



SD-STARS

South Dakota Student Teacher Accountability Reporting System

**Systems Change Conference
Marcus Bevier and Sara Kock
Friday, October 12, 2012**



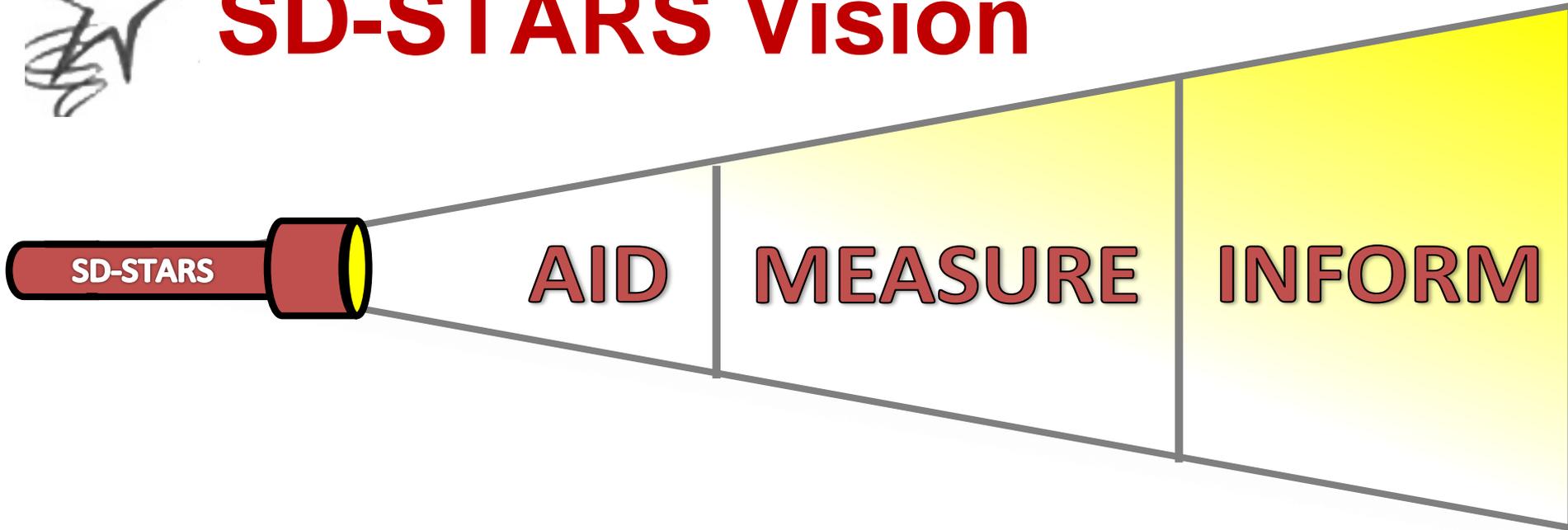
SD-STARS is a SLDS

- What is a Statewide Longitudinal Data System (SLDS)?
 - Collects and maintains student- and staff-level data
 - Links data across entities and over time
 - Makes data accessible through reporting and analysis tools
- What are the components?
 1. Data Warehouse – Central storage
 2. Portal – Application to access data
 3. Reports – Tools to look at and analyze key data
 4. Training – Opportunities to learn how to use it to inform decisions
- Why is this important?
 - SLDS can transform the way one teaches or manages





SD-STARS Vision



SD-STARS

AID

MEASURE

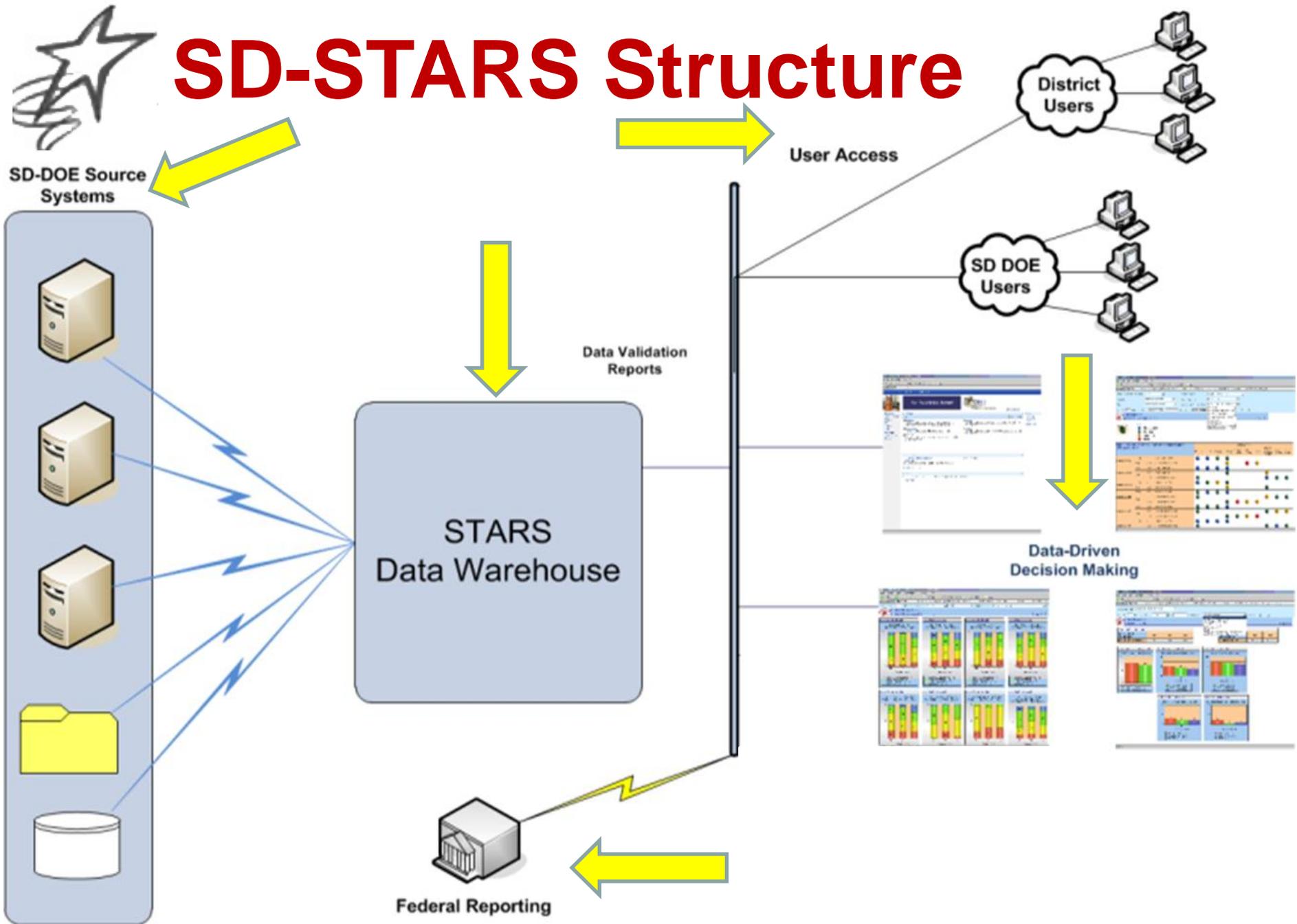
INFORM

Educators will have the ability to access and use high quality data to **aid** in informing instruction and decision-making.

Students' outcomes will be **measured** so educators can identify at-risk students, examine achievement gaps, evaluate programs, recognize strengths, and address areas for improvement.

Stakeholders will develop a more holistic view of our education system and use that picture to **inform** systemic change.

SD-STARS Structure





SD-STARS Overview



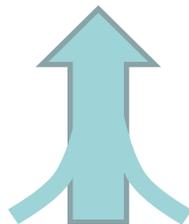
Enable data-driven decision making



Offers reports and dashboards to gauge performance



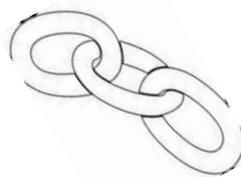
Provide administrators and teachers actionable information



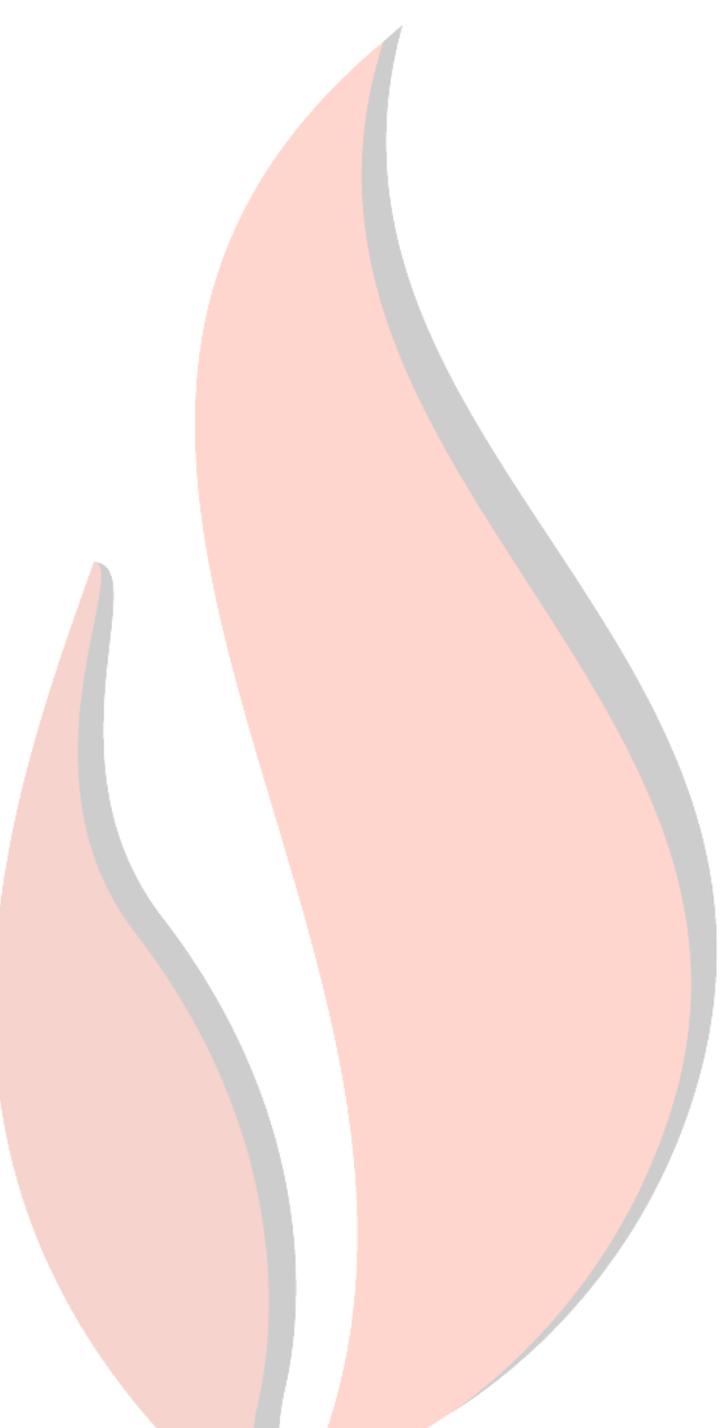
Consolidate data from across domains



Act as the “official source” for all state reporting



Connect to postsecondary data for P-20 Analysis



Component 1: Data Warehouse and Data Driven Decision-Making



SD-STARs Data Warehouse

- SD-STARs is designed to meet users' needs
 - Empower stakeholders to use data to improve outcomes

DATA

- Infinite Campus
- Assessments
- Personnel (PRF)
- Financial

SD STARs

- Linked sources
- Over years
- Access for LEAs and Teachers

DECISIONS

- Classroom
- School
- District
- State

OUTCOMES

- Achievement
- Attendance
- Improvement
- Focus
- Use of resources



Data Driven Decision-Making

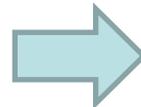
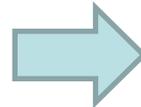
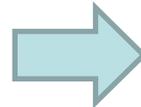
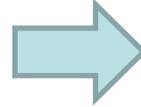
THEN

Local Burden

Guesswork

Intuition and
Isolation

Division



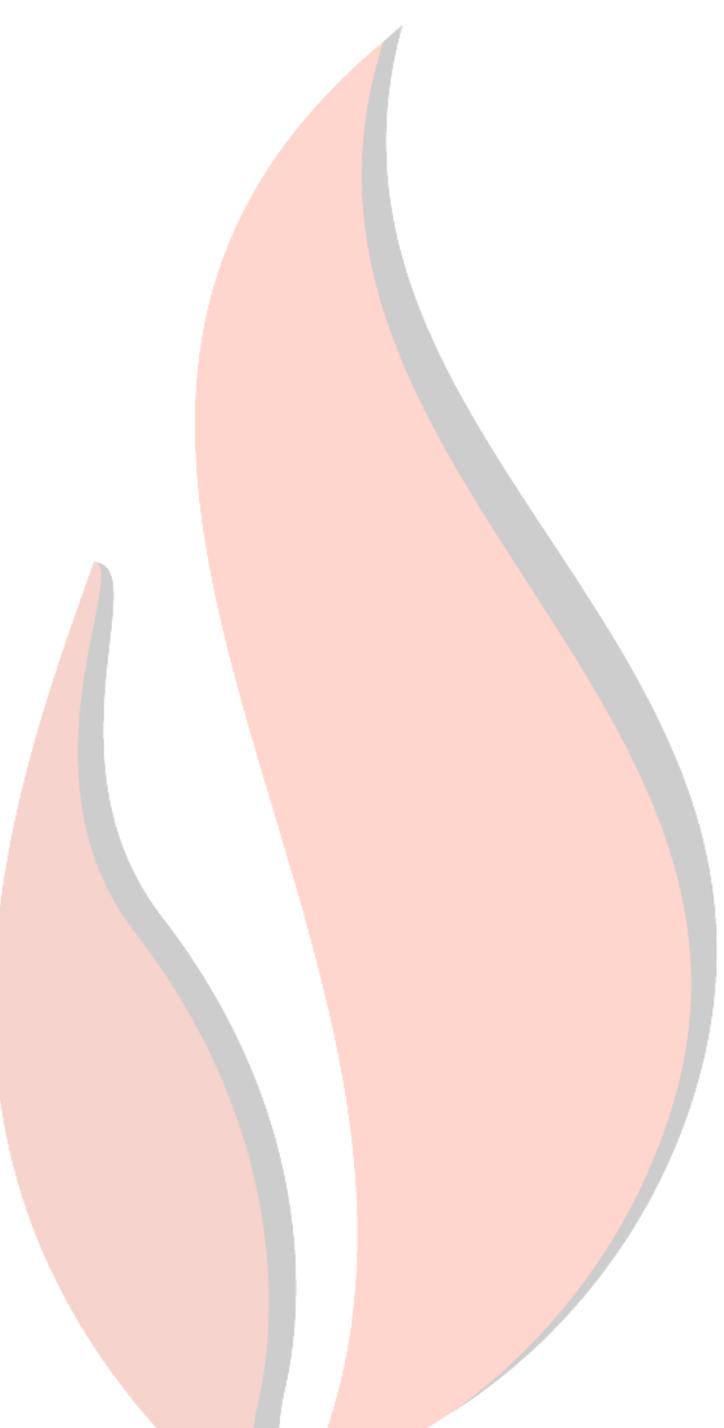
NOW

Universal Resource

Informed Decisions

Objective and
Collaboration

Partnership



Component 2: Portal and Securing Data Access



SD-STARS Portal

- Online secure website
- Provides access to data based on the organization and role assigned to the user ID



**Login**

*User ID:

*Password:

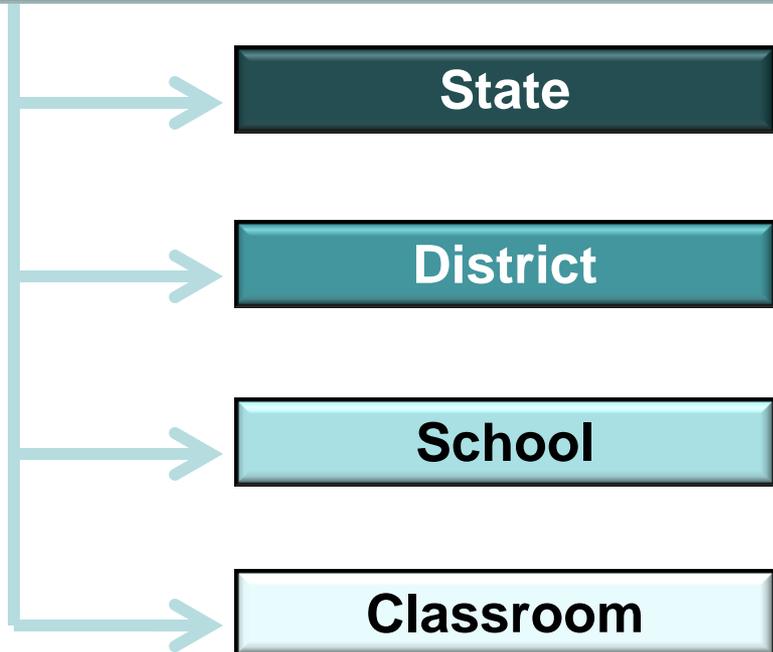
LOGIN

[First Time Login Help](#) | [Forgot Password?](#)

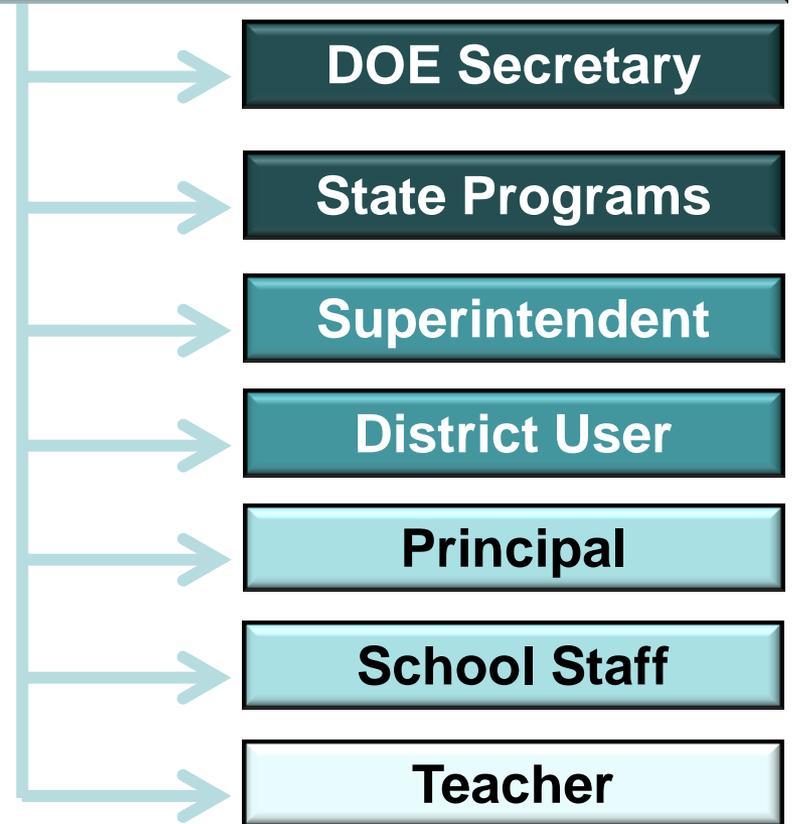


SD-STARS Security

Organization



Roles



Aid, Measure, Inform

3 Purposes of SD-STARS



Newly Added Resources

▶ STARS Connections Newsletter - August 2012

Event Calendar

« September 2 »

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

Today's events

▶ 3:30PM: SD-STARS Pilot Training Program: Kick-off Webinar

Leadership Message



Welcome to SD-STARS!

It is my pleasure to introduce you to SD-STARS! The Department has been working since before January 2012 to implement a Statewide

Longitudinal Da...

[Read More](#)

▶ Previous Messages

Pulse Check

Have you read the August's *STARS CONNECTION* newsletter?

- Yes
 No

SUBMIT



SD-STARS Portal – Library

Sara Kock Account Support Help Logout



SEARCH

- Home
- My Dashboard
- Content Library
- Reports
- Training Center
- Admin

Home » Content Library

ADVANCED SEARCH

DEFINE CONTENT

UPLOAD CONTENT

RESET

Keyword:

SEARCH



All



Action Step



Calendar Event



Discussion



Learning Objects



News



People



SD-STARS Portal – Training

Sara Kock Account Support Help Logout



SEARCH

Home

My Dashboard

Content Library

Reports

Training Center

Admin



Edit this page

STARS Training Courses

General Training Materials

- ▶ Training Guidelines
- ▶ List of Courses and Course Modules
- ▶ Scope and Sequence of Courses
- ▶ Self-Assessment Surveys
- ▶ Sign-in Sheets
- ▶ Training Evaluation
- ▶ Sample Training Plan



Training for Data Coaches

- ▶ Data Coach Roles and Responsibilities
- ▶ STARS Training Courses
- ▶ Applying Tools in the Data Team Toolbox
- ▶ Questioning Techniques and Problem-solving Skills





SD-STARS Portal – Interactive



Sara Kock Account Support Help Logout

Search

SEARCH

Home My Dashboard Content Library Reports Training Center Admin

Home » Dashboard



My Profile



Sara Kock

- Edit My User Account
- Edit My User Profile

My Recommendations

No recommended content available.

Manage My Attributes



My Action Steps

No active action steps.

Admin | View All



Data Driven Discussions



Marcus Bevier in response to: District School Users Sample

Who is this Greg Brown fellow?

6/21/2012 10:44 AM More

COMMENT

on this topic



Tamara Darnall

He is our primary point of contact for support on the SD-STARS portal.

6/21/2012 10:46 AM



Marcus Bevier

The training cov.

My Calendar



<< July 2012 >>

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				



Today's events

No events on this day.



SD-STARS Portal – Interactive

- Provides the ability to have collaborative discussions around reports

District Dashboard

District Marshall Public Schools

1 of 1 100%

Enrollment		More	
School Type	School Name	2012	2011
<input type="checkbox"/> Elementary		4,171	4,030
<input type="checkbox"/> Middle		1,448	1,357
<input type="checkbox"/> High		1,559	1,153
<input type="checkbox"/> Non-Traditional		150	116
Total		7,328	6,656

Attendance		More	
School Type	School Name	2012	2011
<input type="checkbox"/> Elementary		98.0%	96.0%
<input type="checkbox"/> Middle		96.4%	93.4%
<input type="checkbox"/> High		92.9%	89.1%
<input type="checkbox"/> Non-Traditional		99.0%	77.0%
Total		96.6%	93.7%

Absences Year-to-Date [More](#)

Data Driven Discussions

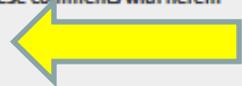
Enter your report comments here...

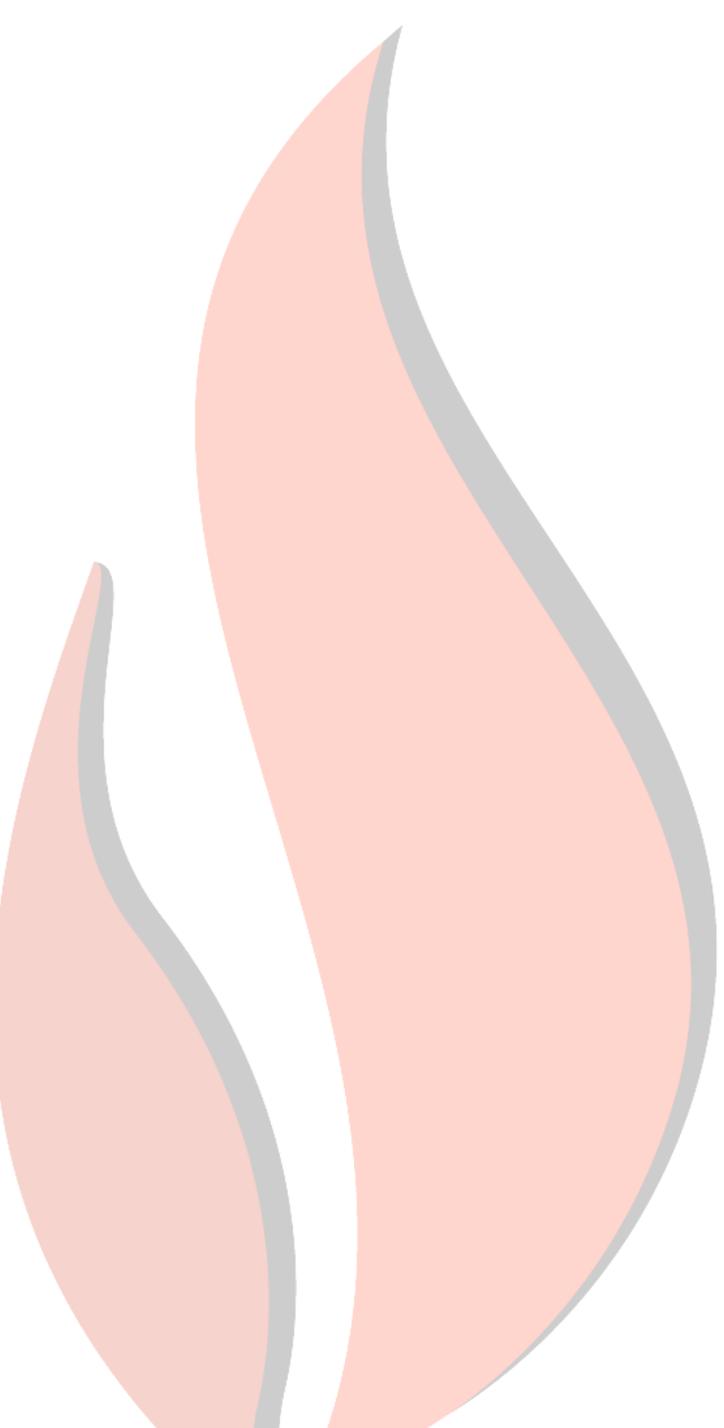
Indicate who you would like to share these comments with here...

My Peers My Administrators

[Add Person](#) [Clear List](#)

SUBMIT **CLOSE**





Component 3: Reports and Displaying Data for Understanding



SD-STARS Reports

Different Types

- General
- Stoplight
- Dashboards

Different Formats

- Viewable online
- Downloadable in PDF, Excel, Word

Capabilities

- Tables, graphs, and charts
- Drill down from aggregate to student

Secure and Confidential

- District technology policy applies
- User agreement
- FERPA compliant (organizational and role-based access)



Example General Reports

District: Marshall Public Schools | School Name: King Elementary School

3 of 4? | 100%

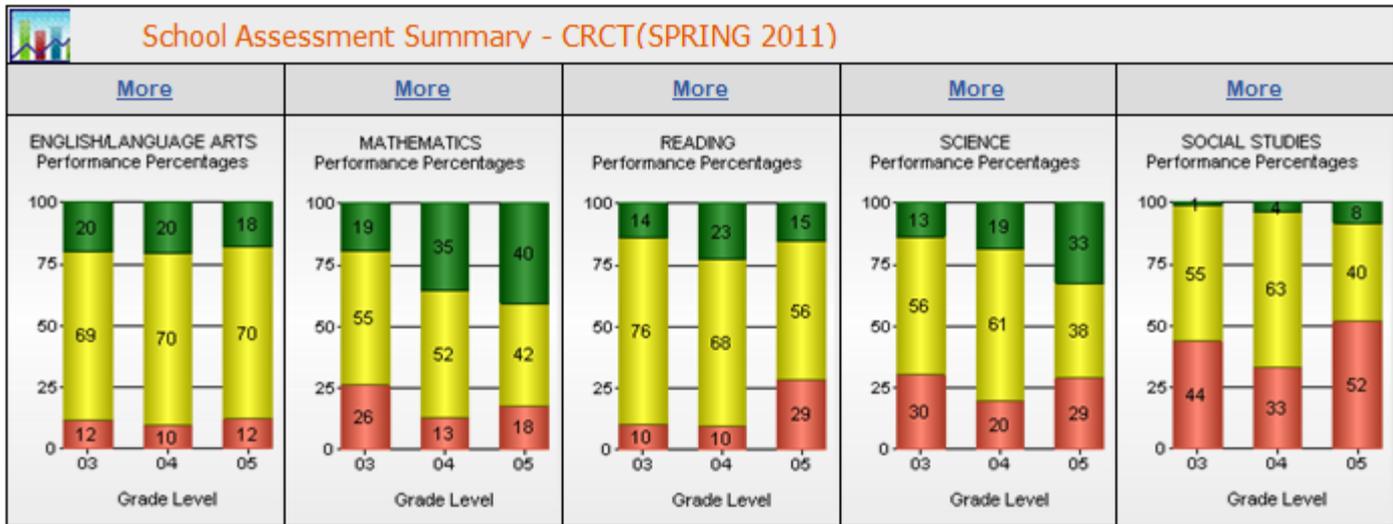
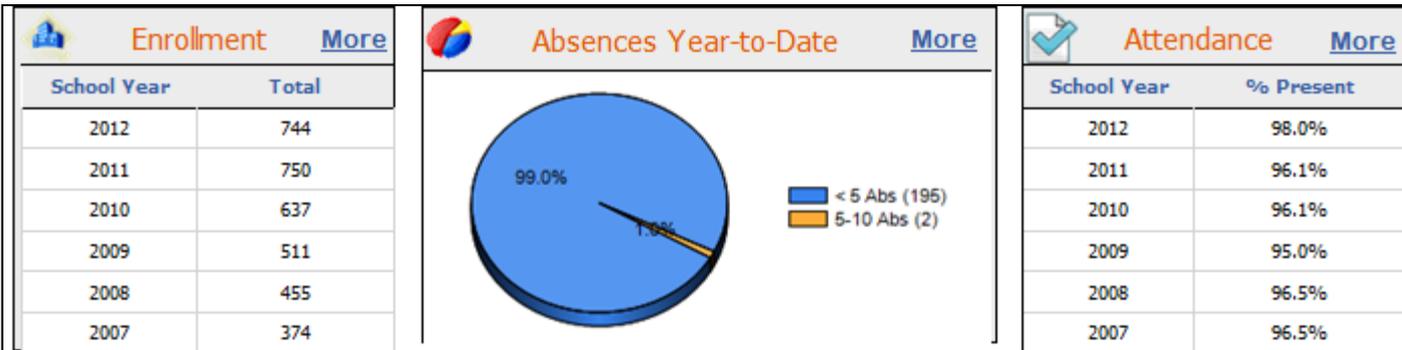
Document Map

- School Enrollment Details
- By Grade Level
- By Gender
- By Ethnicity
- By Limited English Proficiency
- By Free/Reduced Lunch
- By Disability

Enrollment by Ethnicity		2012	2011	2010	2009	2008	2007
+ American Indian/Alaska Native			1	1	1	2	2
+ Asian	Preschool	1	0		1	1	
	Kindergarten	1	1		0	0	
	First Grade	1	1	0	0		
	Second Grade	1	2	0			1
	Third Grade	2	0			0	1
	Fourth Grade				0	1	1
	Fifth Grade		2	3	2	1	1
+ Black		160	171	155	129	130	116
+ Hispanic		521	511	421	339	285	229
+ Multi-Racial		15	17	15	12	12	12
+ Not avail		2					
+ White		40	44	42	27	23	11

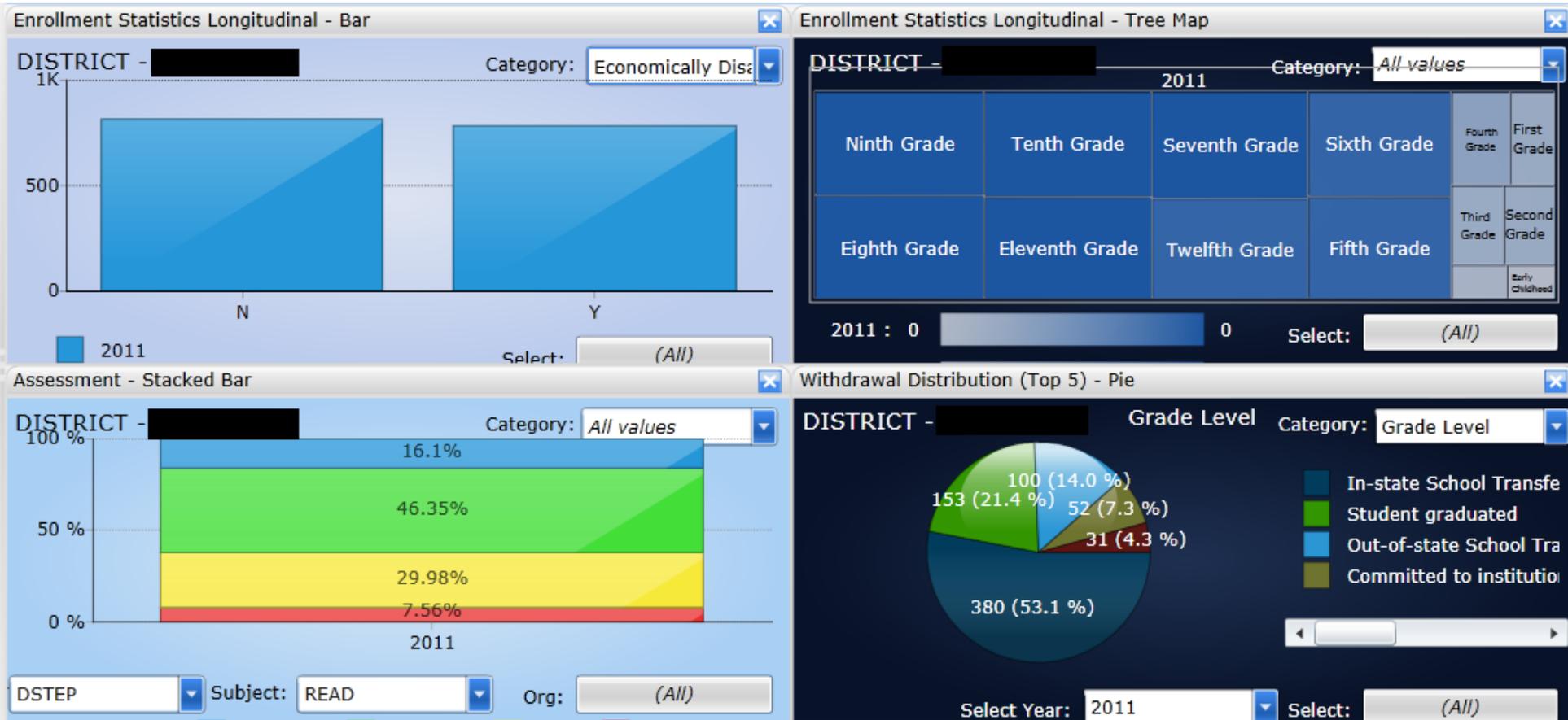


Example Dashboard Report





Example Dundas Dashboard



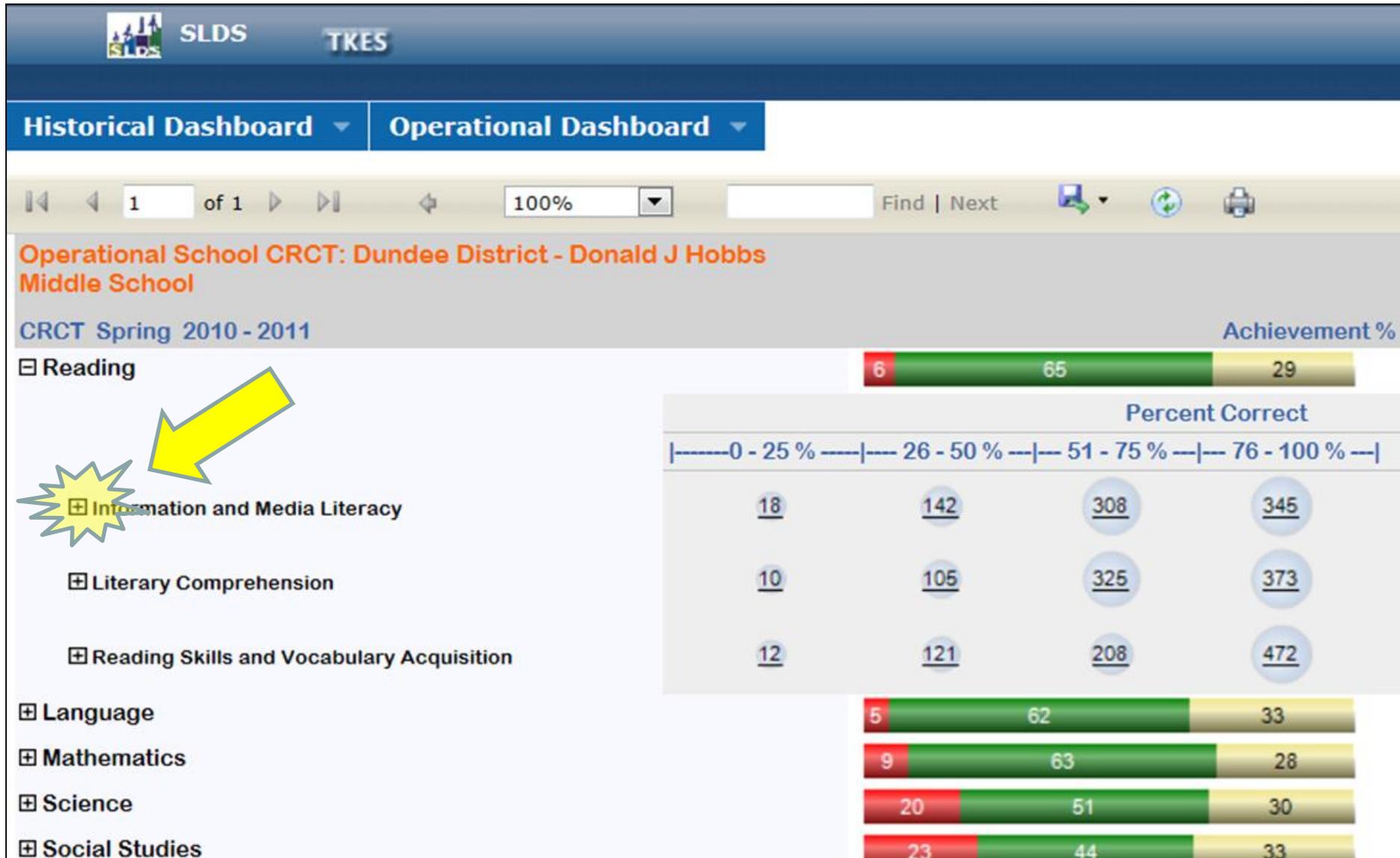


Example Report – Drill Down



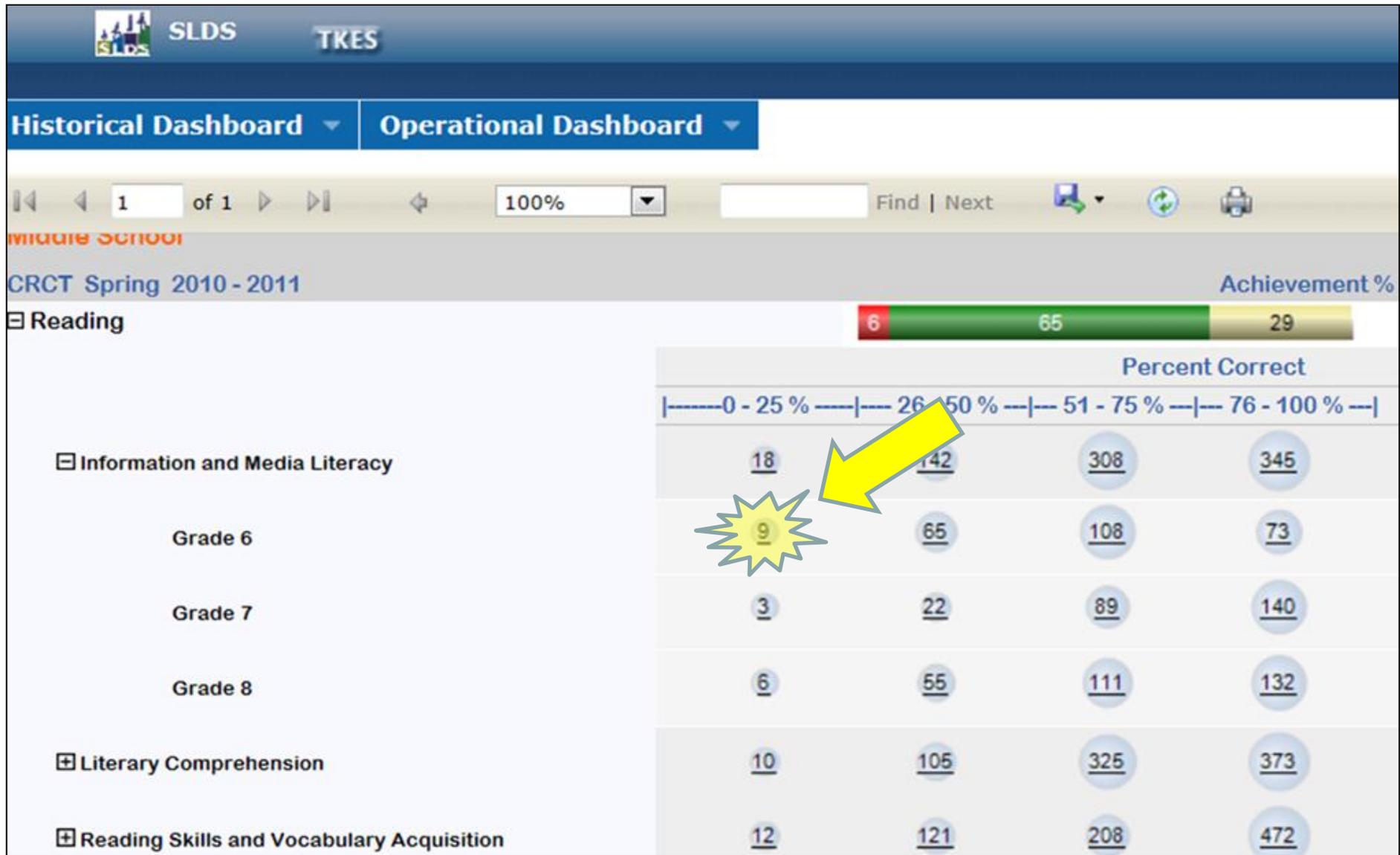


Example Report – Drill Down





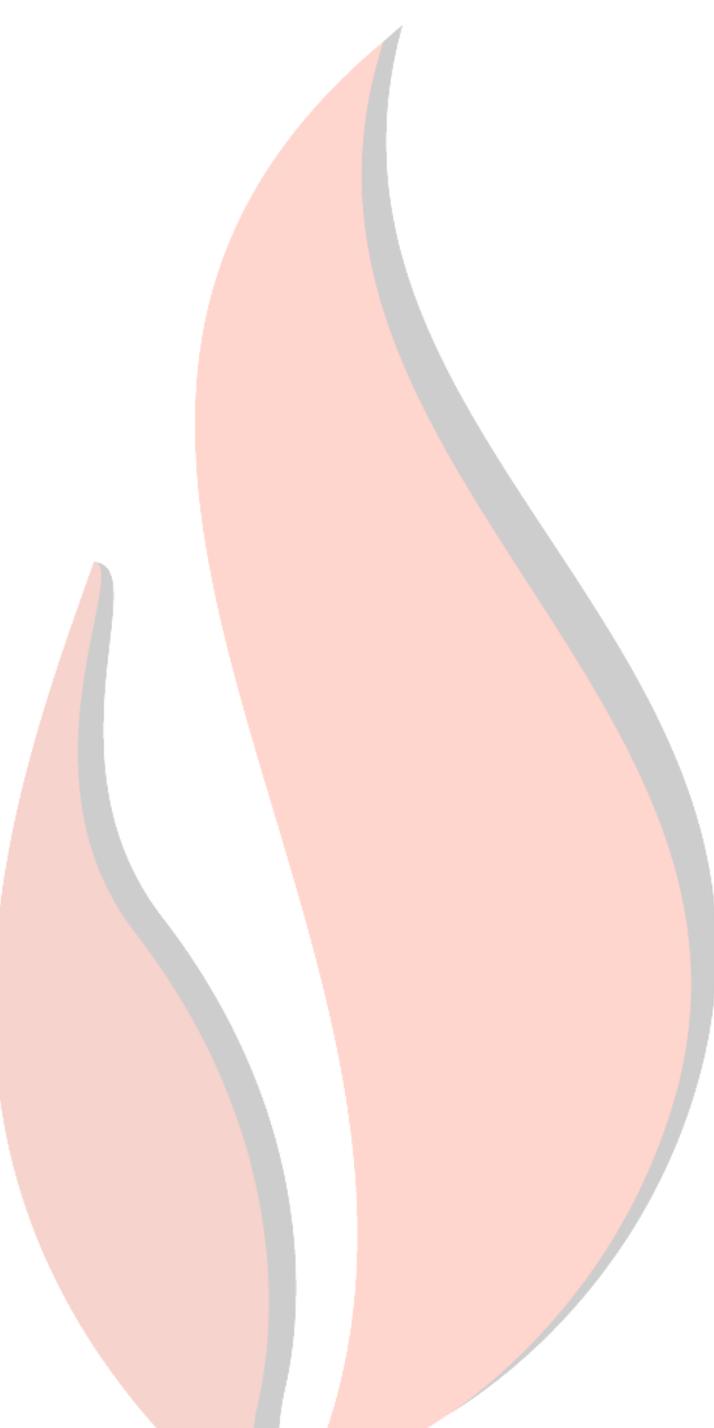
Example Report – Drill Down





Example Report – Drill Down

SLDS		TKES					
Historical Dashboard		Operational Dashboard					
1 of 1		100%	Find Next				
Criterion Referenced Competency Test - Spring 2011 - Reading - Information and Media Literacy(0 - 25%)							
Student	School Name	Grade	ELL	SWD	ED	Retained	Gifted
Bartley , Tanesha A	Donald J Hobbs Middle School	06					
Batiste , Lavelle P	Donald J Hobbs Middle School	06					
Clinton , Bernita S	Donald J Hobbs Middle School	06					
Duong , Margy N	Donald J Hobbs Middle School	06					
Liu , Shasta A	Donald J Hobbs Middle School	06					
Loy , Shanel L	Donald J Hobbs Middle School	06					
Maas , Bryanna T	Donald J Hobbs Middle School	06					
Spruill , Benny F	Donald J Hobbs Middle School	06					
Whitener , Odell J	Donald J Hobbs Middle School	06	Y				

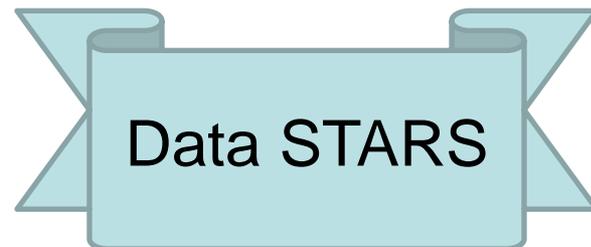


Component 4: Training and Professional Learning Around Data Use



SD-STARS Training

- Train-the-trainer model
 - 2 Representatives from each district
 - Members from all ESAs
- Training plan
 - Materials – user guides, FAQs, online help, tutorials
 - Classes – hands on, real-life scenarios, using real data
 - Process – test, pilot, and rollout
 - Evaluation to adapt training based on feedback
- Continued development of Data STARS
- Dates
 - October 18-19 OR October 25-26, 2012 - Pilot Districts
 - March-June 2013 – Statewide Rollout





SD-STARS – The Future

**Sep
2013**

- DOE sources loaded and validated
- Portal access available to all districts
- Initial set of reports developed
- Data STARS trained

**Sep
2014**

- Data quality improves
- Users visit frequently and apply data to inform decisions
- Additional set of reports developed based on user requests
- Users have access to differentiated training

Beyond

- Connection with other agencies' data (ex: post-sec, labor)
- System evolves to increase ease and engagement
- Data-driven decision making by all levels of stakeholders
- Data governance initiative drives systemic improvement

SD-STARS Team Members



Contact Information

SD-STARS Website:

<http://doe.sd.gov/ofm/lds.aspx>

STARS Connections (Bi-Monthly Newsletter):

<http://doe.sd.gov/publications.aspx>

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