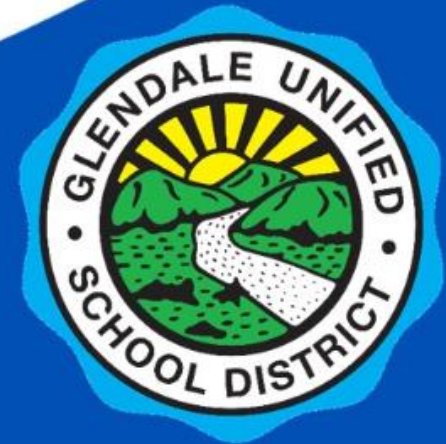


# Academic Success and Innovation at Glendale Unified

May 2, 2023





***Goal 1 - Academic Rigor: Every child is on track to graduate ready for college, career and life.***

## Graduation Rate

	2019	2020	2021	2022
GUSD	88.3%	89.4%	91.7%	94.1%
LA County	86.1%	86.5%	86.3%	89.6%
Statewide	88.1%	87.5%	87.7%	90.4%

- *Results from California Department of Education DataQuest*



# % of Graduates Who Met A-G Requirements for University of California / California State University Schools

	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>
GUSD	57.1%	55.4%	55.2%	61.9%
LA County	54.4%	50.2%	55.5%	55.4%
Statewide	50.3%	50.6%	51.8%	51.1%

- *Results from California Department of Education DataQuest*



# Percent of Students Meeting/Exceeding Standards on CAASPP: ELA and Math

2022	English Language Arts (ELA)	Math
GUSD	61.40%	51.99%
LA County	47.20%	32.86%
Statewide	47.06%	33.38%

- California Reading Coalition ranked GUSD 9th out of 285 districts in reading performance among districts with at least 100 economically-disadvantaged Latino students in 3rd grade.
- *Test revised in 2021, impacting comparison to other years. Limited participation in standardized testing 2020–21 due to pandemic. Data from CAASPP.*



# Percent of Students Meeting/Exceeding Standards on the CAST Science Test

	<b>2022</b>
<b>GUSD</b>	42.62%
LA County	27.56%
Statewide	29.45%

*Limited participation in standardized testing 2020–21 due to pandemic with only a small sampling in one grade level taking the California Science Test (CAST).*



# Building Science Expertise

- NGSS Science instruction training for 5th and 8th grade teachers (K - 4th coming next year for science and math)
  - Lesson demonstrations and hands-on experiences incorporating Carolina Science textbook adoption materials
  - Strategies for effective science instruction to prepare for the CAST
- Super Tutor support for students in a wide variety of science classes such as biology, chemistry, and physics
- Innovative opportunities for hands-on applications for students with our upcoming Mobile Makerspace



# What is a Mobile Makerspace?

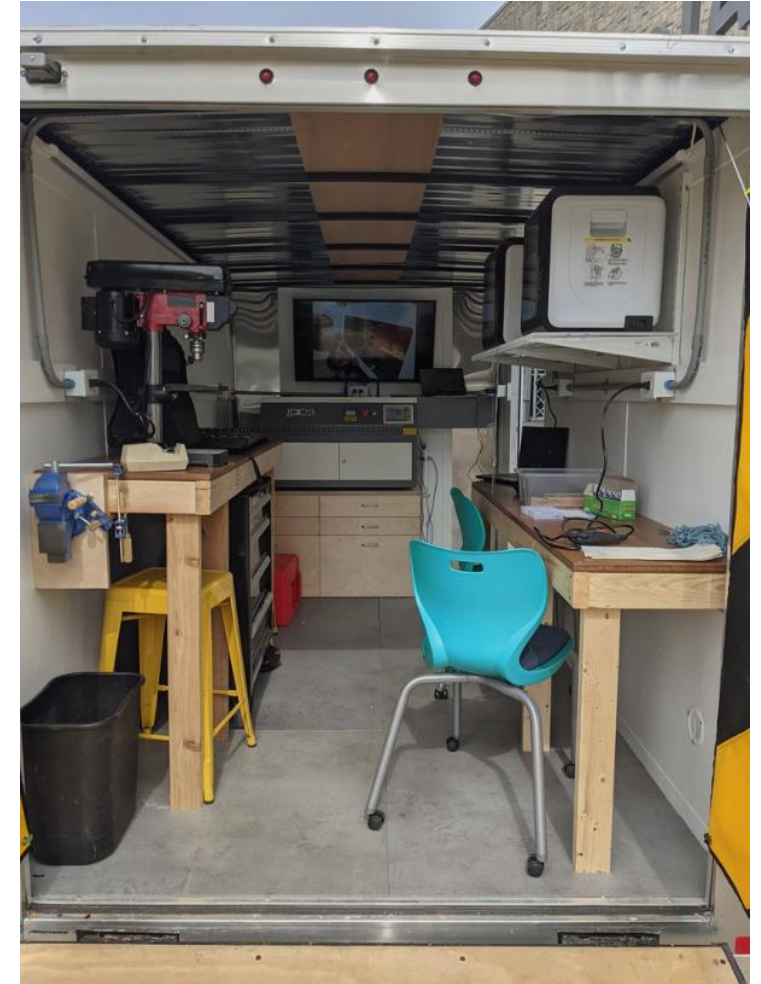
- Mobile Makerspaces are portable labs that contain tools and equipment to complement a wide range of hands-on learning activities that encourage students to bring their design ideas to life.
- Includes 3D printers, sewing machines, laser cutter, Cricut printers, and more





# Where to Find Mobile Makerspaces?

- Mobile Makerspace labs have been successfully launched across the country in rural and urban communities by universities, nonprofits, city governments, and school districts.







# Academic Connections

- Hands-on experiences to enhance STEAM learning, including developing a deeper understanding of Engineering and Design standards
- Students have more choice in their academic pursuits
- Examples of Next Generation Science Standards (NGSS) connections:
  - Grades K-2: students will “develop models that represent concrete events or design solutions”
  - Grades 3-5: students will “develop an object, tool, process, or system” to solve a design problem
- Real-world math applications for geometric and spatial concepts



# Benefits of a GUSD Mobile Makerspace

- Inspire passion for learning, leading to deeper interest
- Prepare students for advanced learning in middle school and beyond, including possible internships
- Equitable opportunity and access for all students on elementary campuses by traveling from site to site on a predetermined schedule
- Cost-saving: Resources and equipment are shared among school sites
- Effective use of space: Elementary campuses will not lose a classroom or space to provide students with maker experiences



# Benefits of a GUSD Mobile Makerspace

- Critical thinking and creativity are at the center of the design experience
- Collective GUSD makerspace website featuring GUSD teacher projects to inspire other teachers with grade-specific, student-centered, NGSS-aligned learning projects
- Student agency and passion for learning at the front of every experience: students are creating and defining their own learning



# Background Work

- Site visits at Glendale Library, Arts & Culture (GLAC) and AGBU Innovation Studios
- Research for makerspace design and materials
  - Consultation with Crash Space leader in Venice and other makerspace leaders
  - Consultation with GUSD facilities team and teachers with expertise
- Grants and sponsors for equipment and materials in process
- Gathered teacher interest for learning and using makerspace tools
  - 40+ interested in training
  - 8 teachers to lead training sessions





# Next Steps

- Goal: November 2023 completion, January 2024 site launch
- Develop technical, instructional, and safety training modules for all participating personnel
- Organize and provide resources on the GUSD makerspace website
- Prepare school site visit schedule

# Questions?

