

DECISION ANALYTICS & INFORMATION MANAGEMENT



STUDENT GRADES IN POWER BI

Looking to drive instructional decisions based on your school's grades data? Want to become a pro at using your Power BI dashboards? Then you have come to the right place!

This guide aims to walk Shelby County school administrative teams through the grades data available in Power BI and even gives some tips and tricks on how to be a Power BI power user.

Logging into Power BI is as easy as logging into your SCS email account. Just look for the waffle in your Office 365 account and select Power BI from your Apps Menu and start exploring the data you have available. If you need more help getting to Power BI, click [this link](#) for an extensive walkthrough.

If you have more question or need support, contact our helpdesk at DAIM@scsk12.org. Our teams prides itself on responsiveness and customer service!

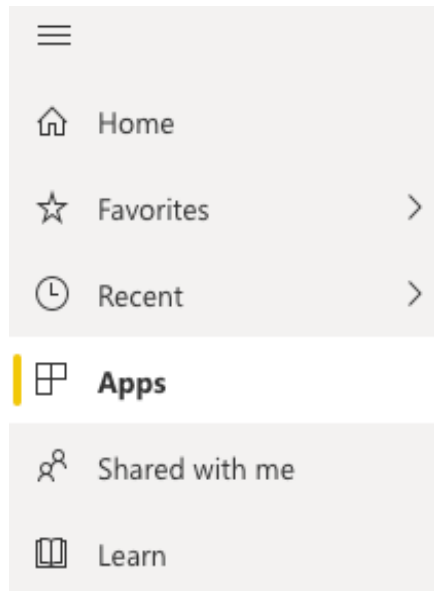
WWW.SCSK12.ORG/DAIM/STEPSHEETS

Pathways to Grades in Power BI

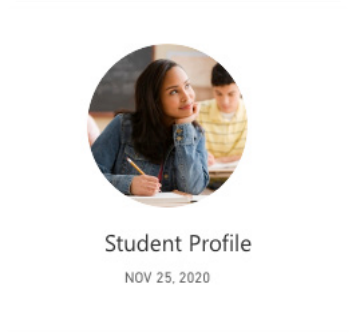
LOOKING FOR GRADES BY STUDENT?

School administrative teams have access to the Student Profile.

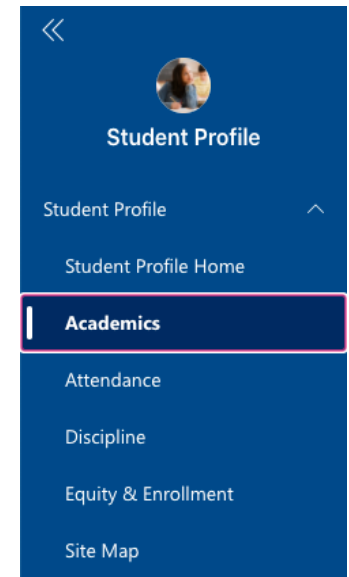
LOG INTO POWER BI &
SELECT APPS



CLICK STUDENT
PROFILE



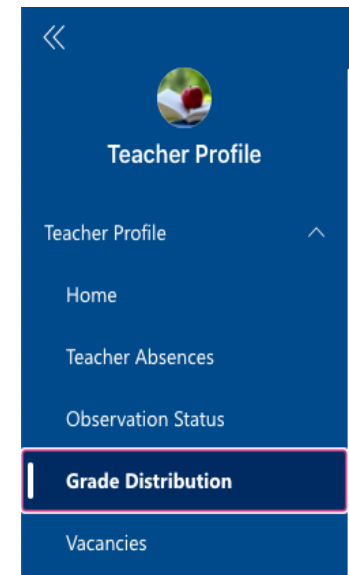
CLICK
ACADEMICS



CLICK TEACHER
PROFILE



CLICK GRADE
DISTRIBUTION

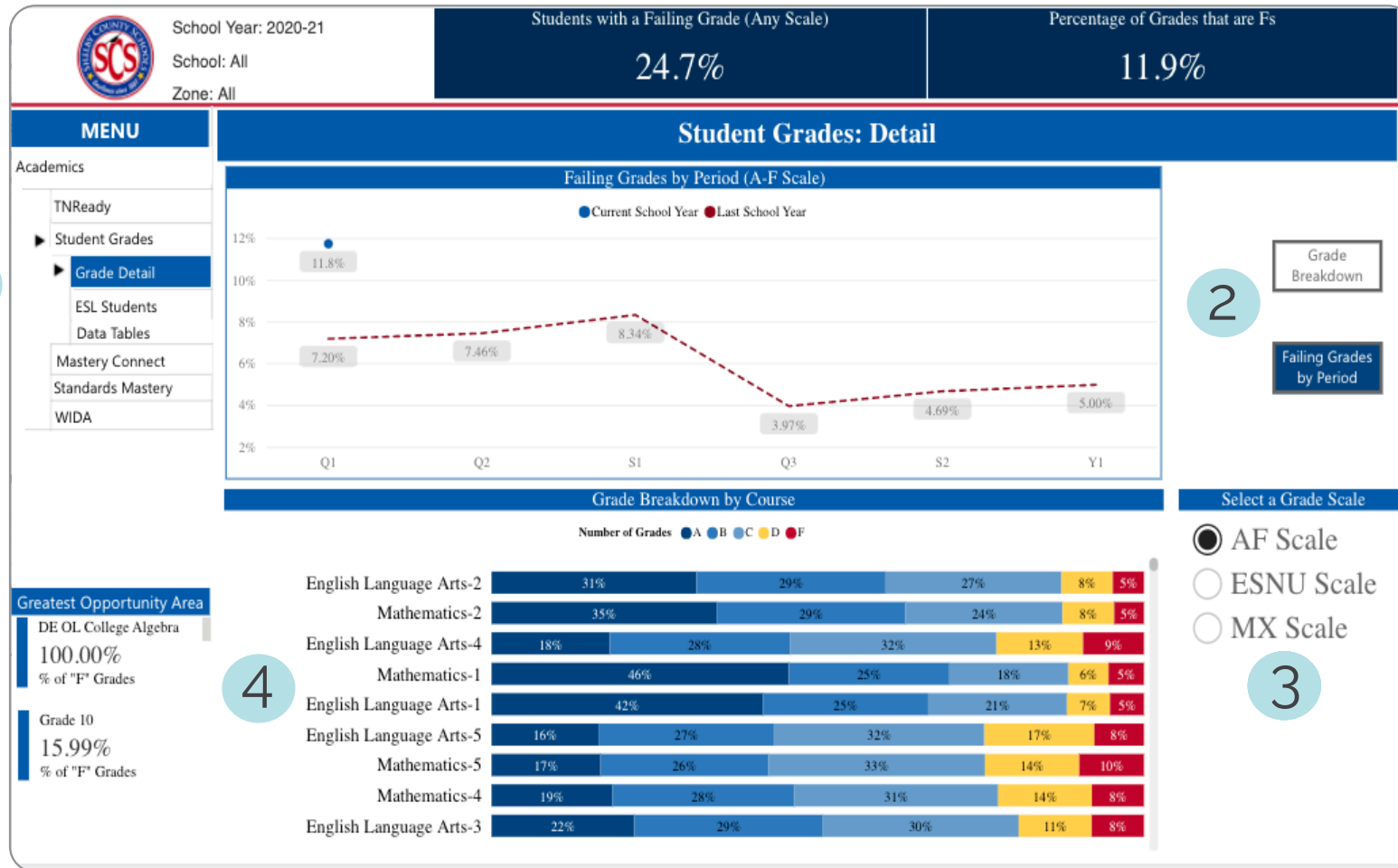


LOOKING FOR GRADES BY TEACHER?

Principals & Assistant Principals have access to the Teacher Profile.

Student Profile: Grade Details

On this page, you can: compare failing grades by period and year, see the distribution of grades by grade level, and interact with grades by course.



TIP:
A-F - Courses that use the traditional letter grade scale.
ESNU - Excellent, Satisfactory, Needs Improvement, Unsatisfactory

MX - Kindergarten skills are either mastered (M) or not yet mastered (X)

1 SELECT GRADE DETAIL
 Select this page from the Academics menu.

2 CHOOSE CHART TYPE
 Toggle between Grade breakdown and Failing grades by Period

3 GRADE SCALE
 Select the grade scale: A-F, ESNU, and MX (KK skills).

4 INTERACTIVE CHART
 Select an option on this chart to filter the Grade Breakdown chart above.

Student Profile: Data Tables

On this page, you can: see student-level grades data, filter by grade (A-F), term, and course, and toggle between other quick reports.

The screenshot shows the 'Student Grades: Data Tables' interface. At the top, there are filters for 'School Year: 2020-21', 'School: All', and 'Zone: All'. Below these are three dropdown menus for 'Select a Grade' (set to 'F'), 'Select a Term' (set to 'Q1'), and 'Select a Course' (set to 'All'). A 'MENU' on the left lists options like 'Academics', 'TNReady', 'Student Grades', 'Grade Detail', 'ESL Students', 'Data Tables', 'Mastery Connect', 'Standards Mastery', and 'WIDA'. Below the menu are buttons for 'Full Data Table', 'Grade Explorer', 'Failure by Course', and 'Failure by Grade'. The main area is titled 'Student Grades: Data Tables' and 'Grades Explorer', containing a table with columns: PSID, Last Name, First Name, Grade Level, School Year, Course Name, Subject Area, Course Type, and Grade. A 'TIP' icon is on the right side of the table area.

 **TIP:**
Exporting the table - by selecting the table and clicking the ellipses that appear you can export the data into a spreadsheet.

Check out the **Power BI Tips and Tricks** page for more details.

1 SELECT DATA TABLE

Select this page from the Student Grades menu.

2 CHOOSE TABLE TYPE

These buttons toggle between various filter grades reports.

3 SELECT FILTERS

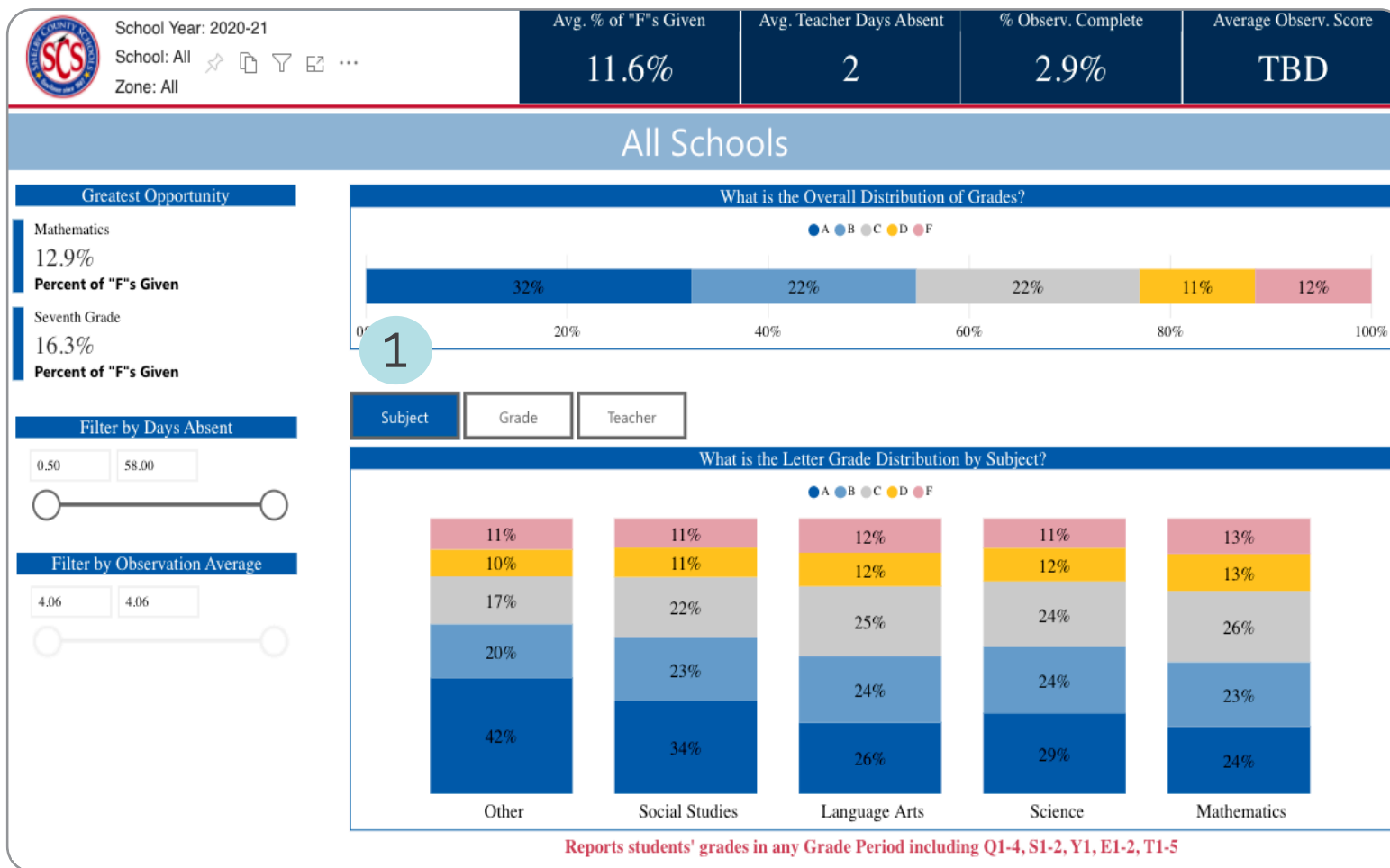
Select the grade(s), term(s), and course(s) for the table.

4 DATA TABLE

Explore the data table to see the student list by grade and course.

Teacher Profile: Grade Details

On this page, you can: see distribution of grades by teacher and see explore possible relationships between teacher grading patterns and teacher absenteeism and observation scores.



TIP:
Access - Only Principals and Assistant Principals can access the Teacher Profile as it has teacher observation scores and absences data.

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1 SELECT SUBJECT, GRADE OR TEACHER

Select the course subject, grade level, or teacher button to change the chart.

2 TEACHER ABSENTEEISM FILTER

Use this slider to filter the page by the number of absences by teacher.

3 AVERAGE OBSERVATION SCORE FILTER

Use this slider to see grades distributions by observation score averages.

Using your dashboards to drive actions

TALKING ABOUT THE DATA

Use your dashboards in data team meetings in real time! No need to create your own spreadsheets (unless you like that kind of thing). Check out some of the sample discussion questions below that can drive your grades data investigations with your team.

- What courses and grade levels are we seeing the highest failure rates in?
- Do our classroom observations reflect what we see in the grades data? Our assessments?
- What special populations in our student body needs additional support (use the filter panel in Power BI to really dig into different student groups)?
- What best practices are we seeing in classroom that we can replicate?
- What SMART goals should we make for grades improvement? Who will take the lead on monitoring the Power BI data and reporting out regularly to the team?

SHARING WITH YOUR TEACHERS

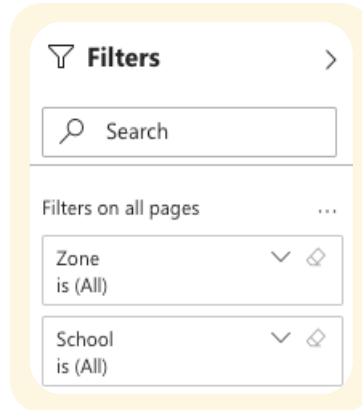
Having data-driven discussions with teachers is a powerful tool in your leadership toolbox. Pulling up the Power BI dashboards with your teachers can shine a light on the hard work they have been doing as well as find areas for collaborative support. Ask questions and remember that grades are really only one piece of the puzzle in student achievement. Since your teachers rely on you to share the data with them, make it a part of your routine to set goals and drive successes through data discussions! Below are some examples of grades discussions you can have with your teachers.

- What TN Standards are you seeing students in your classroom struggling with the most? Do you see this reflected in your grades data? Interim assessments?
- How are you differentiating support for students that are struggling? How are you using data to monitor strategy effectiveness?
- What support do you need from the leadership team or your fellow teachers?

Power BI Tips & Tricks

KNOW YOUR FILTERS

All your dashboards have a filter pane with options to change the school year, grade level, student demographics, and other data-specific selections. Open the filter pane on the right side of the page and start exploring your options!

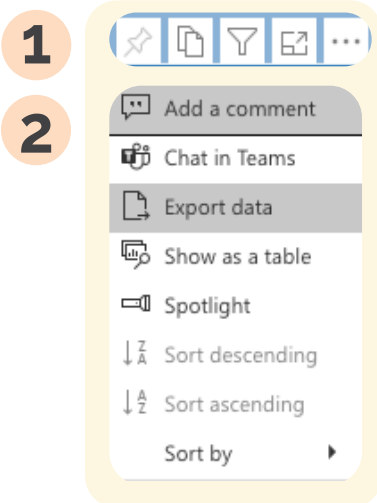


RESET TO DEFAULT



Not sure if you have filters selected on a page? Does your data look a little off? The Reset to Default option will clear out any filters you might have selected. Find it in the top banner of any dashboard. The option is grayed out if no filters are selected.

EXPORTING DATA



Need to export a table to a spreadsheet? Click the visual or table that you want to export and on the right side a small menu will appear. Select the ellipses on the right and then select Export data. Keep the default settings and select Export.

INTERACTIVE CHARTS & TABLES

Most of the charts and tables in Power BI are interactive with the rest of the visuals on the page. If you click a chart, the table on the page will filter to just that data and vice versa. This is particularly helpful if you are interested in looking for possible relationships between variables or if you want to quickly filter a table.

