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CONTEXT:

To demonstrate my understanding of how districts use assessment data to improve student achievement I have created the “Student Data Profile” that provides district level assessment data by student.

LEARNING OUTCOME:

This artifact addresses the following Learning Outcome from the *Accountability and Assessment* class.

AsA-05. Demonstrate a working knowledge of how districts utilize assessment data to improve achievement for all students.

REFLECTION:

The “Student Data Profile” is a custom report created using TIBCO JasperSoft Studio and uploaded to Illuminate to provide real-time data reporting for teachers and specialists on student achievement data. The content of the *Assessment and Accountability* class was a stark reminder of the importance of using student achievement data to inform and direct instruction and made me realize that this critical piece of the puzzle was missing from the teaching cycle in classrooms in my district. Prior to the creation of this report, the only data reported to staff was a comprehensive spreadsheet that listed columns of CELDT and CAASPP data for English Learner students and was provided to the English Learning Specialists across the district. This report is meant to provide a starting point for presenting the same data visually and in real-time. Currently, the report shows demographic data (name, student ID, grade, and school site) and 2016 scores for CELDT and CAASPP and is designed to be one student per page. As my proficiency with using JasperSoft and Illuminate data, I would like to include much more historical and demographic data to this report so it becomes a resource better aligned to the Local Control Accountability Plan (LCAP), the EL Master plan, and the district technology initiative of 1:1. Additional data that I would like to include is designation of identified under served populations that we receiving Local Control Funding Formula (LCFF) supplemental funds (example: foster youth), Interim Benchmark Assessment data and curriculum adoption summative assessment data for progress monitoring, and designation of a student in one of our Innovative Educator classrooms which would indicate at least a basic proficiency with using Chromebooks and Google Suite.

The “Student Data Profile” demonstrates my mastery of understanding how my district can use data to improve student achievement for all students through the type of data I’ve identified to include in the report and the means in which I’ve chosen to share the report with district staff. The data includes state level data that indicates where a student is comparatively to others in his/her grade level across the state. This is an annual data point and although it provides a larger picture of how a student is performing, it does not tell the entire story of achievement for that student. Local data points are necessary to dive deeper into how a student is performing in real time so that instruction can be adjusted to best meet student academic needs. The report will reside in Illuminate and will pull together both local, district, and state level assessment data to provide a more complete snapshot of a student’s academic performance. Adding in the elements of LCAP, LCFF, and technology initiatives builds awareness of which students may need more intensive support and who might be of additional assistance in the classroom. Encompassing multiple data points and providing demographic data that identifies our under served or targeted populations demonstrates my working knowledge of how data can be used to better serve our students. Using Illuminate as the data reporting system makes accessing the Student Data Profile easily accessible to all staff.

I increased my proficiency with Illuminate and Jaspersoft by creating the Student Data Profile. I am not completely proficient in either, but I understand how each works independently and together. There is so much potential for using Illuminate to report data of all types and as a CTO, my responsibility is to make sure that data is imported into Illuminate - not just student achievement data, but data that tells a student’s demographic or family story, behavioral history, and attendance. These data points are important to understanding achievement data. Using Jaspersoft to create a report was a first for me, so my learning in using this software was exponential from where I began. I see the potential of creating more reports that can provide the real-time data for our teachers. I also recognize Jaspersoft requires a more sophisticated technology skill set and proficiency that most staff members in the district do not possess. I will need to work with other departments and sites to identify specific reporting needs so that I can develop the custom reports.

As a CTO that manages the data systems (specifically Aeries and Illuminate), I must be the champion of making sure that the data goes into the system and is reported out of the systems to support the instructional needs of the students. Currently, this is a void in our district and because I have an understanding of the larger picture of how the systems work and the technology tools and skills to make the systems work to meet our needs, I must be the one who communicates this information and leads the charge of making sure the teachers and administrators have the data they need to improve student achievement.