


Projection Palooza:

Exploring the Uses of VVAAS
Student Projections

vvaas.sas.com



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Introductions

Thank you for joining us today!



Chris Maxwell
Educator Support Specialist
SAS EVAAS



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Exploring Connections

Share the following:

NAME and ROLE

DIVISION or SCHOOL

ONE HIDDEN TALENT

Purpose: Introductions

1. At your table, introduce yourself using the prompts to the left.
2. When your team is finished, **wave your hands in the air like you just don't care.**

Who is easier to know than your talent?



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How can I get the most out of this session?



Communication

Sharing thoughts, questions, and ideas



Collaboration

Working together to reach a goal



Critical Thinking

Approaching problems in creative, new ways




Curiosity

Exploring, investigating, and learning




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AGENDA

- 01 FOUNDATIONS
- 02 CUSTOM STUDENT REPORTS AND PROJECTION TILES
- 03 PROJECTION SUMMARIES
- 04 RESOURCES AND SURVEY




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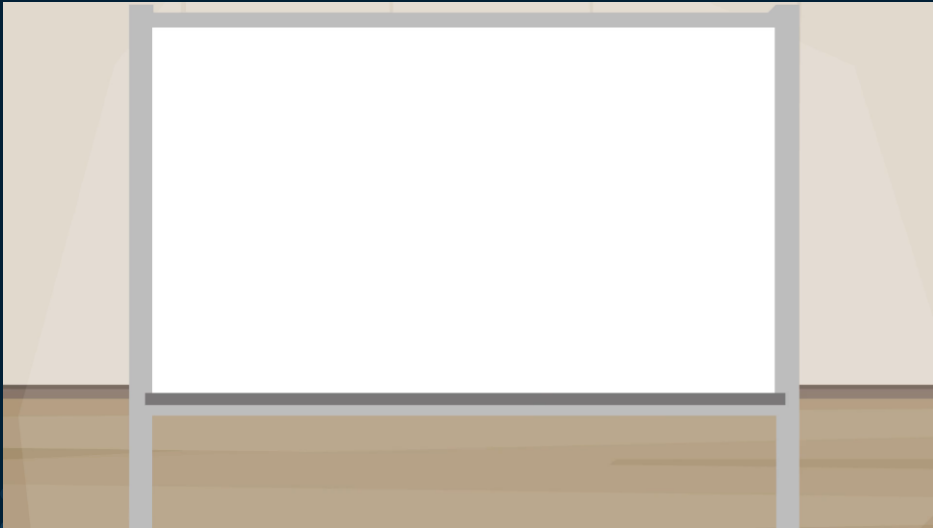
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Introduction to Projections



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Introduction to Projections

What are projections anyway?



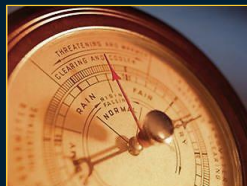
Population Growth



Demand for Electricity



Inventory Management



Weather Forecasts

Given a specific set of circumstances, what is the most likely outcome?



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Introduction to Projections



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Introduction to Projections



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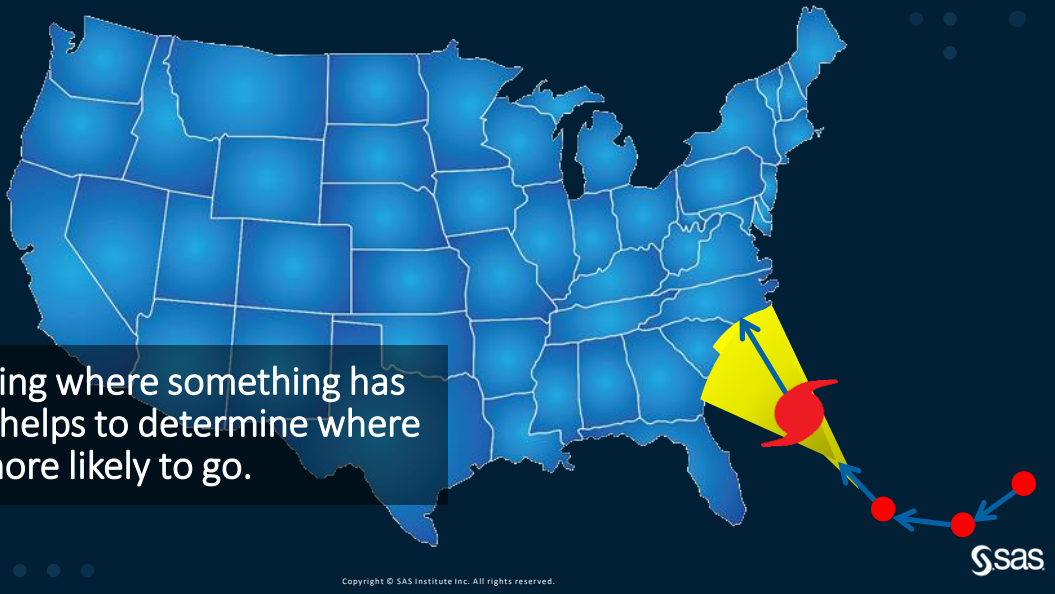


Introduction to Projections



Introduction to Projections

Knowing where something has been helps to determine where it is more likely to go.



Historical Relationships



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VVAAS Projections



Testing history for Sallie, who has not taken the 8th grade math assessment

Testing histories for all students who took the most recent 8th grade math assessment

Sallie's Projection to 8th grade math assessment:
65th %-ile

The actual scores of all these students on the 8th grade math assessment.



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Looking Ahead: Future Projections

How are projections calculated?

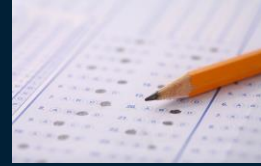


Individual student's own testing history.



Testing histories for all students who took the most recent 8th grade math assessment

Testing histories for students who tested in the prior year.



Actual performance of students from the prior year's cohort.



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Student Projections

How do we use them to improve instruction?



Course Placement

Which courses might a student benefit from taking?

1

10 Mins



Grouping Students

Which students need targeted learning opportunities?

2


15 Mins



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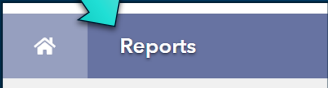
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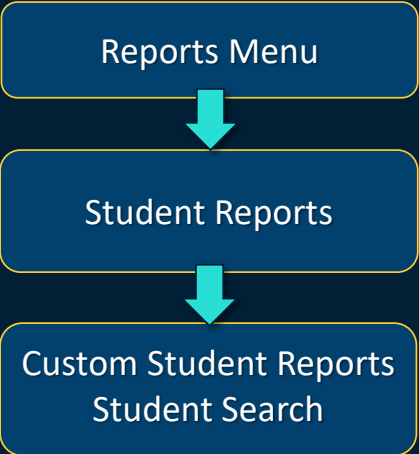


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Student Reports



Navigation




```
graph TD; A[Reports Menu] --> B[Student Reports]; B --> C[Custom Student Reports  
Student Search];
```




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Custom Student Reports

Report: Custom Student Reports

 [Create a New Report](#)


Report Name	Last Updated	Options
Mr. Maxwell's First Period	2023 5:19 PM	Add Students Rename Delete





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Custom Student Reports



#	Student	Division	Enrolled School	Gender	Race	Grade	EL	IEP	Probability	Projected State Percentile
1.	Student-DfCV	Division-KCT	School-CCzM			10	N	N	40.9	25
2.	Student-EgFL	Division-KCR	School-CCLw			10	N	Y	46.6	26
3.	Student-HFLJ	Division-KCq	School-CCVn			9	N	N	59.8	34
4.	Student-HFYQ	Division-KCg	School-CCQh			9	N	N	63.5	36
5.	Student-ErZc	Division-KBb	School-CBxB			10	N	N	63.8	36
6.	Student-FpRV	Division-KCm	School-CCTN			10	N	N	74.5	42
7.	Student-fZS	Division-KCm	School-CCSY			11	Y	N	93.8	65
8.	Student-qS	Division-KBT	School-CBvz			11	N	Y	95.5	67
9.	Student-HFkD	Division-JzC	School-CCxQ			9	N	Y	96.2	65
10.	Student-ErZb	Division-Jzm	School-CBkh			10	N	N	99.3	76
11.	Student-ErPs	Division-Jzj	School-CBgG			10	N	Y	99.9	92



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Student Projections Tile

The screenshot shows the VVAAS interface for a 'Sample Student'. The main content area features a 'Testing Information' chart titled 'Testing History' which plots NCE scores over time. A blue callout box with a downward arrow says 'Scroll down'.

Testing Information
This data tile displays the student's performance on prior assessments. The data represents snapshots of the student's academic performance each year and should not be interpreted as a student's growth trend.

Year (Semester)	NCE Score
2019 (1st)	~75
2022 (1st)	~85



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Student Projections Tile

Student Projections ←

A projection is a reliable indicator of a student's likelihood of reaching or exceeding future performance levels or benchmarks. It is based on the student's past performance on assessments across subjects.

Probability of Reaching or Exceeding the Indicated Performance Level or Benchmark

Tests and Subjects	Grade	Performance Levels or Benchmarks			
		Fail/Below Basic	Fail/Basic	Pass/Proficient	Pass/Advanced
SOL Mathematics	7	100.0%	99.9%	95.3%	1.9%
SOL Mathematics	8	100.0%	99.9%	86.9%	1.3%

Performance Levels or Benchmarks

- Fail/Below Basic
- Fail/Basic
- Pass/Proficient
- Pass/Advanced

Tests and Subjects

- SOL
 - Mathematics
 - Reading

→ Data can be narrowed using the tile filter panel

[View All Subjects](#)



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Course Placement

Student Projections



Course Placement

Which courses might a student benefit from taking?

1

First:

1. **Remove** the materials from the orange folder on your table.
2. **Review** the teachers' notes for last year's 6th grade students.
3. **Identify** students for next year's accelerated math course using anecdotal notes only.



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Course Placement

Student Projections



Course Placement

Which courses might a student benefit from taking?

1

Next:

1. **Remove** the materials from the yellow folder on your table.
2. **Evaluate** the students' projection data using the Custom Student Report and Student Projection tiles.
3. **Adjust** your recommendations for accelerated math course placement, as necessary.



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Course Placement

Student Projections



Course Placement

Which courses might a student benefit from taking?

1

Now:

1. **Form** groups of 3 to 4.
2. **Take turns** discussing the question.
3. **Choose** a spokesperson to share ideas.

How did the student projections impact your recommendations for accelerated math next year?

Remember, projections are based on an average learning experience.



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Course Placement

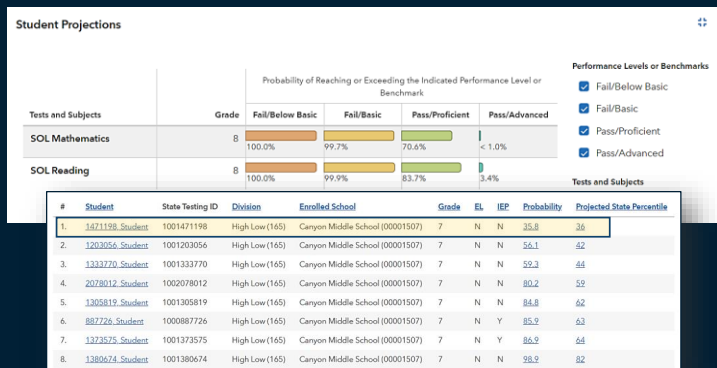
Student Projections



Course Placement

Which courses might a student benefit from taking?

1



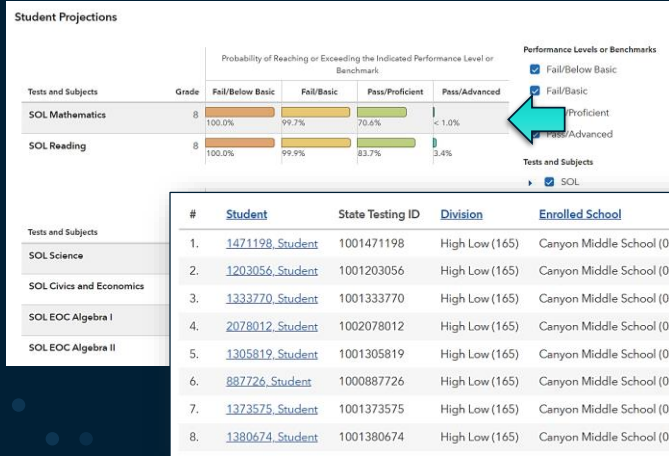
Note: Projections are based on an average learning experience.



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Examining Projections Through Different Lenses

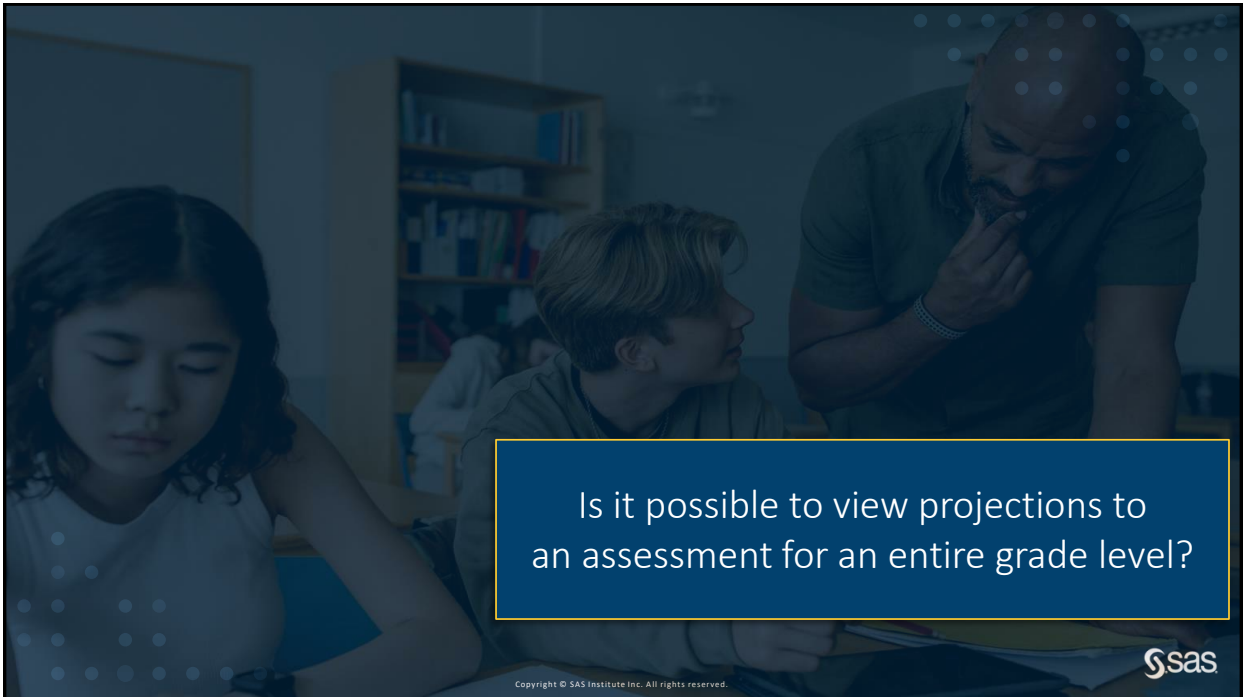
Custom Student Report vs Student Projection Tile



A Custom Student Report Tile shows projections available for the entire grade level.



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Is it possible to view projections to an assessment for an entire grade level?



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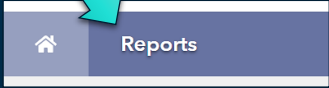
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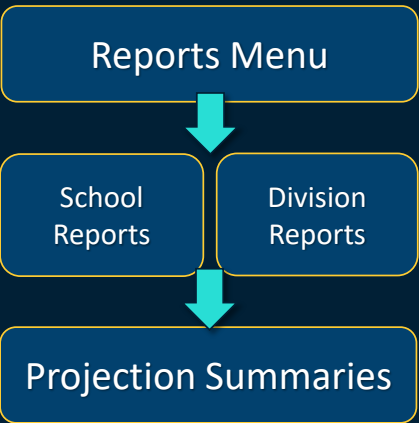


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Student Reports



Navigation



```
graph TD; A[Reports Menu] --> B[School Reports]; A --> C[Division Reports]; B --> D[Projection Summaries]; C --> D;
```

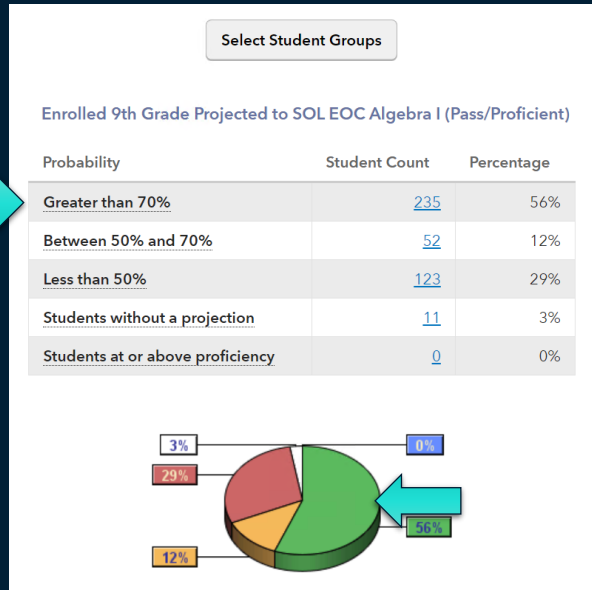


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Student Reports

Projection Summary

“Of our enrolled 9th graders, _____ have a _____ probability of reaching **Pass/Proficient** or **higher** on the 9th Grade SOL Algebra I assessment.”

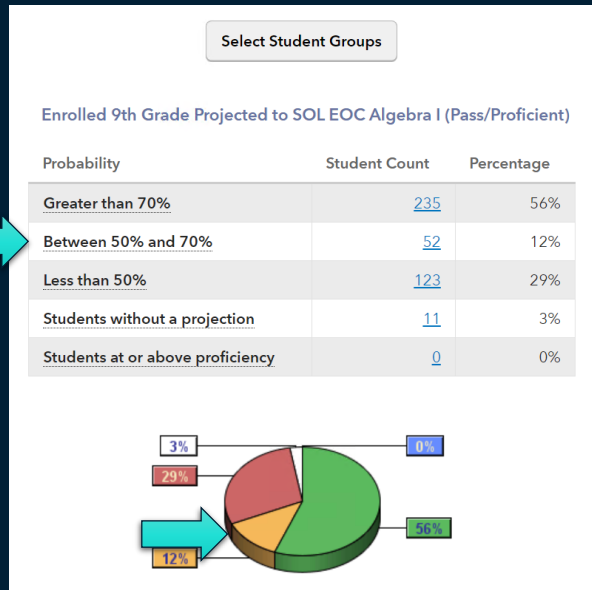


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Student Reports

Projection Summary

“Of our enrolled 9th graders, _____ have a _____ probability of reaching **Pass/Proficient** or **higher** on the 9th Grade SOL Algebra I assessment.”

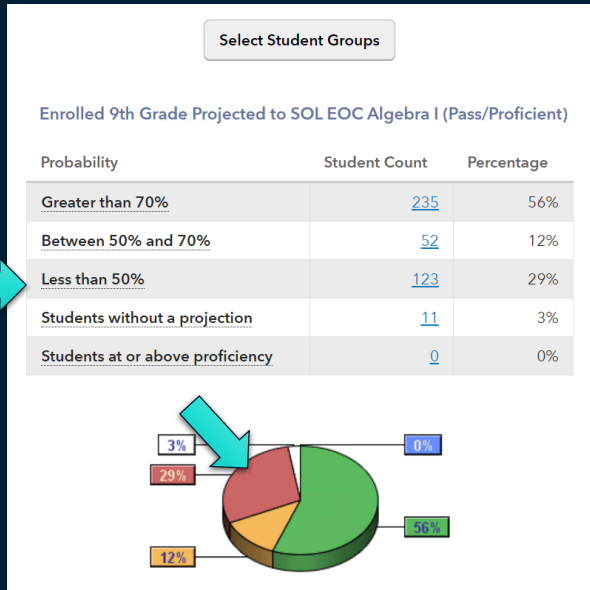


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Student Reports

Projection Summary

“Of our enrolled 9th graders, _____ have a _____ probability of reaching **Pass/Proficient or higher** on the 9th Grade SOL Algebra I assessment.”

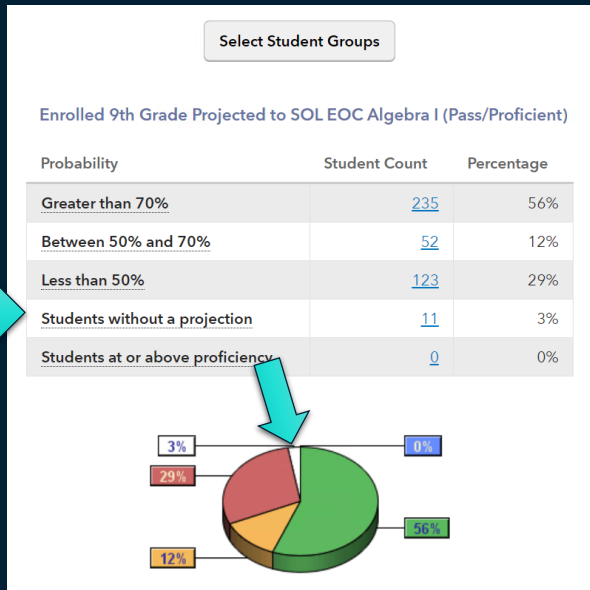


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Student Reports

Projection Summary

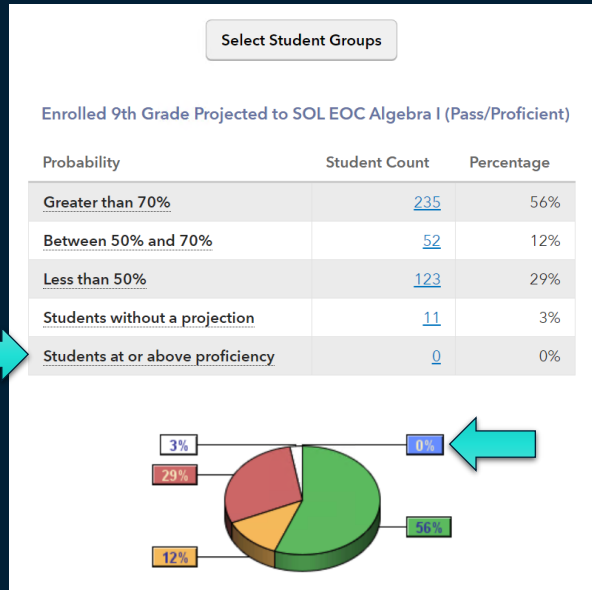


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Student Reports

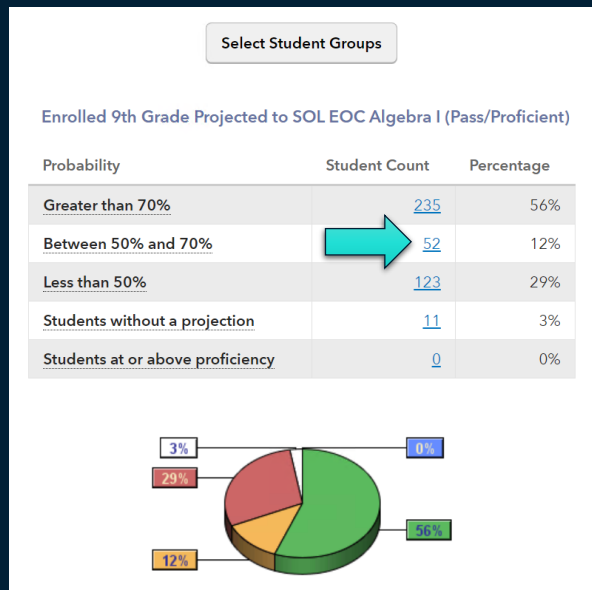
Projection Summary



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Student Reports

Projection Summary



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Student Reports

Projection Summary

Select Student Groups

Enrolled 9th Grade Projected to SOL EOC Algebra I (Pass/Proficient)

	Student	State Testing ID	Enrolled Grade	EL	IEP	Achievement Probability	Projected State Percentile
1.	1093783_Student	1001093783	9	N	Y	51.7	18
2.	1051631_Student	1001051631	9	N	N	55.9	20
3.	897965_Student	1000897965	9	N	N	56.0	20
4.	840734_Student	1000840734	9	N	N	56.3	20
5.	888138_Student	1000888138	9	N	Y	58.7	22
6.	963787_Student	1000963787	9	N	N	59.6	23
7.	903539_Student	1000903539	9	Y	N	64.2	26
8.	766640_Student	1000766640	9	N	Y	64.7	27
9.	1004621_Student	1001004621	9	N	Y	64.7	27
10.	1101280_Student	1001101280	9	N	N	66.8	27
11.	931931_Student	1000931931	9	N	N	68.8	30



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Student Reports

Projection Summary



Select Student Groups

Enrolled 9th Grade Projected to SOL EOC Algebra I (Pass/Proficient)

Probability	Student Count	Percentage
		%
		%
		%
		%

Student Groups

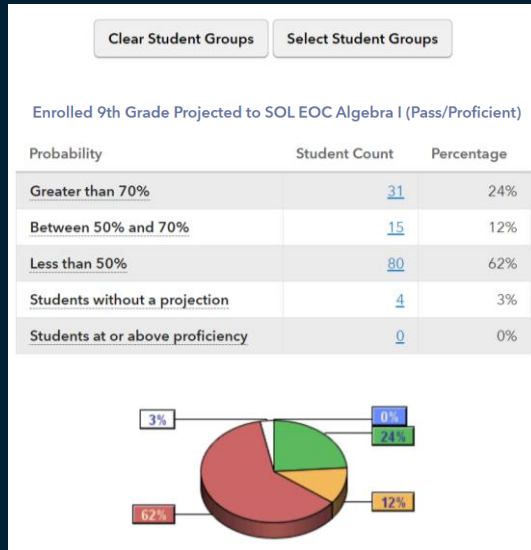
<p>Race</p> <ul style="list-style-type: none"> <input type="checkbox"/> American Indian or Alaska Native <input type="checkbox"/> Asian <input type="checkbox"/> Black, not of Hispanic origin <input type="checkbox"/> Hispanic <input type="checkbox"/> Native Hawaiian or Pacific Islander <input type="checkbox"/> Non-Hispanic, two or more races <input type="checkbox"/> Unknown (Race) <input type="checkbox"/> White, not of Hispanic origin 	<p>Gender</p> <ul style="list-style-type: none"> <input type="checkbox"/> Female <input type="checkbox"/> Male <input type="checkbox"/> Other <input type="checkbox"/> Unknown (Gender) 	<p>Other</p> <ul style="list-style-type: none"> <input type="checkbox"/> English Learner <input type="checkbox"/> Students with Disabilities
--	--	---



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Student Reports

Projection Summary



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Grouping Students

Student Projections



Grouping Students

Which students need targeted learning opportunities?

2

First:

1. **Remove** the materials from the purple folder on your table.
2. **Discuss** the Projection Summary.
3. **Identify** students in the “Less than 50%” category who might benefit from targeted learning opportunities.
4. **Consider** what other data you need to assist with grouping students.

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Grouping Students

Student Projections



Grouping Students

Which students need targeted learning opportunities?

2

Now:

1. **Form** groups of 3 to 4.
2. **Take turns** discussing the questions.
3. **Choose** a spokesperson to share ideas.

What criteria or considerations guided your selection of students for targeted learning?

What additional data should be considered?



Grouping Students

Which students need targeted learning opportunities?

2

Academic

Student Groups

“Bubble” Students

Report: Student List Grade: 7th Grade
 School: Hilltop Middle School (00031246) Projection: 7th-SOL Mathematics (Pass/Proficient)
 Division: High Top Peaks (144)

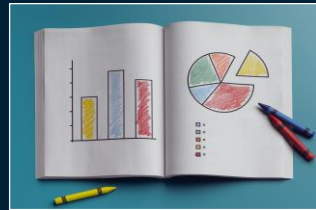
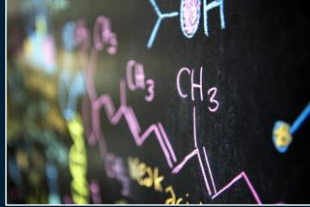
Students with a Probability Less than 50%

Student	State Testing ID	Enrolled Grade	EL	IEP	Probability	Projected State Percentile	
1.	10028320_Student	10010028320	7	N	Y	0.1	8
2.	1666668_Student	10016666668	7	N	Y	0.3	2
3.	1159278_Student	1001159278	7	N	Y	0.8	11
4.	1942205_Student	1001942205	7	Y	N	0.2	11
5.	1942776_Student	1001942776	7	Y	N	3.0	13
6.	2041773_Student	1002041773	7	N	Y	2.2	15
7.	2046687_Student	1002046687	7	N	Y	2.8	16
8.	1306815_Student	1001306815	7	N	Y	6.8	22
9.	1138572_Student	1001138572	7	N	Y	2.1	22
10.	1306929_Student	1001306929	7	N	Y	2.6	22
11.	1036912_Student	1001036912	7	N	Y	10.4	26
12.	1202747_Student	1001202747	7	N	Y	11.7	25
13.	1150128_Student	1001150128	7	N	Y	18.0	26
14.	1201161_Student	1001201161	7	N	Y	14.3	27
15.	1201218_Student	1001201218	7	N	Y	10.0	30
16.	1276130_Student	1001276130	7	N	Y	20.4	30
17.	1692739_Student	1001692739	7	N	N	21.4	30
18.	2038261_Student	1002038261	7	N	N	27.4	33
19.	1306191_Student	1001306191	7	N	Y	31.3	34
20.	1306609_Student	1001306609	7	N	N	33.3	35
21.	1056582_Student	1001056582	7	N	Y	35.5	35
22.	1254981_Student	1001254981	7	N	Y	35.5	36
23.	1947635_Student	1001947635	7	N	N	36.4	36
24.	1329576_Student	1001329576	7	N	Y	39.3	37
25.	1110299_Student	1001110299	7	N	N	42.8	38
26.	1201696_Student	1001201696	7	N	Y	44.2	38
27.	1201724_Student	1001201724	7	N	N	44.2	38
28.	1052849_Student	1001052849	7	N	N	68.4	38



Student Projections

How can projections help educators support students?

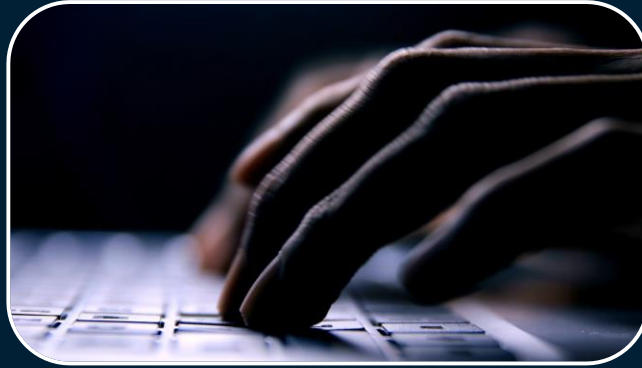


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What are some other ways you've used VVAAS student projections?

Putting Knowledge into Practice



Use this time to explore your own VVAAS data!



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AGENDA

01

FOUNDATIONS

02

CUSTOM STUDENT REPORTS
AND PROJECTION TILES

03

PROJECTION SUMMARIES

04

RESOURCES AND SURVEY



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Resources

Help!

Options for Additional Information

EVAAS Help - Additional Resources

Topic	Resource
Forgotten password	Reset your password
<ul style="list-style-type: none">What should I understand in the report?What assessments were used in the analyses?What are the different user accounts in VVAAS?What can each user account see in VVAAS?How was the data analyzed to generate this report?	Refer to the online Help.
<ul style="list-style-type: none">Who can I contact to learn more about VVAAS reports?I want to talk about the data implications.I have questions for VDOE about VVAAS Student Assessment Summary Report.	Contact VDOE

[Contact VVAAS Technical Support](#) if you cannot log in or have questions specific to your VVAAS data.

Search Account Admin Contact Us Sign Out

Print Export e-Learning ? Help

General Help

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Help!

Options for Additional Information

VVAAS

VIRGINIA

Log In Public Access

Understanding VVAAS

- Growth Desk Reference
- Diagnostic Desk Reference
- Student Report Desk Reference
- Scatterplot Desk Reference
- Virginia Department of Education's VVAAS Resources

Using VVAAS

- What's New
- Divisions Transitioned to SSO
- Keeping User Accounts Updated
- Reporting FAQs
- How to Build a Scatterplot

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Your Feedback Matters



<https://bit.ly/VCACC>

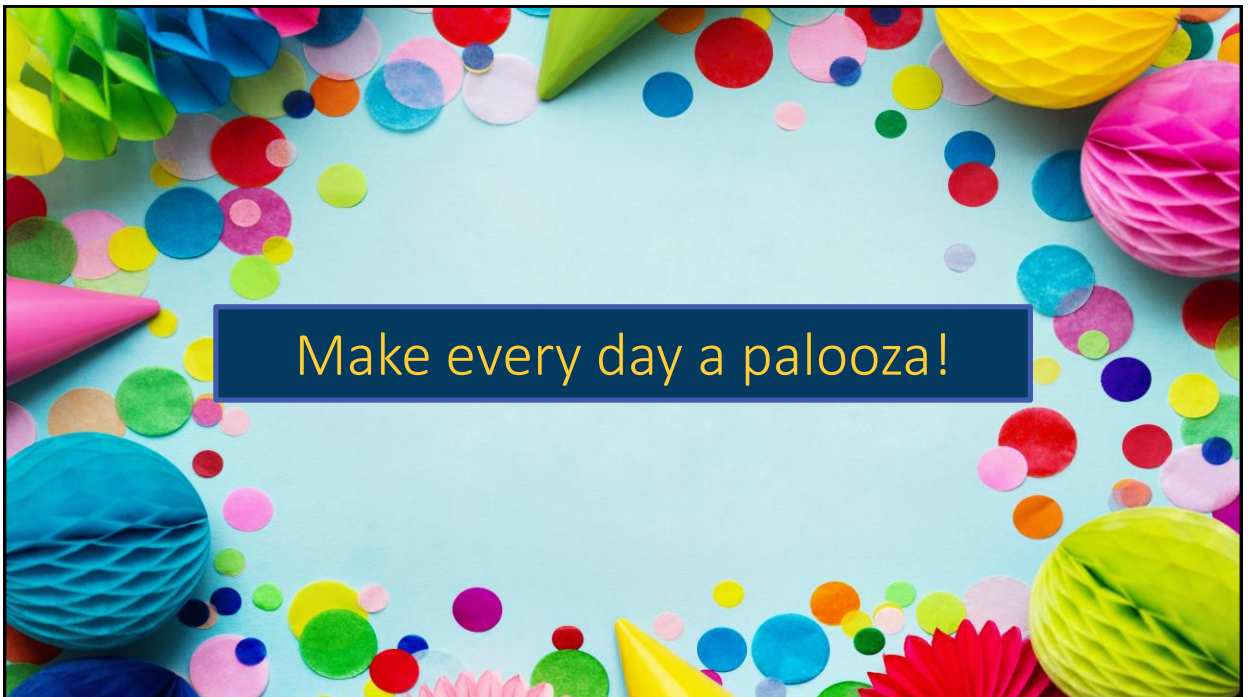


You make a difference!

Thank you for your continued commitment to improving teaching and learning for all.



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Make every day a palooza!