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Charter Schools Division 2021-22 Annual Report

School Name: Southwest Aeronautics, Mathematics and Science Academy

School Address: 6441 Ventana Rd. NW, Albuquerque, NM 87114

Head Administrator: Bridget Barrett

Governing Board Chair: Larry Kennedy

Business Manager: Sean Fry

Authorized Grade Levels: 6-12

Authorized Enrollment: 500

2021-22 End of Year Enrollment: 242

Contract Term: 2019-2024

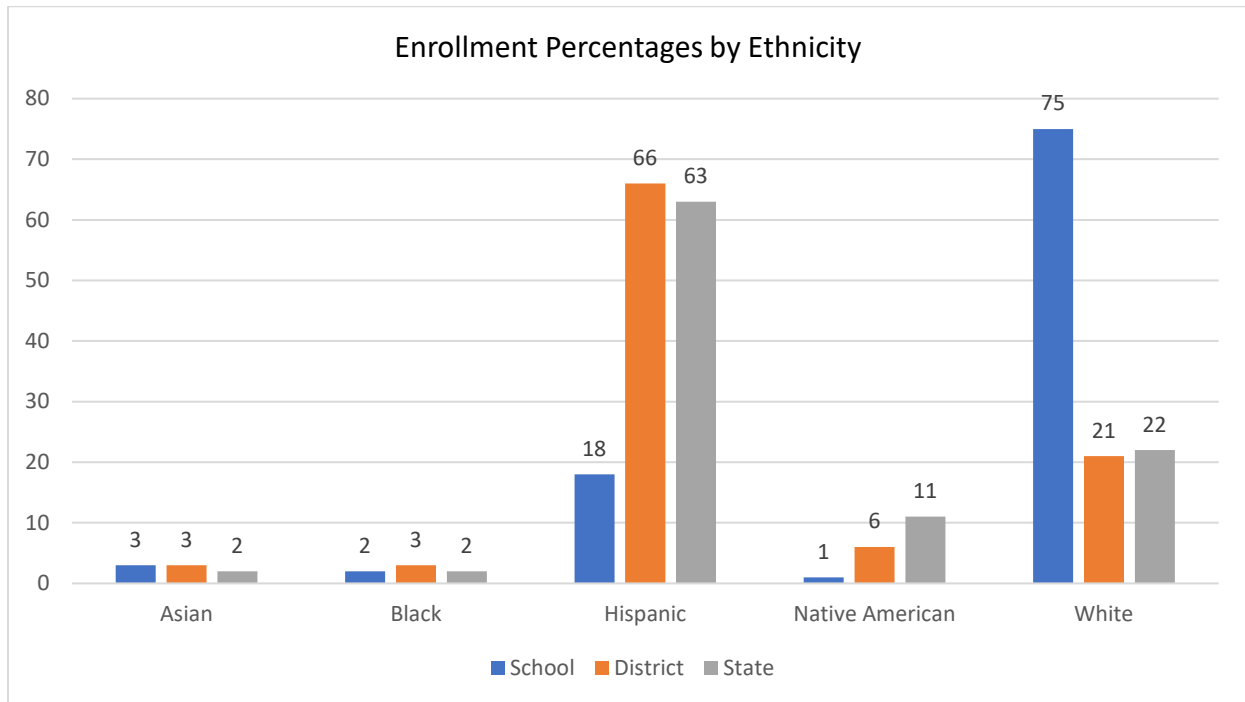
Mission: The mission of the Southwest Aeronautics, Mathematics, and Science Academy is to prepare students, with attention to high-risk students, in grades 7-12 in an integrative STEM 21st Century educational environment which offers a unique options in aeronautics. Students will be competent in the reading, writing, mathematics, science, technology, and problem-solving skills necessary for success in post-secondary education, high-tech, or aviation related careers.

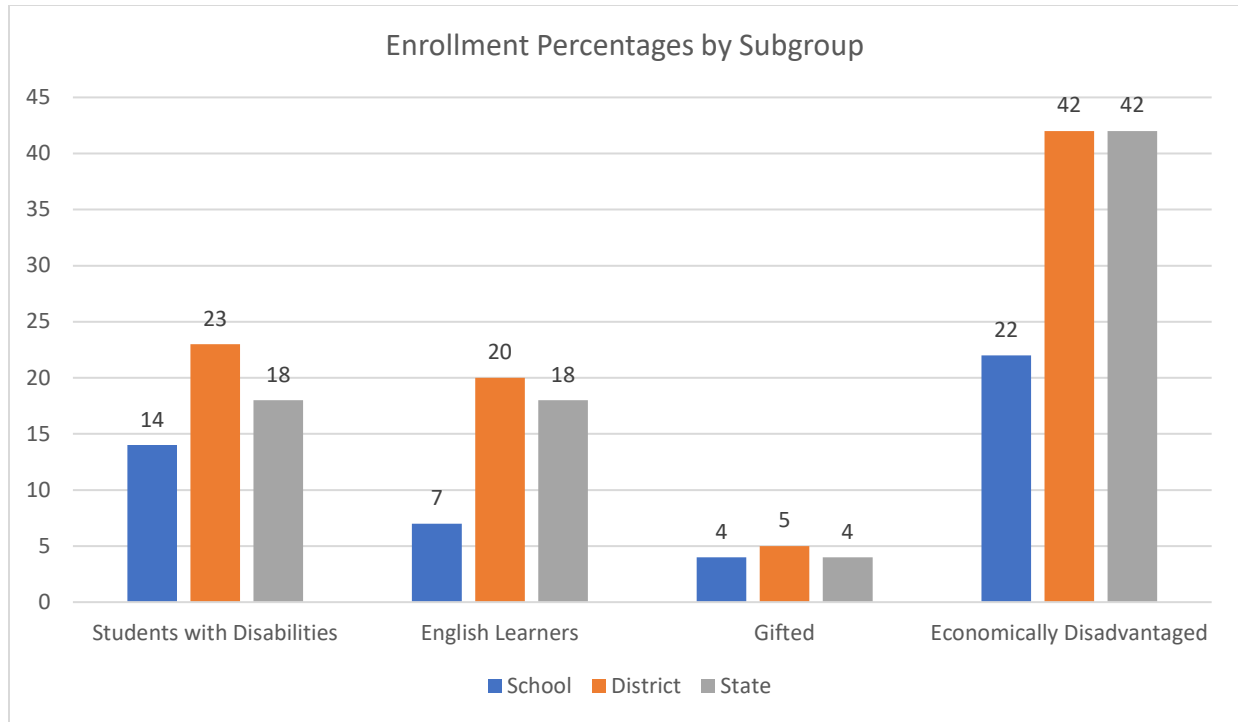
About the School

Southwest Aeronautics Mathematics and Science Academy (SAMS) was founded in 2012 as a PEC-authorized charter school in Albuquerque. The school serves grades 6-12 and as of the 2021-2022 school year, has a total enrollment of 242 students.

SAMS offers to all students, but with special attention to at-risk students, an integrative STEM-based educational environment with a unique option in exploring aeronautics, although not all students need to pursue their pilot's license. All SAMS students complete their core curriculum through Edgenuity, an online curriculum, where students physically attend school with SAMS teachers available to offer supplementary instruction and support as they manage their online content. The school offers a SMART lab where students perform collaborative, hands-on group work in science, math, art, engineering, and technology. Students in grades 9-12, who are interested, may also pursue the school's aviation program, which includes coursework, ground school, and flight school including simulator and aircraft training. Finally, the school offers dual enrollment courses with some available through the aviation program.

Demographics as reported in STARS 2021-22 End of Year (EOY)





Academic Performance

Academic Performance Framework Indicators	2021-22 Score (100 points possible)
1: State Accountability System: NMVISTAS Overall Score	58
2: Subgroup Performance: high, middle, and low-performing quartiles	Not calculated by PED for 2021-22
3: School-specific Goals: if two goals, average of points on each goal	83
Overall Academic Score: average of Indicators 1 and 3	71

State Accountability System

The New Mexico State Accountability System gives every public school in the state an overall score. The top 25% of schools are designated Spotlight schools.

Schools were ranked by percentile within school type, with high schools being ranked separately from elementary and middle schools because of differences in how points are calculated (e.g., graduation factoring into high school but not elementary school accountability).

Schools below the 75th percentile are designated either a Traditional Support School or are given one of several designations indicating a need for greater support:

- Targeted Support and Improvement (TSI): Public Schools (Title I and non-Title I) with one or more student groups that meet the state's definition of consistently underperforming
- Additional Targeted Support and Improvement (ATSI): Public Schools (Title I) with one or more student groups performing as poorly as the lowest performing 5 percent of Title I schools identified for CSI
- Comprehensive Support and Improvement (CSI) Student Group: Title I schools that were previously identified for additional targeted support and improvement and that did not meet the statewide criteria for exiting ATSI status within the number of years determined by the state
- CSI – Graduation Rate: All public high schools in the state (Title I) with a four-year graduation rate below 66.67% for at least two out of the past three years
- CSI – Low Performing: Schools scoring in the bottom 5% of all Title I schools
- More Rigorous Intervention (MRI): If a CSI School does not satisfy exit criteria within the identification cycle, they are identified as MRI.

Southwest Aeronautics, Mathematics, and Science Academy ranked above **79.6%** of high schools statewide. The school received a designation of **Spotlight school**.

Proficiency

In prior years, Early Literacy (ELIT) data from the Istation assessment administered to grades K-2 was aggregated into an overall reading proficiency score. In 2021-22, Istation data are provided as a separate metric (ELIT). Only schools that serve grades K-2 will include ELIT data.

Because science is assessed only in grades 5, 8, and 11, schools that do not serve these grades have no science proficiency data.

Data are masked as follows in the charts shown below:

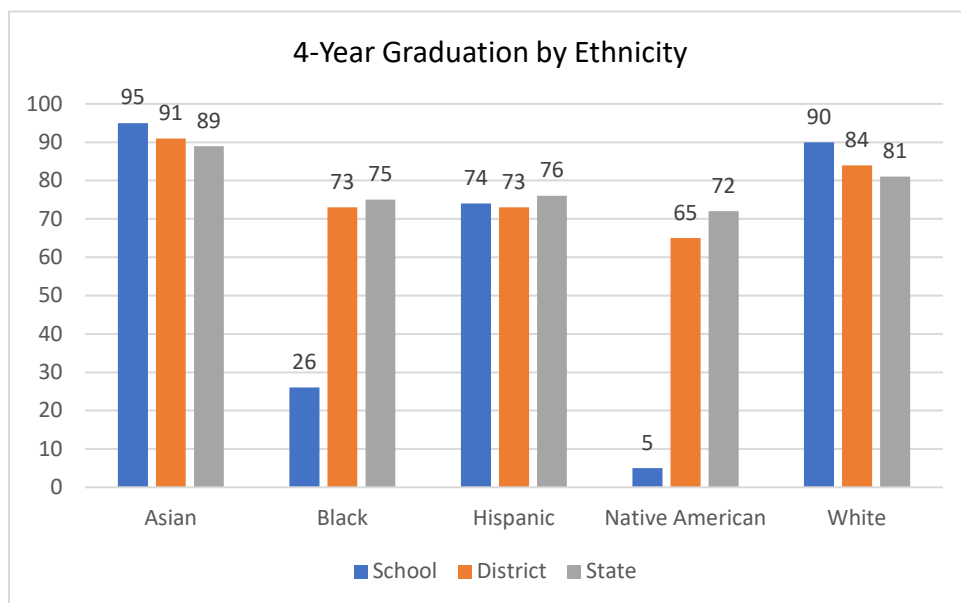
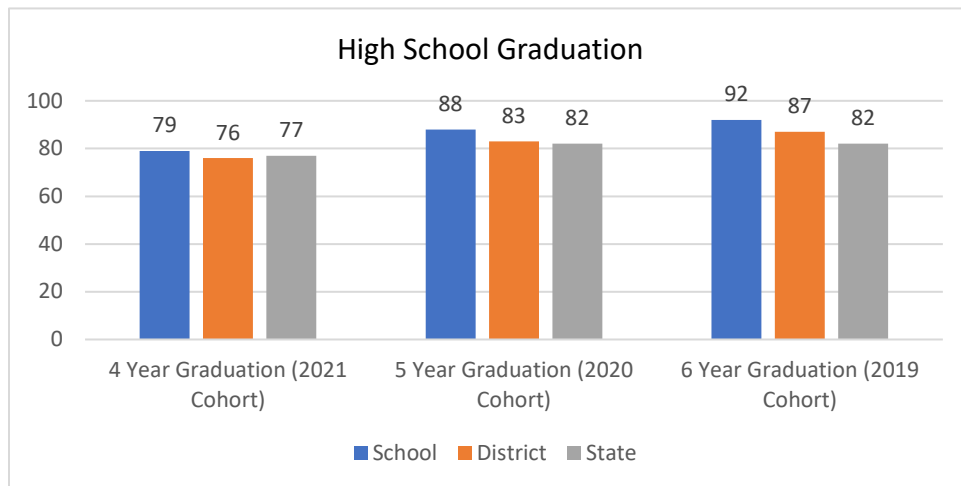
Students	Percentages Given	Data Masking
N = 0		<p>Examples:</p> <p>In a group of 17 students, if the proficiency was 3% the chart would show $\leq 20\%$ and if it was 98% it would show $\geq 80\%$.</p> <p>In a group of 59 students, if the proficiency was 3% the chart would show $\leq 5\%$ and if it was 98% the chart would show $\geq 95\%$.</p>
N < 10	*****	
N = 10-20	20% to 80%	
N= 21-40	10% to 90%	
N = 41-100	5% to 95%	
N = 101-300	2% to 98%	
N > 300	1% to 100%	

Subgroup Proficiencies			
	Reading	Math	Science
All	52%	28%	62%
Asian	*****	*****	*****
Black	*****		*****
Hispanic	*****	*****	*****
Native			
White	49%	32%	64%
SwD	*****	*****	*****
EL	*****	*****	*****
FRL	38%	*****	*****

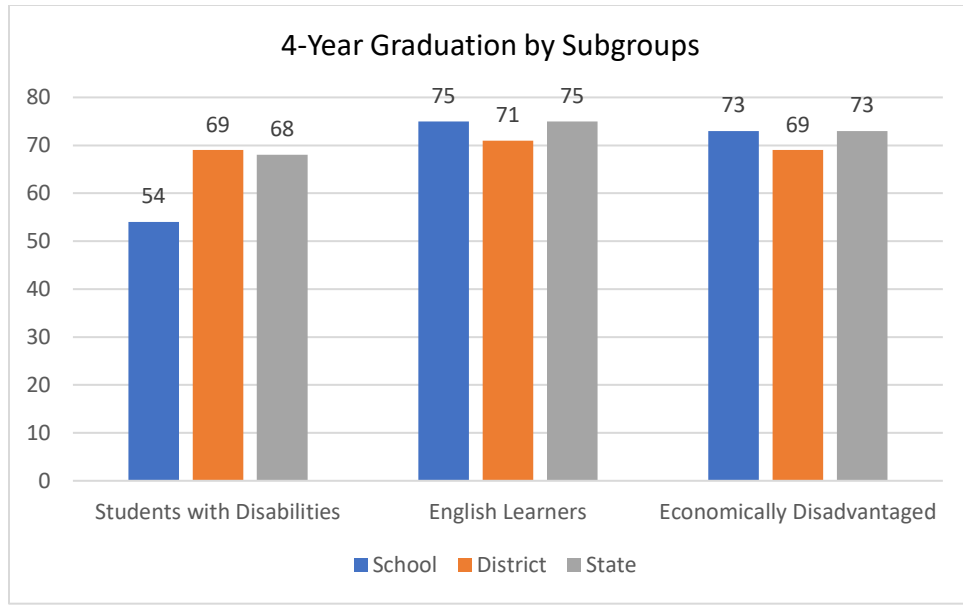
English Learner Progress toward Proficiency: 0%

High School Graduation

Data refer to prior year cohorts, with the most recent 4-year graduation data available for the 2021 graduation cohort, 5-year data for the 2020 cohort, and 6-year data for the 2019 cohort. The 4-year, 5-year, and 6-year graduation rates for these years are provided with comparative data for the state and district. The 4-year rate is then disaggregated by ethnicity and student group.



Note: The school-level percentage for the Asian category is $\geq 95\%$ in order to mask data due to student population size. The school-level percentage for the Native American category is $\leq 5\%$ in order to mask data due to student population size.



Mission-Specific Goals

Goal 1: 75% of students in grades 7-9, enrolled on 40th day, will complete the SMART Lab elective annually with a score of “C” or better.

Performance Level	Target	Points
Exceeds Standard	86% - 100% of students in grades 7-9, enrolled on 40th day, will complete the SMART Lab elective annually with a score of “C” or better.	100
Meets Standard	75-85% of students in grades 7-9, enrolled on 40th day, will complete the SMART Lab elective annually with a score of “C” or better.	75
Does Not Meet Standard	60-74% of students in grades 7-9, enrolled on 40th day, will complete the SMART Lab elective annually with a score of “C” or better.	25
Falls Far Below Standard	59% or less of students in grades 7-9, enrolled on 40th day, will complete the SMART Lab elective annually with a score of “C” or better.	0

Rating: Exceeds Standard (86%)

Goal 2: 75% of students in each grade level 10-12, enrolled on the 40th day, will take one STEAM elective, at least 0.5 credit annually, earning a “C” or better.

Performance Level	Target	Points
Exceeds Standard	76-100% of students in each grade level 10-12, enrolled on the 40th day, will take one STEAM elective*, at least 0.5 credit annually, earning a “C” or better.	100
Meets Standard	75-85% of students in each grade level 10-12, enrolled on the 40th day, will take one STEAM elective*, at least 0.5 credit annually, earning a “C” or better.	75
Does Not Meet Standard	60-74% of students in each grade level 10-12, enrolled on the 40th day, will take one STEAM elective*, at least 0.5 credit annually, earning a “C” or better.	25
Falls Far Below Standard	59% or less of students in each grade level 10-12, enrolled on the 40th day, will take one STEAM elective*, at least 0.5 credit annually, earning a “C” or better	0

Rating: Meets Standard (80%)

Organizational and Financial Performance Framework

2021-22 Overall Rating: Meets Standard

Pursuant to the [PEC Performance Framework and Accountability System \(2019\)](#), schools receive ratings of **Meets Standard**, **Working to Meet Standard**, or **Does Not Meet Standard** for individual indicators in the framework. Explanations for any rating other than Meets Standard are provided below.

The school also receives an overall rating of either **Meets Standard** or **Does Not Meet Standard** for the year. If a school receives a **Does Not Meet Standard** rating for three or more indicators, it will receive an overall rating of **Does Not Meet Standard**.

SW Aeronautics, Math & Science Academy	2019-20	2020-21	2021-22
Organizational and Financial Performance			
1a Mission and Educational Program	Meets Standard	Meets Standard	Meets Standard
1b State Assessment Requirements	Meets Standard	Not Reviewed	Does Not Meet Standard
1c Rights of Students with Disabilities	Working to Meet Standard	Meets Standard	Meets Standard
1d Rights of English Learners	Working to Meet Standard	Working to Meet Standard	Meets Standard
1e Meeting Program Requirements	Meets Standard	Assurances	Meets Standard
1f NM DASH Plan	N/A	N/A	Meets Standard
2a Financial Reporting and Compliance	Working to Meet Standard	Working to Meet Standard	Meets Standard
2b Accounting Principles	Meets Standard	Does Not Meet Standard	Meets Standard
2c Responsive to Audit Findings	Working to Meet Standard	Meets Standard	Meets Standard
2d Managing Grant Funds	Meets Standard	Meets Standard	Meets Standard
2e Staffing for Fiscal Management	Meets Standard	Meets Standard	Meets Standard
2f Internal Controls	Meets Standard	Meets Standard	Meets Standard
3a Governance Requirements	Working to Meet Standard	Meets Standard	Meets Standard
3b Nepotism, Conflict of Interest	Meets Standard	Assurances	Meets Standard
3c Reporting Requirements	Meets Standard	Assurances	Meets Standard
4a Rights of All Students	Meets Standard	Assurances	Meets Standard
4b Attendance and Retention	Meets Standard	Meets Standard	Working to Meet Standard
4c Staff Credentialing	Meets Standard	Assurances	Meets Standard
4d Employee Rights	Meets Standard	Assurances	Meets Standard
4e Background Checks, Ethics	Working to Meet Standard	Assurances	Meets Standard
5a Facilities	Meets Standard	Assurances	Meets Standard
5b Transportation	Meets Standard	Assurances	Meets Standard
5c Health and Safety	Working to Meet Standard	Assurances	Meets Standard
5d Handling Information	Meets Standard	Assurances	Meets Standard

Explanation of 2021-22 Indicator Ratings

1.b. ELA and math participation 82%, science 76%, ACCESS 58%. Target is 95% for all assessments.

4.b. Attendance 93% EOY.