

The AIRWays Reporting System for the RI Next Generation Science Assessment

November 13, 2019



Copyright © 2019 American Institutes for Research. All rights reserved.

Thank you for attending this webinar on the AIRWays Reporting System. During this webinar we will show you how to access NGSA scores at the district, school, and roster level.

RIDE Next Generation Science Assessment (NGSA)

- Policy and Administration
 - Phyllis Lynch, Director Office of Instruction Assessment, and Curriculum
Phyllis.Lynch@ride.ri.gov
 - Kamlyn Keith, Assessment Specialist
Kamlyn.Keith@ride.ri.gov
- Science Content
 - Erin Escher, Science and Technology Specialist
Erin.Escher@ride.ri.gov
 - Kate Schulz, Instructional Improvement and Science Specialist
Kate.Schulz@ride.ri.gov
- Accommodations
 - Heather Heineke, Assessment Specialist
Heather.Heineke@ride.ri.gov

Rhode Island Transition to the Next Generation Science Assessment (NGSA)

2013	2017	2018	2019
<ul style="list-style-type: none">• Adoption of the Next Generation Science Standards	<ul style="list-style-type: none">• Last administration of the NECAP Science assessment	<ul style="list-style-type: none">• Field test of the Next Generation Science Assessment	<ul style="list-style-type: none">• First administration of the Next Generation Science Assessment

Talking About Our Results: Why Assess NGSA?

- The NGSA helps us understand how all our students are performing in Science by assessing their knowledge of our state standards, the Next Generation Science Standards (NGSS).
- When current students graduate from high school, more jobs will require skills in science, technology, engineering, and mathematics (STEM) than in the past.
- The NGSS provide a strong science education that equips students with the ability to think critically, analyze information, and solve complex problems — the skills needed to pursue opportunities within and beyond STEM fields.
- We can successfully prepare students for college, careers and citizenship when we set the right expectations and goals and monitor student progress towards them.

Description of the Next Generation Science Assessment (NGSA) Test Design

- Assess students' understanding of the Next Generation Science Standards in grades 5, 8, and 11.
- NGSA assessments assess life sciences, physical sciences, and earth space sciences.
- Computer-based test that includes item clusters which are similar to performance task and stand-alone items
- All items ask students to use science and engineering practices and apply their understanding of disciplinary core ideas and crosscutting concepts to make sense out of real-world phenomena

Next Generation Science Assessment (NGSA) Performance Levels

- The NGSA uses four performance levels to describe how well students meet the expectations for their grade level
- Meeting Expectations means that students are able to demonstrate grade level expectations while Exceeding Expectations means that students are showing mastery of the grade level expectations

Beginning to Meet Expectations	Approaching Expectations	60 Meeting Expectations	120 Exceeding Expectations
Students who achieve at this level demonstrate initial understanding of knowledge and skills needed to apply three dimensions of science to question, evaluate and explain science phenomena. Student performance based on assessment results begins to meet grade level expectations.	Students who achieve at this level demonstrate minimal understanding of knowledge and skills needed to apply three dimensions of science to question, evaluate and explain science phenomena. Student performance based on assessment results partially meets grade level expectations.	Students who achieve at this level demonstrate satisfactory understanding of knowledge and skills needed to apply three dimensions of science to question, evaluate and explain science phenomena. Student performance based on assessment results meets grade level expectations.	Students who achieve at this level demonstrate advanced understanding of knowledge and skills needed to apply three dimensions of science to question, evaluate and explain science phenomena. Student performance based on assessment results exceeds grade level expectations.

Grades	Level 1	Level 2	Level 3	Level 4
5	1-37	38-59	60-71	72-120
8	1-37	38-59	60-74	75-120
11	1-35	36-59	60-70	71-120

Next Generation Science Assessment (NGSA) Performance Levels

- Science has three domains for which students receive information about their performance: Life Sciences, Physical Sciences, and Earth and Space Sciences.
- This chart shows how close to mastery your student is in each area, according to how he or she performed on this assessment.
- The description provides information about the various grade-specific topics or skills where your child is succeeding and where he or she may need additional support to enhance specific skills needed to master grade-level standards.

How Did Your Student Perform in the Different Areas of Science?	
<p>Life Sciences</p> <p style="font-size: small;">Below Mastery At/Near Mastery Above Mastery</p>	<p>Your student can sometimes model life cycles and movement of matter in ecosystems; use evidence to explain that organisms need structures to live; and interpret data to show that individuals inherit traits, populations have many different traits, and some organisms thrive in specific environments.</p>
<p>Physical Sciences</p> <p style="font-size: small;">Below Mastery At/Near Mastery Above Mastery</p>	<p>Your student can sometimes conduct experiments to explain the structure of matter, signs of chemical change, and how forces affect the motion of objects; use evidence to explain speed and energy transfer; and model particles of matter and light waves.</p>
<p>Earth and Space Sciences</p> <p style="font-size: small;">Below Mastery At/Near Mastery Above Mastery</p>	<p>Your student can sometimes display data to show the results of Earth's movements around the sun; graph where fresh and salt water exist on Earth; model interactions of the geosphere, biosphere, hydrosphere, and atmosphere; and use evidence to analyze solutions to hazards caused by weather.</p>

Next Generation Science Assessment (NGSA) Reporting Timelines and Resources

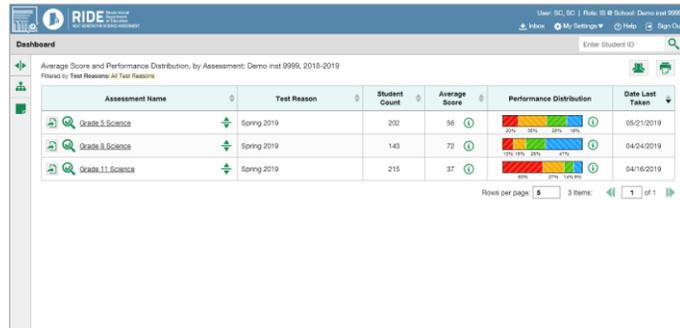
- *EMBARGOED* results for the NGSA were released to district and school administrators via the [confidential Rhode Island Assessment Data Portal](#) (RI-ADP) and new AIRWays Reporting System on **Tuesday, November 12**.
- The *PUBLIC* release of results will be on **Thursday, November 14** through the [public Rhode Island Assessment Data Portal](#), along with supporting materials (e.g., results presentation, individual student report shells, reporting system guidance, family guides) posted at www.ride.ri.gov/Assessment-Results.
- The next webinar in our State Assessment Results Webinar Series for district and school administrators and content area teachers will focus on the NGSA: state-level results, the assessment, and helpful resources. Educators are invited to [register to attend this NGSA webinar on Tuesday, November 26](#) from 10:00 a.m. to 11:00 a.m.
- If you have any questions about the release or webinars, please email assessment@ride.ri.gov.

Purpose of the Improved AIRWays Reporting System

1. Simple, user-friendly, and accurate

2. Scalable—designed to handle lots of data and more features over time

3. Accessible on different devices and by different user types



The AIRWays Reporting System is designed with a user interface that is intuitive, user-friendly, accurate, scalable, accessible, and easily digestible. With the intent to provide the clearest picture with the fewest number of clicks, the system displays state, district, school, teacher, class, and student level data in tabular and graphical format. It is designed to handle lots of data and it will be continuously updated with more features over time. The system is accessible on different devices and by different users at the teacher, school, district, and state level. Users can sort and filter the data in various ways and can create custom groups to generate timely reports for intervention groups or incoming classes. The dashboard is the homepage for all users. A district user dashboard is demonstrated here.

Objectives in Order of Presentation

After viewing this presentation, you will understand how to

- Navigate AIRWays Reporting for the Science Assessment
 - See your results, sort them for analysis, expand them to view disciplines and measures, and quickly compare results at the state, district, and school level.
- Set Up Reports That Make Sense for Your Specific Needs
 - Set preferences and filters.
 - Use demographic sub-groups.
 - The Student Portfolio Report
- Generate Individual Student Reports (ISRs) and Student Data Files
- Print and Export Any Data You Can View in Reports

This webinar focuses on four main objectives: navigating the test results pages to display data with a few clicks, using the settings and filters to customize your reports and eliminate irrelevant data, and printing ISRs and exporting Student Data Files.

Logging in to the AIRWays Reporting System

The screenshot shows the RIDE (Rhode Island Department of Education) Next Generation Science Assessment portal. The header includes navigation links: Home, Get Started, Resources, FAQs, Supported Browsers, and Register for email updates. The main content area features several cards: Test Administration Guidance Resources, Practice Test, TIDE, TA Practice Site, TA Certification Course, Data Entry Interface (DEI), and AIRWays Reporting (highlighted with a red border). A 'Test Administration (TDS)' card is also visible. On the right, there is a 'Welcome, Test Administration Guidance!' section with announcements and key documents.

The sequence of login screens is as follows:
1. **Login Form:** Includes a user icon, email field (demo@email.com), password field (masked with dots), a 'Forgot Your Password?' link, and a 'Secure Login' button.
2. **First Time Login This School Year?:** A message states 'The password you used during the school year has expired.' with a 'Request a new one for this school year' link.
3. **Enter Code:** A green message box says 'A code has been sent to your email address. The code will expire after 15 minutes.' Below is an 'Enter Emailed Code' field, a 'Submit' button, a 'Resend Code' button, and a 'Cancel' link.

To access the AIRWays Reporting System click on the Test Administration Guidance tab of the Portal homepage. Select the AIRWays Reporting card on the page that opens. Log-in as you would to your TIDE account.

Dashboard Layouts

Teacher Dashboard—all test results for all of the teacher’s students in two separate tables.

School & District Dashboard—all test results for all of the students in the school, or all schools in the district, in one table.

Assessment Name	Test Reason	Student Count	Average Score	Performance Distribution	Date Last Taken
Grade 3 Science	Spring 2019	16	43	[Performance Distribution]	05/16/2019
Grade 3 Science	Spring 2019	16	43	[Performance Distribution]	04/26/2019
Grade 3 Science	Spring 2019	22	38	[Performance Distribution]	05/21/2019

Student Name	Student ID	Most Recent Assessment	Date Taken
SALES, JOSHUA L.	999991014	Grade 3 Science	05/16/2019
SALES, JOSHUA B.	999991101	Grade 3 Science	05/16/2019
SALES, JOSHUA L.	999991102	Grade 3 Science	05/16/2019
SALES, JOSHUA B.	999991011	Grade 3 Science	05/16/2019
SALES, JOSHUA L.	999991103	Grade 3 Science	05/16/2019

Assessment Name	Test Reason	Student Count	Average Score	Performance Distribution	Date Last Taken
Grade 3 Science	Spring 2019	202	34	[Performance Distribution]	05/21/2019
Grade 3 Science	Spring 2019	142	72	[Performance Distribution]	04/26/2019
Grade 3 Science	Spring 2019	212	37	[Performance Distribution]	04/16/2019



The AIRWays Reporting System features different dashboard lay-outs. The teacher dashboard displays two stacked tables, one for all assessments on top, and beneath it, a table of all the teacher’s students. School personnel and district users will see one table of all assessments.

Sorting, setting preferences, filtering, and breaking down demographic groups are important functions for all users so that test data applies specifically to their needs. The graphic objects that display on the dashboard page are used to make these choices. It only takes a few clicks to create a highly customized report, no matter the test type or the level of the user.

Dashboard Features: Table Headings

The screenshot shows the RIDE dashboard interface. On the left, there is a 'Filters' sidebar with options for 'Test Group' (Summative, Grade 5, Grade 8, Grade 11) and 'Test Reasons'. The main content area is divided into two sections: 'My Assessments' and 'My Students'. The 'My Assessments' section displays a table with the following columns: Assessment Name, Test Reason, Student Count, Average Score, Performance Distribution, and Date Last Taken. The 'My Students' section displays a table with the following columns: Student Name, Student ID, Most Recent Assessment, and Date. Red boxes highlight the column headings for both tables. Red arrows point to the 'Filters' sidebar, the 'My Assessments' section, and the 'My Students' section.

Assessment Name	Test Reason	Student Count	Average Score	Performance Distribution	Date Last Taken
Grade 5 Science	Spring 2019	18	48	25% 25% 25% 25%	05/08/2019
Grade 5 Science	Spring 2019	18	40	25% 25% 25% 25%	04/02/2019
Grade 11 Science	Spring 2019	22	38	25% 25% 25% 25%	03/21/2019

Student Name	Student ID	Most Recent Assessment	Date
Demo_Student_A	999991014	Summative Science Grade 5	05/21/2019
Demo_Student_B	9999911001	Summative Science Grade 5	05/15/2019
Demo_Student_C	9999911402	Summative Science Grade 5	05/15/2019
Demo_Student_D	9999910111	Summative Science Grade 5	05/15/2019
Demo_Student_E	999991032	Summative Science Grade 5	05/15/2019

Users can see overall test results directly from the dashboard page. Each table is headed by an informative **title**, listing the report type, the school year and any filters chosen by the user. Tests associated with the user will be listed under **Assessment Name**. **Test Reason** lists the season of administration for the NGS. **Student Count** is the number of students who took each test. Notice the sorting **arrows** located to the right of most column headings. Sorting allows the user quick analysis of the test results.

The next two columns, **Average Score** and **Performance Distribution**, reflect two scoring methods used by the various tests. The Average Score column lists a raw or scale numeric score, and the Performance Distribution column shows the student's level of achievement based on mastery of the academic standards assessed by the test. For an explanation of the scores and distribution levels, click the information button in the table. A quick sort of the Average Score column will place the tests with the highest scores at the top of the table, or those with the lowest scores at the top. Test administration dates are reported in the last column as **Date Last Taken**.

This is a teacher dashboard and features a second table labeled **My**

Students. This table contains a list of the teacher's students by **Student Name**, their **Student ID** numbers, the **Most Recent Assessment** taken, and the **Date** taken.

This slide also shows the **Filters** panel, to the left of the tables. It is expanded to show the options available to the user. Filter options will be discussed later in the presentation. It's helpful to note the many graphic objects that, when clicked, will bring up test results and other information.

Dashboard Features: Buttons, Arrows, and Filters

The screenshot displays the RIDE dashboard interface. At the top right, there are navigation links for 'Inbox', 'My Settings', 'Help', and 'Sign Out'. A search bar for 'Enter Student ID' is also present. On the left, a 'Filters' panel is visible, with a red box around it and a large red arrow pointing downwards to an 'Apply' button. The main content area is divided into two sections: 'My Assessments' and 'My Students'. The 'My Assessments' section features a table with columns for 'Assessment Name', 'Test Reason', 'Student Count', 'Average Score', 'Performance Distribution', and 'Date Last Taken'. The 'My Students' section features a table with columns for 'Student Name', 'Student ID', 'Most Recent Assessment', and 'Date'. Red boxes highlight specific elements: the 'Assessment Name' column in the first table, the 'Student Name' column in the second table, and the pagination controls at the bottom of both tables.

Assessment Name	Test Reason	Student Count	Average Score	Performance Distribution	Date Last Taken
Grade 5 Science	Spring 2019	18	49	100% 100% 100%	05/08/2019
Grade 8 Science	Spring 2019	18	40	100% 100% 100%	04/02/2019
Grade 11 Science	Spring 2019	22	38	100% 100% 100%	03/21/2019

Student Name	Student ID	Most Recent Assessment	Date
Demo Student A	9999991014	Summative Science Grade 5	05/21/2019
Demo Student B	9999991001	Summative Science Grade 5	05/15/2019
Demo Student C	9999991402	Summative Science Grade 5	05/15/2019
Demo Student D	9999991011	Summative Science Grade 5	05/15/2019
Demo Student E	9999991032	Summative Science Grade 5	05/15/2019

Test results and other data lie just under the surface of the dashboard page. Buttons, arrows, test names, and student names are all “clickable.” This slide shows the numerous clickable objects on the dashboard homepage. These buttons include, but are not limited to: the **Inbox**, **My Settings**, the **Help** feature, the **Student Search** box, the **Print** button, the **Student Results Generator**, and the **Filters** panel (by **Rosters**, **Test Group**, and **Test Reasons**). These filters and how to apply them will be discussed later in the presentation.

In the **My Assessments** table, included with the name of an assessment are the **Export** button, the **magnifying glass** button, and a set of **expansion arrows** that display state-, district-, and school-level results. This aggregate comparison view is shown on the next slide. Click on the assessment name to bring up the Performance on Test page.

For teachers: In the **My Students** table, teachers can click on a **Student Name** OR the **magnifying glass** next to the name to navigate to the Student Portfolio results page.

Both tables can be set to size preferences. Change the number of **rows per page**, as desired. Use the forward and back **arrows** to move to different pages of the table.

Compare YOUR Results to State, District, or School Level

The screenshot shows the RIDE dashboard interface. At the top, it displays 'User: SC, SC | Role: IS | School: Demo Inst 9999'. The main content area is titled 'Average Score and Performance Distribution, by Assessment: Demo Inst 9999, 2018-2019'. Below this is a table with columns for Assessment Name, Test Reason, Student Count, Average Score, Performance Distribution, and Date Last Taken. The table lists four assessments: Grade 5 Science (School), State Grade 5 Science, District Grade 5 Science, Grade 8 Science, and Grade 11 Science. The Grade 5 Science row is highlighted in yellow. To the right of the table are performance distribution charts for each assessment, showing a color-coded bar representing the percentage of students in each performance level. A legend titled 'Performance Levels' is also visible, defining five levels: Beginning to Meet Expectations (1-38), Approaching Expectations (37-48), Meeting Expectations (48-71), Exceeding Expectations (71-100), and Exceeding Expectations (72-100). Each level includes a brief description of student performance.

Assessment Name	Test Reason	Student Count	Average Score	Performance Distribution	Date Last Taken
Grade 5 Science	Spring 2019	202	56	20% 36% 26% 19%	05/21/2019
State Grade 5 Science	Spring 2019	4,770	42	42% 33% 17% 8%	--
District Grade 5 Science	Spring 2019	1,203	44	31% 48% 19% 4%	--
Grade 8 Science	Spring 2019			13% 19% 25% 47%	
Grade 11 Science	Spring 2019			53% 27% 14% 4%	

Typically, one of the first things a user is looking for is a comparison of their results to school-, district-, and state-level results. Click the **expansion arrows** to the right of the Assessment Name. (You can also click on the assessment name and the comparison rows will show on the test results page.)

This slide shows the school-user dashboard results for a **Grade 5 Science** assessment. The students in the school averaged a score of 56, well above the district average of 44 and the state average of 42. The user can also see a breakdown of the performance distribution in the color coded bar to the right of the score. The percentage of students in each level is listed below each colored pattern in the bar. Info buttons display the legends for the scoring measures.

Navigate the NGS Results Pages



Navigate the NGSAs Results Page

Dashboard > School Performance on Test

Performance by Roster | Performance by Student

Average Score, Performance Distribution and Average Points Earned on **Grade 5 Science** (RI_NGSS_18_19), by Roster and Reporting Category: Demo School 1 2018-2019
Filtered By Test Reason: RI_NGSS_18_19

Roster		Teacher	Total					Earth and Space Science		
State	District	School	Student Count	Test Completion Rate	Scale Score	Performance Distribution	Percent Proficient	Average Scale Score	Performance Distribution	LS1 From Molecules to Organisms
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	★
			25		10	52% 8%	0%	14	84% 8%	✘
			22		9	91% 2%	0%	12	100%	✘
			21		8	91% 2%	0%	11	100%	✘
			1	33% (1/3)	20	100%	0%	33	100%	★
			1	100% (1/1)	20	100%	0%	33	100%	★

Clicking an assessment name (or on the magnifying glass) will bring up the report page. This image shows a school roster report for the Grade 5 ELA Science assessment. The page navigation trail is shown in a gray bar at the very top of every test results page. It reads **Dashboard > School Performance on Test**. District users will see the words “District Performance on Test” and teachers will see the words “My Students Performance on Test.”

There are two tabs below the trail: the **Performance by Roster** and **Performance by Student** tabs. Users can toggle between the two depending on the data they wish to see. The Performance by Roster tab is open on this image, showing the test results organized by roster. Sorting can be used in ascending or descending order for Average Scale Score in each of the reporting categories. This page shows all the rosters in the school, each identified by teacher.

Other areas of interest on the page are as follows:

1. Expanding the + arrows in the column headings shows test results in the test disciplines.

2. The state, district, and school results also display above the rosters for quick comparison to the roster results. A teacher will see an additional row of results for all their students, as well.
3. Click on the name of the of a roster or the **magnifying glass** to see a list of student results. Sorting will be available from the student test results page.

Target Report

Dashboard > School Performance on Test

Performance by Roster | Performance by Study

Average Score, Performance Distribution and Average Points Earned on **Grade 5 Science** (RI_NGSS_18_19), by Roster and Reporting Category, Demo School 1 2018-2019
 Filtered By Test Reason: RI_NGSS_18_19

Roster	Teacher	Total	Earth and Space Science						Life Science	Physical Science
			Performance Expectation		Measurement Columns		Discipline			
State			n/a	n/a	ESS1 Earth's Place in the Universe	ESS2 Earth's Systems	ESS3 Earth and Human Activity	Proficient?	Weak or Strong?	
District		11	100%	100%	✘	—	✘	=	✘	=
School		9	100%	100%	✘	—	✘	=	✘	=
(students not in any rps)		9	100%	100%	✘	—	✘	=	✘	=
11-2 class003	rioffres29_rioffres29	6	100%	100%	★	★	★	★	★	★
Roster_hrs	Demo User, Demo SC	6	100%	100%	★	★	★	★	★	★



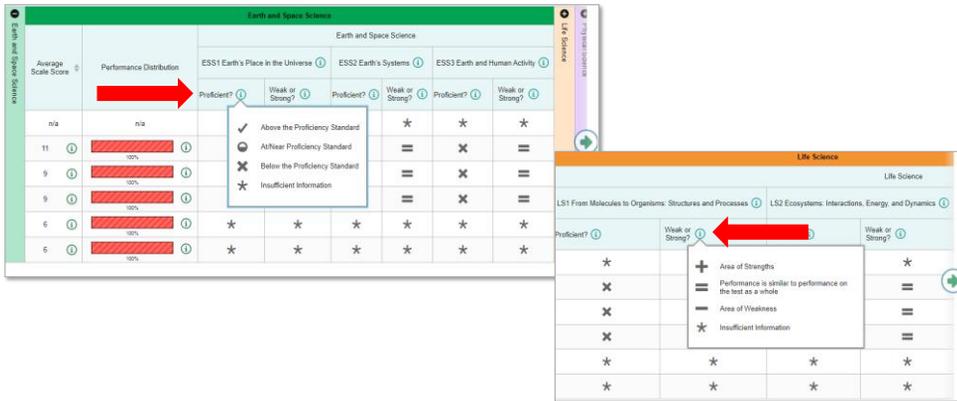
Adaptive Science assessments generate a unique report, notable for its performance expectations and the measurement symbols. This image shows the School Performance on the Grade 5 Science test.

The expandable columns on the test results table contain information organized by **Discipline**. The Science assessment includes Earth and Space Sciences, Life Sciences, and Physical Sciences. Each discipline is broken down into **Performance Expectations**.

Results for each performance expectation are reported using two **Measurement Columns: Weak or Strong?** and **Proficient?**

Each performance expectation is matched with an information button that displays the specific learning target. The legend for the symbols used in the two measurement sub-columns are displayed on the next slide.

Measurement Sub-Columns



The **Proficient?** column displays symbols indicating the level of proficiency the group of students have attained in the discipline.

The **Weak or Strong?** column helps identify strengths and weaknesses in different performance expectations within the discipline so teachers can focus instruction on very specific areas where improvement is needed. This column displays symbols indicating how students' average performance on the expectations compares with their average performance on the overall test. Note that these symbols capture only relative performance and do not indicate proficiency.

Measurement Sub-Columns (cont.)

Dashboard > School Performance on Test Enter Student ID

Performance by Roster | Performance by Student

Average Score, Performance Distribution and Average Points Earned on **Grade 5 Science (RI_NGSS_18_19)**, by Roster and Reporting Category: Demo School 1 2018-2019
 Filtered By Test Reason: RI_NGSS_18_19

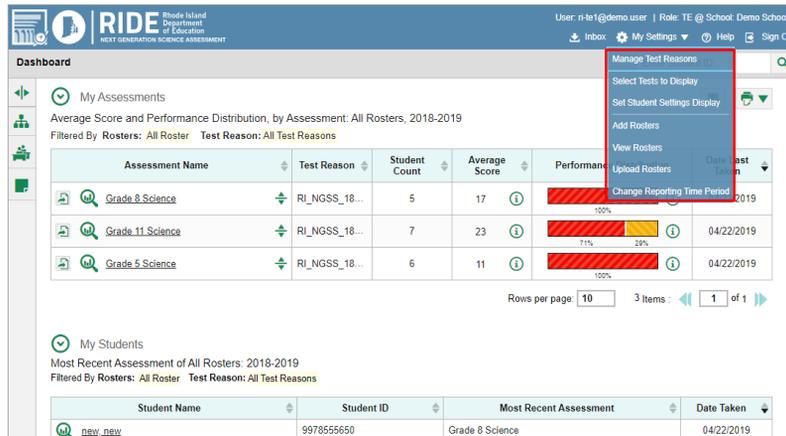
Roster	Teacher	n Activity ask or long?	Average Scale Score	Performance Distribution	Life Science		
					LS1 From Molecules to Organisms: Structures and Processes		
					Proficient?	Weak or Strong?	LS2 Ecosystems: Interactions, Energy
State		*	n/a	n/a	*	*	*
District		=	14		✗	+	✗
School		=	12		✗	+	✗
(students not in any ros ...		=	11		✗	=	✗
11-2_rhes003	riofhes29, riolfhes29	*	33		*	*	*
Roster_hav	Demo User, Demo SC	*	33		*	*	*

The information button to the right of a performance expectation displays specifics related to the expectation.

Set Up Reports That Make Sense For Your Specific Needs



My Settings—Teacher Options



The screenshot shows the RIDE (Rhode Island Department of Education) dashboard. The user is logged in as 'n-ht@demo user' with the role 'TE @ School: Demo School 1'. The dashboard displays 'My Assessments' with a table of assessment results. A red box highlights the 'My Settings' dropdown menu, which is open, showing options: 'Manage Test Reasons', 'Select Tests to Display', 'Set Student Settings Display', 'Add Rosters', 'View Rosters', 'Upload Rosters', and 'Change Reporting Time Period'. The table below shows three rows of assessment data:

Assessment Name	Test Reason	Student Count	Average Score	Performance	Date Taken
Grade 8 Science	RI_NGSS_18...	5	17	100%	04/22/2019
Grade 11 Science	RI_NGSS_18...	7	23	71% 28%	04/22/2019
Grade 5 Science	RI_NGSS_18...	6	11	100%	04/22/2019

Below the table, there is a 'My Students' section with a table showing the most recent assessment for all rosters:

Student Name	Student ID	Most Recent Assessment	Date Taken
new_new	9978555650	Grade 8 Science	04/22/2019

To drill down to the most relevant results and eliminate unnecessary details, teachers and other users should take the time to set their preferences by using the options in the **My Settings** drop-down menu. The options in this list will vary, depending on user role.

Teachers will typically utilize these two main settings: **Select Tests to Display**, and **Change Reporting Time Period**.

The **Select Tests to Display** allows teachers to reduce the amount of data shown in their tables. Once a teacher has selected certain tests to display these choices are reflected when a school, district, or state user elects to mirror the teacher's choices in their data displays. This feature allows all users to bypass test data that does not suit their specific needs.

The **Change Reporting Time Period** allows a user to see results from a previous school year. These two options are explained in the following slides.

Teachers also have options related to their class rosters. They can **Add**, **Upload**, **View** and **Edit** rosters.

My Settings—School & District Options

The screenshot shows the RIDE dashboard interface. At the top right, the user information is 'User: SC, SC | Role: IS @ School: Demo inst 9999'. A red arrow points to the 'My Settings' dropdown menu, which is open and lists several options: 'Manage Test Reasons', 'Select Roster Preferences', 'Set Student Settings Display', 'Add Roster', 'View/Edit Rosters', 'Upload Rosters', 'Change Role', and 'Change Reporting Time Period'. Below the menu is a table with the following data:

Assessment Name	Test Reason	Student Count	Average Score	Performance	Last
Grade 5 Science	Spring 2019	202	56	20% 35%	1/2019
Grade 8 Science	Spring 2019	143	72	13% 16% 28%	4/2019
Grade 11 Science	Spring 2019	215	37	83% 27% 14% 6%	04/16/2019

At the bottom of the table, it says 'Rows per page: 5 3 Items: 1 of 1'.

School and district users can narrow down their data results by utilizing **My Settings** preferences, as well. Popular options include: **Manage Test Reasons**, **Select Roster Preferences**, **Change Reporting Time Period**, **Add Roster**, **View/Edit Rosters**, and **Upload Rosters**.

My Settings—Users Can Downsize Results With Settings

Select Tests to Display Save & Close

Select the assessments you wish to display on the dashboard.

- Science
 - Grade 5
 - Grade 5 Science
 - Grade 8
 - Grade 8 Science
 - Grade 11
 - Grade 11 Science

Teacher Setting

Select Roster Preferences Save & Close

Select which rosters to display for assessments.

All Rosters

Teacher Preferences

State, District and School User Setting

The **Select Tests to Display** setting allows teachers to reduce the amount of data shown in their tables. Once a teacher has selected certain tests to display and excluded others, these choices can be mirrored in school, district, and state user results. The state, district, or school user sets the **Select Roster Preferences** to activate this feature. The default setting for school and district users under Select Roster Preferences is All Rosters. This option displays ALL rosters for ALL teachers and schools, depending on the user role. These two tools allow all users to bypass test data that does not suit their specific needs.

My Settings—Change Reporting Time Period

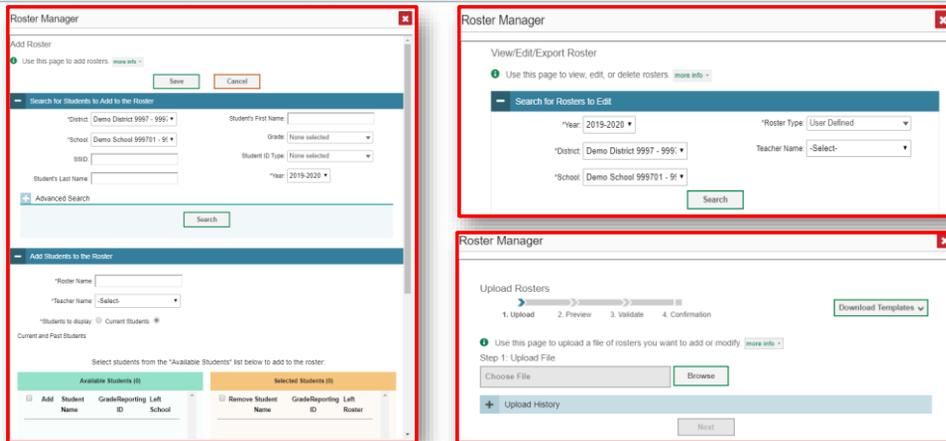
The screenshot shows the AIRWays interface. At the top, the RIDE logo and user information are visible. The main content area is titled 'My Assessments' and shows a table of assessment results. A 'Change Reporting Time Period' dialog box is open, allowing users to select a school year and a date. The 'Change Reporting Time Period' option in the 'My Settings' dropdown menu is highlighted with a red arrow.

Student Name	Student ID	Most Recent Assessment	Date Taken
new_new	9978555650	Grade 8 Science	04/22/2019

All test results currently reported in AIRWays are for the 2018-2019 administration. There is no option to change the school year at this time but there will be during future administrations.

It's helpful to change the calendar date in the second box to a date near the end of the 2018-2019 testing window. Doing this helps ensure that all of your students scores from last year appear in your reports.

My Settings—Roster Management For All Users



Users, depending on their role, can add, view, edit, export, and upload rosters using the **Roster Manager** pop-up windows. This mirrors the roster management functionality in TIDE. District administrators and school test coordinators are able to build groups and assign students to them, allowing them to customize and update classroom rosters. Managing classes using these features is a great way to organize students, allow teachers to view their students' performance, and generate information on incoming classes.

My Settings—Creating Rosters for 2019-2020

Add Roster

Use this page to add rosters. [more info](#)

Save Cancel

Search for Students to Add to the Roster

District: Demo Dist 9999 - 9999

School: Demo School 1 - 9999-99

SSID:

Last Name:

First Name:

Grade Level When Assessed: None selected

Year: 2019-2020

+ Advanced Search

Search

District administrators and school coordinators will want to create a current 2019-2020 roster for any teacher who would like to see their students' test results from last year. For example, a grade 6 teacher with a class of students who took the grade 5 NGSA last year will want quick access to those scores.

Even though the students tested in 2018-2019, you are creating the roster in 2019-2020 because the student-teacher relationship exists now. You will select the district and school for which the students are currently associated.

My Settings—Creating Rosters for 2018-2019

Use this page to add rosters. [more info](#)

Save Cancel

Search for Students to Add to the Roster

District: Demo Dist 9999 - 9999

School: Demo School 2 - 9999-99

SSID:

Last Name:

First Name:

Grade Level When Assessed: None selected

Year: 2018-2019

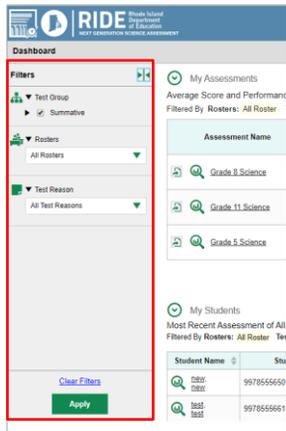
Advanced Search

Search

You will want to create rosters “in the past” if you have a teacher who was associated with students last year and would like to see how they performed on the test. For example, a grade 5 teacher who taught a group of students last year when they took the NGSAs would like to see how they performed.

You are creating the roster in 2018-2019 because that is when the teacher student relationship existed. You will select the district and school the student was associated with at that time.

Filters Panel: Rosters, Test Group, Test Reasons



Filter	Description
Rosters	Teachers use this filter to focus on the performance of a particular class. Data for a single roster is sometimes easier to analyze.
Test Group	Users can filter out tests that are not needed for the report. Set the filter to omit any tests you do not need to see. This is a quick way to locate exactly what is needed.
Test Reasons	Users can filter the Science tests by season of administration.

A second feature helpful in drilling down to specific data is the **Filters** panel on the left margin of the dashboard and test results pages. Clicking on any of the graphic buttons in the panel will expand to show the selection options. The available buttons vary, depending on the User and the Test Performance page.

To expand the selections for each option, click the corresponding graphic button. Check the desired selections and click the **Apply** button. The table shows the filter buttons that appear on the various pages in AIRWays Reporting.

This table provides a quick overview of each of the filter options. These options are discussed throughout the presentation.

One More Setup Button: Demographic Sub-Groups

Dashboard > My Students' Performance on Test

Performance by Roster | Performance by Student

Average Score, Performance Distribution and Average Points Earned
2018-2019
Filtered By Rosters: All Roster Test Reason: RI_NGSS_18_19

Category: Life Science, Earth and Space Science

Breakdown Attributes

Select up to three options

- English Learner
- Gender
- Special Education
- Enrolled Grade
- Race/Ethnicity
- Include unspecified values

Apply Cancel

Roster	Total	Student Count	Test Completion Rate	Performance Distribution	Other Metrics
State	n/a				
District	18	21	72%	28%	0%
School	18	21	72%	28%	0%
My Students	7	23	71%	29%	0%
(Students Not In Any Ro ...)	7	23	71%	29%	0%

There is a setup tool that allows users to break down data by demographic sub-group. Use the **breakdown** button at the upper right corner to compare performance between different demographic sub-groups. This tool is helpful in identifying groups that need more instructional support.

From any test results page for multiple students click the breakdown button. The **Breakdown Attributes** window opens. Select up to three student demographic categories.

Breakdown of Demographic Sub-Groups

Dashboard > My Students' Performance on Test > Breakdown

Enter Student ID

Breakdown of **Grade 11 Science (RI_NGSS_18_19)** by Roster by English Learner, Enrolled Grade and Gender: 2018-2019
 Filtered By Rosters: All Roster Test Reason: RI_NGSS_18_19

Breakdown				Total	Total			
View Details	English Learner	Enrolled Grade	Gender	Student Count	Scale Score	Performance Distribution	Percent Proficient	
	All	All	All	7	23		0%	
	No	Grade 11	Male	1	1		0%	
	Yes	Grade 11	Female	1	38		0%	

Rows per page: 2 Items: of 1

Demographic columns appear on the test results page, one for each category chosen from the attributes menu. The table heading changes to reflect the selections.

To the left of each column is a **View Details** button for that row of information. A row appears for each possible combination of demographic groups in the selected categories. If there are no students in a particular combination, no row appears for that combination.

Some sorting can be done with the category columns, the student count, the test completion rate, and average scale score.

Breakdown of Demographic Sub-Groups (cont.)

The screenshot shows the AIR dashboard interface. The main window displays a table with columns for 'View Details', 'English Learner', 'Enrolled Grade', 'Gender', 'Student Count', 'Scale Score', 'Performance Distribution', and 'Percent Proficient'. A red circle highlights the 'View Details' icon in the first row. A pop-up window titled 'Breakdown of Grade 11 Science' is open, showing a similar table for a filtered group: 'English Learner: No', 'Enrolled Grade: Grade 11', and 'Gender: Male'. The pop-up window includes filter menus for 'Breakdown by English Learner', 'Enrolled Grade', and 'Gender', with an 'Apply' button highlighted in red. The table in the pop-up shows a 'Roster' with one student, a 'Scale Score' of 1, and a 'Percent Proficient' of 0%.

Test results for each demographic sub-group can be seen by clicking the **View Details** button to the left of each row. A window will open, displaying detailed results for that combination. This report table is now laid out the same way as the original report. At the top of the pop-up report table are **filter menus** for each demographic category chosen by the user. Combinations may be changed by using the filter **arrows** and clicking **Apply**. The new combination will be displayed.

Users can get an in-depth look at specific groups of students and their performance on specific tests. It's helpful to sort by Test Completion Rate or by Average Scale Score.

Ways to Use the Student Portfolio Report

1. Compare a student's results with state-, district-, school-, and teacher-level data
2. Sort results to see best scores and the most recent test scores
3. Generate and print an ISR or a Student Data File

Assessment Name	Test Reason	Student Count	Score	Performance	Date Taken
Grade 8 Science	RI_NGSS_18_19	1	1	Beginning to Meet Expectations	04/22/2019
State: Grade 8 Science	RI_NGSS_18_19	n/a	n/a	n/a	—
District: Grade 8 Science	RI_NGSS_18_19	18	21	100%	—
School: Grade 8 Science	RI_NGSS_18_19	16	20	100%	—
By Students: Grade 8 Science	RI_NGSS_18_19	5	17	100%	—

For the times when a user needs to focus on an individual student and their test performance, the AIRWays Reporting System features the Student Portfolio Report. The report is designed so that users can quickly:

1. Compare a student's results with state-, district-, school-, and teacher-level data
3. Sort results to see best scores and the most recent test scores
4. Generate and print an ISR or a Student Data File

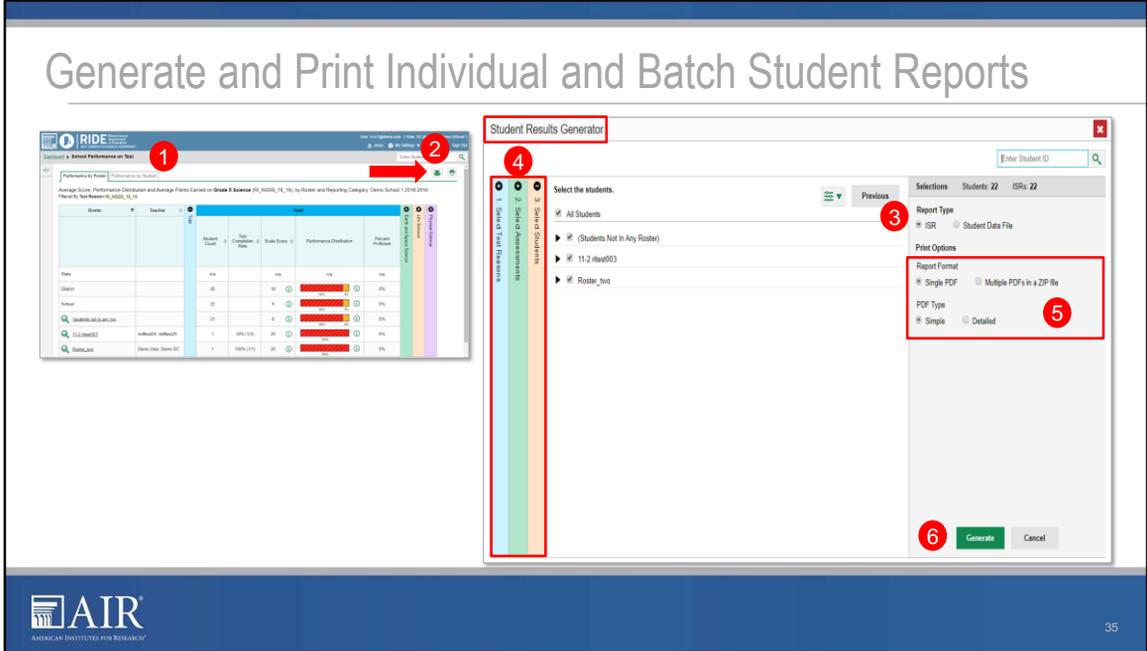
Teachers have a "fast pass" to the Student Portfolio Report. From their dashboard they can click on the magnifying glass or the student name in the "My Student's table and the student portfolio report will immediately display.

Other users access the report from any page of test results by copying a student identification number into the student search box, located in the gray navigation trail at the top of the page, and clicking the search button.

Individual Student Reports (ISRs) and Student Data Files



Generate and Print Individual and Batch Student Reports



An Individual Student Report (ISR) shows a student’s overall performance on a test plus a breakdown of performance by topic. A user can select any combination of test reasons, assessments, and students in order to generate and export multiple ISRs at once.

The ISR Generator can be used to print large numbers of ISRs to be shared with students and their parents. It can be accessed from any page of test results.

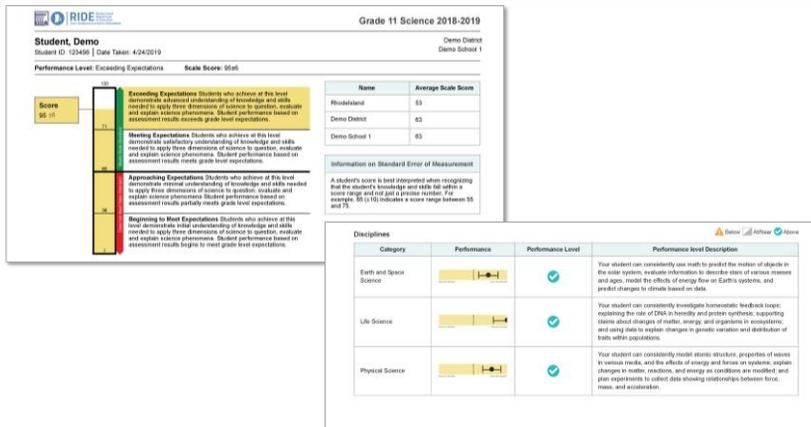
The steps to generate an ISR are listed here:

1. Navigate to the dashboard, the Student Portfolio page, or any set of test results.
2. Click the Student Results Generator button in the upper-right corner of the page. The **Student Results Generator** window opens. The image on the right shows the Student Results Generator pop-up window from a School Performance on a Test page, listing several demo rosters, with student lists as a drop-down option.
3. Click the **Report Type**, ISR.

4. Starting at the left margin, click the section bars to expand the colored sections. Within each section, you must make certain selections: **Select Test Reasons**, **Select Assessments**, and **Select Students**. The image shows the Select Students tab expanded. A list of teacher rosters has been selected by a school administrator. District users will see a list of schools instead of classes.
5. Choose the **Report Format** and the PDF type. In December 2019, users may also choose a print language for the ISR. Available languages will vary according to state specifics.
6. Click the **Generate** button, and the new ISR(s) will be stored in the **Inbox**, available for downloading and printing.

A sample ISR is shown on the next slide.

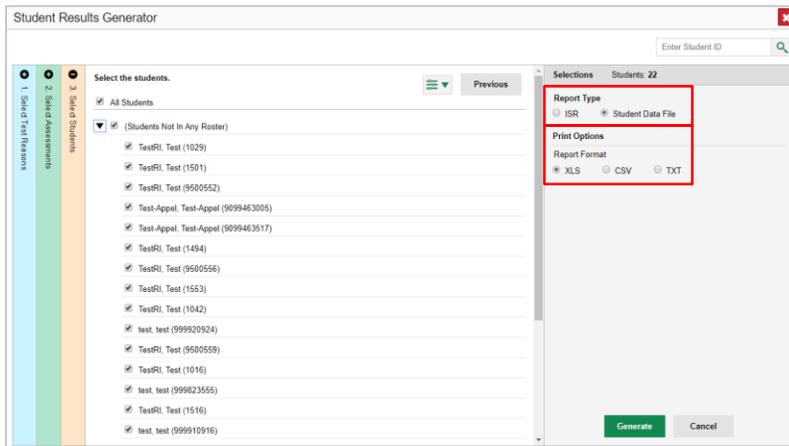
Sample ISR—NGSS Grade 5 Science



This is a sample ISR for the NGSS Grade 11 Science test, given in 2018-2019. The **Score** table and the state-, district-, and school-level aggregates are displayed in the top section of the simple report.

In the bottom section is a table of **Disciplines** that reflect the student's performance in each area of the test. The topics for this test are Earth and Space Science, Life Science, and Physical Science.

The Student Data File



Teachers and other test users can choose to generate and print the **Student Data File**. This file includes the SAME information that the ISR details, but the report format is either a Microsoft Excel workbook file, a CSV file, or a text file. Printing reports in these formats will allow the user to use the features of Excel and word processing software to organize the data with a high degree of utility.

The setup instructions for a Student Data File are the same as for an ISR, except for the selections on the **Report Type** and **Print Options** panel on the right side of the Student Results Generator page.

This image shows the pop-up window that displays from a School Performance on Test results page. Rosters are identified by teacher name and the students display below, when each roster is dropped down.

Print and Export Any Data You Can View in Your Reports



Print or Export Data You Can View

The screenshot shows the AIRWAYS Reporting dashboard. At the top, it displays the RIDE logo and user information: "User: SC, SC | Role: IS @ School: Demo inst 9999". There are navigation links for "Inbox", "My Settings", "Help", and "Sign Out". The main content area is titled "Dashboard" and shows "Average Score and Performance Distribution, by Assessment: Demo inst 9999, 2018-2019". Below this, there is a search bar for "Enter Student ID" and a "Print" button (a printer icon) highlighted with a red box. The main data is presented in a table with columns: "Assessment Name", "Test Reason", "Student Count", "Average Score", "Performance Distribution", and "Date Last Taken". Three rows of data are shown for Grade 5, 8, and 11 Science, all for Spring 2019. Each row has an "Export" button (a document icon) highlighted with a red box. The "Performance Distribution" column contains horizontal bar charts with color-coded segments representing different score ranges. At the bottom of the table, there is a pagination control showing "Rows per page: 5" and "3 Items: 1 of 1".

Assessment Name	Test Reason	Student Count	Average Score	Performance Distribution	Date Last Taken
Grade 5 Science	Spring 2019	202	56	25% 35% 25% 15%	05/21/2019
Grade 8 Science	Spring 2019	143	72	13% 16% 26% 45%	04/24/2019
Grade 11 Science	Spring 2019	215	37	63% 27% 14% 8%	04/16/2019

Users can print or export any data from AIRWAYS Reporting. Use the **print** button (upper-right corner) to create a quick hard copy of any report or results displayed on the results page. The **export** button (to the left of each assessment on the dashboard) generates a detailed report of any specific test. Users may choose from a PDF file (a picture) or a CSV file (an Excel spreadsheet). The file will generate in the user's Inbox and can be downloaded from there for up to 31 days.

Different options are available depending on the report being viewed.

Choices Available From the Print Button

The screenshot shows a web interface for a student portfolio report. On the left, a print options menu is open, highlighted with a red border. A red arrow points to the 'Print' option. The menu contains the following text:

- Print**
*Printed images may vary from preview. Please check your browser's print settings and ensure background image printing is enabled.
- Save to PDF**
*The data in this report will be exported to a comma separated value document.
- Save to CSV**
*The data in this report will be exported to a comma separated value document.

At the bottom of the menu are 'Confirm' and 'Cancel' buttons. The background shows a report titled 'Score, Performance and Points Earned on Grade 5 Science (R_0505_1L_10 of Core Subject 1 by Student and Reporting Category: 2018-2019' for 'School: North Haven (0_0005_1L_10'. The report consists of several tables, each with columns for Student, Student ID, and Score. The tables are labeled Page 1, Page 2, Page 3, and Page 4.

This slide shows the print choices for a student portfolio report for the **Grade 5 Science** test. The table shows the discipline and total results for the 22 students on the roster. Users can choose a simple print or can save the report as a PDF or a CSV file. Clicking **Confirm** will bring up the printing page, or if PDF or CSV is chosen, the user's Inbox will open.

Use the Inbox

Secure Inbox

Inbox

Archived

Show 10 entries

	Name	Creation Date	Expire Date	Days Available	Actions
<input type="checkbox"/>	Performance for 11-2 r1test003 on Grade 5 Science, RI_NGSS_18_19.pdf	11/06/2019 01:30 PM	12/06/2019 01:30 PM	29 days	
<input type="checkbox"/>	Performance for students not in any roster on Grade 8 Science, RI_NGSS_18_19.pdf	11/06/2019 01:30 PM	12/06/2019 01:30 PM	29 days	
<input type="checkbox"/>	Performance for 11-2 r1test003 on Grade 5 Science, RI_NGSS_18_19.csv	11/06/2019 01:28 PM	12/06/2019 01:28 PM	29 days	
<input type="checkbox"/>	Demo School 1_Student1SRs.zip	11/06/2019 12:56 PM	12/06/2019 12:56 PM	29 days	

Showing 1 to 4 of 4 entries

First Previous 1 Next Last

Typically, the **Inbox** will open automatically after making report selections based on the choices available. Click on the name of the report to open it to a browser tab. Print as usual.

All ordered reports appear in a user's Inbox. The Inbox button is found in the banner. The Inbox stores any PDF or CSV versions of reports, any file exports created in TIDE as well as secure files uploaded by administrative users. These files automatically expire after a designated period unless archived.

The **Archived** button displays files that have been archived.

To filter the files by keyword, enter a search term in the text box above the list of files. The table allows users to download, archive, and delete downloaded files. To download a file, click the file name in the **Name** column. To archive a file, click the file box icon in the **Actions** column. To delete a file, click the trashcan icon in the **Actions** column.

The **Days Available** column displays how many days the report will be

available for download before expiration.

Choices Available From the Export Button

The image shows two overlapping dialog boxes. The top dialog box is titled "Export Report for" and contains the following options:

- 1. Choose Type of Report
 - Overall Performance of all my Schools
 - Overall Test, Reporting Category Performance of all students Demo School 1 ▼
- 2. Select Export File Type
 - PDF CSV

Below these options is a green button labeled "Export Assessment Data". A red arrow points from this button to a second dialog box on the right. This second dialog box is titled "Are you sure you want to export this report?" and contains a list of items:

- Grade 5 Science
- Overall Test, Reporting Category Performance of all students
- pdf

At the bottom of this dialog box are two buttons: "Yes" (highlighted with a red box) and "No".

This slide shows the export choices for a district user who has clicked the **Export Assessment Data** button for the Grade 5 Science test. The user must choose a type of report for all the schools in the district or specify a specific school from the drop-down menu. Files can be exported as PDF or CSV. Clicking the green button, Export Assessment Data, brings up a **Confirmation Page** that shows the name of the assessment, the type of report chosen, and the type of file chosen. Click **Yes**. The user's Inbox will immediately open and display the report at the top of the inbox.

How Can I Get More Information?

You can contact the Help Desk for assistance with any technical issues you encounter.

When contacting the Help Desk, please be ready to provide:

- Any error messages that are appearing (including codes)
- Your operating system and browser information
- Your network configuration information
- Your contact information for follow-up by phone or email
- Any other relevant information, such as test names or content areas, student IDs, session IDs, and search criteria

For test administration or policy issues, please contact your District Test Coordinator.

- You can find more announcements on your state's assessment portal.

We hope this webinar has given you a solid, basic understanding of the enhanced features of the AIRWays Reporting System. Watch for future announcements on your state's assessment portal page.

Thank You!

Rhode Island Next Generation Science Assessment Portal

<http://ri.portal.airast.org>

Rhode Island Next Generation Science Assessment Help Desk

rihelpdesk@air.org

1.866.757.9437



For detailed information please go to the RINGSA Portal or contact your Help Desk. Thank you for participating in this webinar.