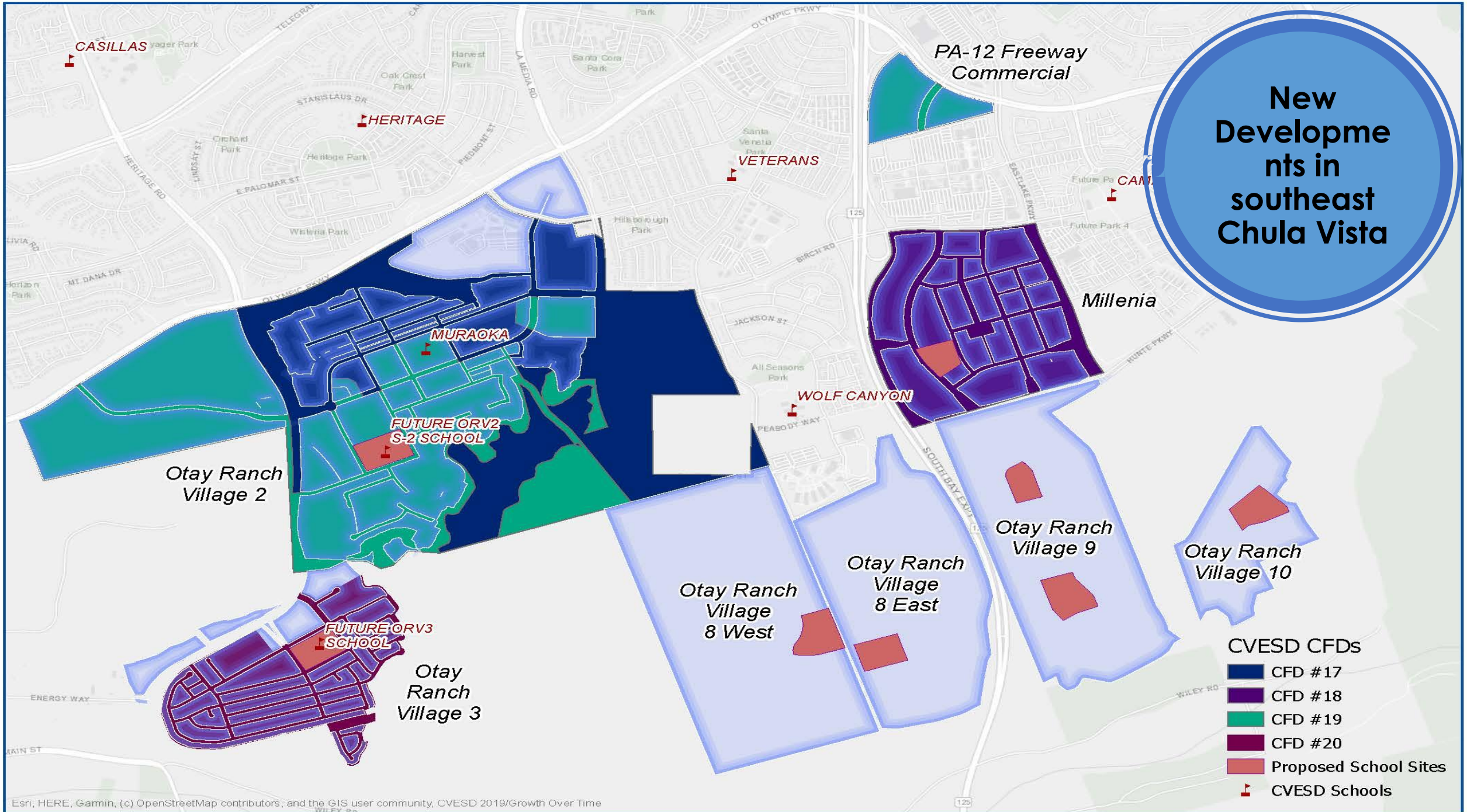
Provided by CalEdFacts

Charter Middle School Configuration

Arroyo Vista	CVLCC	Discovery	Feaster	Mueller
171 Total Students	250 Total Students	107 Total Students	193 Total Students	196 Total Students
7th Grade = 3 8th Grade = 3 TOTAL = 6	7th Grade = 5 8th Grade = 5 TOTAL = 10	7th Grade = 2 8th Grade = 2 TOTAL = 4	7th Grade = 4 8th Grade = 4 TOTAL = 8	7th Grade = 3 8th Grade = 3 TOTAL = 6
Located on campus in designated middle school area	Located on separate middle school campus near 3rd Avenue and G Street	Located on campus in separate wing	Located on campus in designated middle school area	Located on campus



Classroom Availability


New Developments in southeast Chula Vista
CASILLAS
HERITAGE
VETERANS
PA-12 Freeway Commercial
Millenia
MURAOKA
FUTURE ORV2 S-2 SCHOOL
WOLF CANYON
Otay Ranch Village 2
FUTURE ORV3 SCHOOL
Otay Ranch Village 3
Otay Ranch Village 8 West
Otay Ranch Village 8 East
Otay Ranch Village 9
Otay Ranch Village 10
CVESD CFDs
CFD #17
CFD #18
CFD #19
CFD #20
Proposed School Sites
CVESD Schools
Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community, CVESD 2019/Growth Over Time

Classroom Availability

4-5 Classrooms Available

- Allen/Daly
- Casillas
- EastLake
- Harborside
- Los Altos
- Montgomery
- Otay
- Valle Lindo

6-8 Classrooms Available

- Finney
- Juarez-Lincoln
- Lauderbach
- Muraoka
- Parkview
- Rohr



Middle School Expansion

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