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# MSIP 5 SCORING GUIDE MEETINGS

## 1 OF 3

May 2012 Missouri Department of Elementary and Secondary Education

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### Summer Series

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#### Purpose

- Understanding decision frameworks used in scoring guide development
- Piloting data use
- Building reporting models

	Jefferson City	Webinar
Round 1	May 1 and 3	May 4
Round 2	June 4 and June 7	June 7
Round 3	July 23	July 26
Administrators Conference		



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### Why we're here!

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### MSIP 5 Policy Goals

- Promote Continuous Improvement and Innovation
- Establish the State's Expectations
- Distinguish Performance of Schools and Districts
- Empower All Stakeholders




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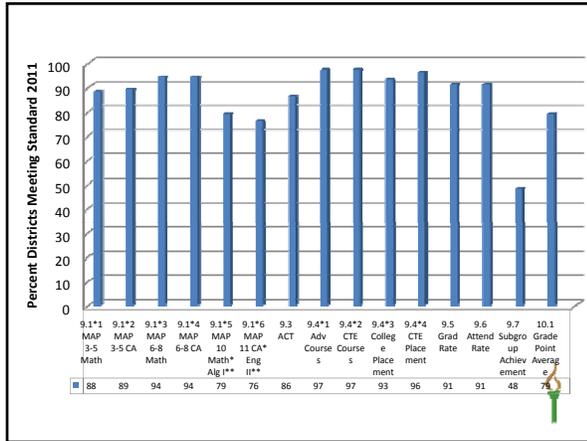
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### 2011 Fourth Cycle Results

4 <sup>th</sup> Cycle Standard	Percent Districts meeting standard	State Performance Percent Students scoring proficient/advanced
3-5 Math	88%	52% (MET)
3-5 Communication Arts	89%	50.3% (MET)
6-8 Math	94%	55.4% (MET)
6-8 Communication Arts	94%	53.3% (MET)
Algebra I	79%	60.2% (MET)
English II	76%	74.5% (MET)
ACT	86%	36% (at or above nat'l avg) (MET)




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### 2011 Fourth Cycle Results

4 <sup>th</sup> Cycle Standard	Percent Districts meeting standard	State Performance
Advanced Courses	97%	MET
CTE Courses	97%	MET
College Placement	93%	69.4% (2010) (MET)
CTE Placement	96%	84.9% (2010) (MET)
Attendance Rate	91%	94.4% (NOT MET)
Graduation Rate	91%	87% (MET)
Subgroup Performance	48%	5% (NOT MET)




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- ### MSIP 5 Performance Standards
- Academic Achievement** - The district administers assessments required by the Missouri Assessment Program (MAP) to measure academic achievement and demonstrates improvement in the performance of its students over time.
  - Subgroup Achievement** - The district demonstrates required improvement in student performance for its subgroups.
  - College and Career Readiness (K-12 only)** - The district provides adequate post-secondary preparation for all students.
  - High School Readiness (K-8 only)** - The district provides adequate post-elementary preparation for all students.
  - Attendance Rate** - The district ensures all students regularly attend school.
  - Graduation Rate (K-12 only)** - The district ensures all students successfully complete high school.
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### Regional Meetings – Intended Outcome of Missouri’s Accountability System

Identify Lowest 5% and Provide Drastic Intervention and Assistance	Ensure EVERY school is "Good Enough"	Ensure EVERY school Gets Better
0-1	3-1	18-1 Highest Priority
9-2 Second Priority	7-2	0-2
8-3 Third Priority	8-3 Third Priority	1-3




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### Regional Meetings – Design Decisions

Decision	Spread	≤ 50%	50/50	≥ 50%
Status	0-70	8	6	3
Growth	30-100	3	6	8

Decision	Spread	≤ 50%	50/50	≥ 50%
Differentiated	5-100	7	0	10
Standardized	0-95	10	0	7

Decision	Spread	≤ 50%	50/50	≥ 50%
Simple/Transparent	0-75	12	5	1
Complex/Precise	25-100	1	5	12

Decision	Spread	≤ 50%	50/50	≥ 50%
Focused Dept Resources	0-95	7	2	7
Dept Resources for All	5-100	7	2	7

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### Academic Achievement

□ Multiple Measures

	Status	Progress	Growth
Exceeding	16	12	12
Meeting	12	6	6
Approaching	6	3	3
Floor	0	0	0

□ Apply Full Academic Year (FAY) for accountability; report all students

□ Eliminate “grade span” and report at school/LEA configuration

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### Academic Achievement - Status

- Set Standardized Status Expectation for all districts
- Use 3 most recent years to calculate status
- Use an Index to calculate and add percent proficient for reporting

Achievement Level	Point Value
Below Basic	1
Basic	3
Proficient	4
Advanced	5




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### MAP Performance Index

	Prof Rate	MPI		Prof Rate	MPI		Prof Rate	MPI
B Basic	25%	25	B Basic	0%	0	B Basic	13%	13
Basic	25%	75	Basic	50%	150	Basic	12%	36
Prof	25%	100	Prof	25%	100	Prof	50%	200
Adv	25%	125	Adv	25%	125	Adv	25%	125
		<b>325</b>			<b>375</b>			<b>374</b>




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### Proposed Status Targets-Mathematics

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Year	Floor	Approaching	Meets	Exceeds
2012	100-299.9	300.0-355.7	355.8-392.7	392.8-500
2013	100-299.9	300.0-358.1	358.2-392.7	392.8-500
2014	100-299.9	300.0-360.5	360.6-392.7	392.8-500
2015	100-299.9	300.0-362.9	363.0-392.7	392.8-500
2016	100-299.9	300.0-365.3	365.4-392.7	392.8-500
2017	100-299.9	300.0-367.7	367.8-392.7	392.8-500
2018	100-299.9	300.0-370.1	370.2-392.7	392.8-500
2019	100-299.9	300.0-372.5	372.6-392.7	392.8-500
2020	100-299.9	300.0-374.9	375.0-392.7	392.8-500

*MPI (1.3.4.5) Proposed Targets for Status (Academic Achievement)  
4-30-12 Draft*




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### Proposed Status Targets-Communication Arts

Year	Floor	Approaching	Meets	Exceeds
2012	100-299.9	300.0-362.2	362.3-385.6	385.7-500
2013	100-299.9	300.0-363.8	363.9-385.6	385.7-500
2014	100-299.9	300.0-365.4	365.5-385.6	385.7-500
2015	100-299.9	300.0-367.0	367.1-385.6	385.7-500
2016	100-299.9	300.0-368.6	368.7-385.6	385.7-500
2017	100-299.9	300.0-370.1	370.2-385.6	385.7-500
2018	100-299.9	300.0-371.7	371.8-385.6	385.7-500
2019	100-299.9	300.0-373.3	373.4-385.6	385.7-500
2020	100-299.9	300.0-374.9	375.0-385.6	385.7-500

*MPI (1,3,4,5) Proposed Targets for Status (Academic Achievement)  
4-30-12 Draft*




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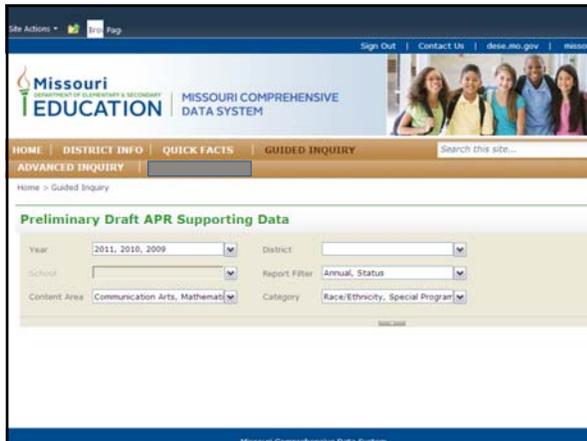
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The screenshot shows the Missouri Department of Elementary & Secondary Education website. The main heading is 'Missouri EDUCATION' with the subtitle 'MISSOURI COMPREHENSIVE DATA SYSTEM'. Below the heading is a navigation bar with 'HOME', 'DISTRICT INFO', 'QUICK FACTS', and 'GUIDED INQUIRY'. A search bar is present. The main content area is titled 'Preliminary Draft APR Supporting Data' and contains several dropdown menus for filtering data by Year (2011, 2010, 2009), District, School, Report Filter (Annual, Status), Content Area (Communication Arts, Mathemat...), and Category (Race/Ethnicity, Special Program).

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- ### Academic Achievement - Progress
- Promote continuous improvement
  - Allow for differentiated improvement targets
    - Use percentage gap reduction
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### Academic Achievement - Progress

**19**

1. The MPI from the prior year is subtracted from 450 to determine a gap.

Baseline MPI		2011 School MPI		MPI gap
450	-	347.8	=	102.2

2. Multiply the MPI gap by the associated percentage.

	Prior Year MPI GAP			MPI Increase Needed	2011 MPI	2012 Progress AMO
Exceeds	102.2	*5%	=	5.11	347.8	352.9-500
Meets	102.2	*3%	=	3.07	347.8	350.9-352.8
Approaching	102.2	*1%	=	1.03	347.8	348.8-350.8

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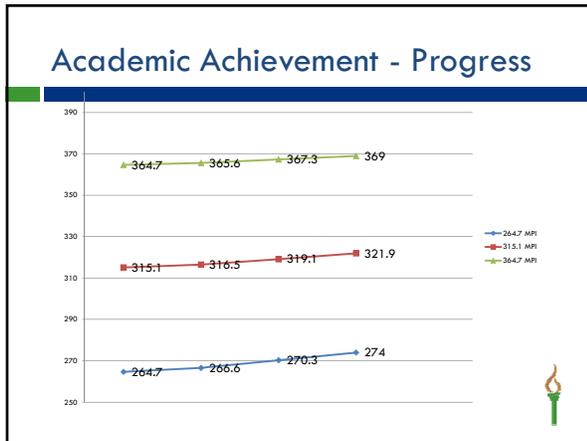
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### Academic Achievement - Growth

- Continue with Student Growth Pilot
- Establish Growth Targets
  - Similar process as 2011 APR but use quartiles

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### Subgroup Achievement

- Challenges Associated with NCLB Implementation
  - ▣ “All or nothing” approach
  - ▣ Distribution of subgroups among LEAs
    - Number of subgroups vary LEA to LEA
    - Minimum “n”
  - ▣ Duplicated Count




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### Subgroup Achievement

- Report all subgroups individually
  - ▣ Maintains focus on the performance of each child
- Apply accountability to a super subgroup
  - ▣ Allows for inclusion of students otherwise missed due to small “n” size
  - ▣ Eliminates duplicated count
  - ▣ Levels playing field among districts – accountability measured using one subgroup in each district




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### Proficiency Rates by Subgroup

Subgroup	% Of State Population	CA 2009	CA 2010	CA 2011	Math 2009	Math 2010	Math 2011
Total	100%	51.2	53.6	54.6	47.6	52.7	54.2
Asian/Pacific Is	1.9%	61.7	65.6	65.0	64.8	70.5	72.0
Black	16.3%	29.7	32.0	32.7	21.2	23.0	29.0
Hispanic	4.3%	37.7	40.6	41.6	34.4	35.8	41.4
American In	0.5%	51.1	51.1	51.2	41.8	44.0	48.6
White	75.6%	56.6	59.0	60.1	52.8	53.6	58.3
Multi-Racial	1.3%	60.3	53.7	53.5	58.9	65.1	53.1
FRL	46.6%	36.3	39.4	40.5	31.8	33.3	38.9
IEP	12.5%	23.6	26.2	27.0	22.7	25.8	29.2
LEP	2.6%	24.7	25.2	23.2	28.4	28.6	31.4




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### Subgroup Achievement

- Multiple Measures
  - ▣ Status
  - ▣ Progress
  - ▣ Growth
  
- Goal
  - ▣ Cut Gap in Half by 2020




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### Proposed Super Subgroup Targets-Mathematics

Year	Floor	Approaching	Meets	Exceeds
2012	100-299.9	300.0-329.8	329.9-392.7	392.8-500
2013	100-299.9	300.0-333.8	333.9-392.7	392.8-500
2014	100-299.9	300.0-337.7	337.8-392.7	392.8-500
2015	100-299.9	300.0-341.6	341.7-392.7	392.8-500
2016	100-299.9	300.0-346.5	346.6-392.7	392.8-500
2017	100-299.9	300.0-349.4	349.5-392.7	392.8-500
2018	100-299.9	300.0-353.4	353.5-392.7	392.8-500
2019	100-299.9	300.0-357.3	357.4-392.7	392.8-500
2020	100-299.9	300.0-361.2	361.3-392.7	392.8-500

*MPI (1,3,4,5) Proposed Targets for Status (Subgroup Achievement)  
Draft 4-30-12*




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### Proposed Super Subgroup Targets-Communication Arts

Year	Floor	Approaching	Meets	Exceeds
2012	100-299.9	300.0-335.6	335.7-385.6	385.7-500
2013	100-299.9	300.0-338.8	338.9-385.6	385.7-500
2014	100-299.9	300.0-341.9	342.0-385.6	385.7-500
2015	100-299.9	300.0-345.1	345.2-385.6	385.7-500
2016	100-299.9	300.0-348.2	348.3-385.6	385.7-500
2017	100-299.9	300.0-351.4	351.5-385.6	385.7-500
2018	100-299.9	300.0-354.5	354.6-385.6	385.7-500
2019	100-299.9	300.0-357.7	357.8-385.6	385.7-500
2020	100-299.9	300.0-360.8	360.9-385.6	385.7-500

*MPI (1,3,4,5) Proposed Targets for Status (Subgroup Achievement)  
Draft 4-30-12*




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### Subgroup Achievement

Multiple Measures

	Status	Progress	Growth
Exceeding	4	3	3
Meeting	3	2	2
Approaching	2	1	1
Floor	0	0	0

- Apply Full Academic Year (FAY) for accountability; report all students
- Maximum points 4




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Academic Achievement	CA	Mathematics	Science	Social Studies	Additional EOCs	Risk Factors	Exemplars
Status	Exceeds = 16 Meets = 12 Approach = 6 Floor = 0	Exceeds = 16 Meets = 12 Approach = 6 Floor = 0	Exceeds = 16 Meets = 12 Approach = 6 Floor = 0	Exceeds = 8 Meets = 6 Approach = 3 Floor = 0	Exceeds = 8 Meets = 6 Approach = 3 Floor = 0		
Progress	Exceeds = 12 Meets = 6 Approach = 3 Floor = 0	Exceeds = 12 Meets = 6 Approach = 3 Floor = 0	Exceeds = 12 Meets = 6 Approach = 3 Floor = 0	Exceeds = 6 Meets = 3 Approach = 1.5 Floor = 0	Exceeds = 6 Meets = 3 Approach = 1.5 Floor = 0		
Growth	Exceeds = 12 Meets = 6 Approach = 3 Floor = 0	Exceeds = 12 Meets = 6 Approach = 3 Floor = 0					
Points Possible	16	16	16	8	8		

Subgroup Achievement	CA	Mathematics	Science	Social Studies	Additional EOCs	Risk Factors	Exemplars
Status	Exceeds = 4 Meets = 3 Approach = 2 Floor = 0	Exceeds = 4 Meets = 3 Approach = 2 Floor = 0	Exceeds = 4 Meets = 3 Approach = 2 Floor = 0	Exceeds = 2 Meets = 1.5 Approach = 1 Floor = 0	Exceeds = 2 Meets = 1.5 Approach = 1 Floor = 0		
Progress	Exceeds = 3 Meets = 2 Approach = 1 Floor = 0	Exceeds = 3 Meets = 2 Approach = 1 Floor = 0	Exceeds = 3 Meets = 2 Approach = 1 Floor = 0	Exceeds = 1.5 Meets = 1 Approach = .5 Floor = 0	Exceeds = 1.5 Meets = 1 Approach = .5 Floor = 0		
Growth	Exceeds = 3 Meets = 2 Approach = 1 Floor = 0	Exceeds = 3 Meets = 2 Approach = 1 Floor = 0					
Points Possible	4	4	4	2	2		

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CCR	*1-3	*4	*5-6	Risk Factors	Exemplars
Status	Exceeds = 10 Meets = 7.5 Approach = 4 Floor = 0	Exceeds = 10 Meets = 7.5 Approach = 4 Floor = 0	Exceeds = 10 Meets = 7.5 Approach = 4 Floor = 0		
Progress	Exceeds = 7.5 Meets = 4 Approach = 2 Floor = 0	Exceeds = 7.5 Meets = 4 Approach = 2 Floor = 0	Exceeds = 7.5 Meets = 4 Approach = 2 Floor = 0		
Points Possible	10	10	10		

Attendance	Risk Factors	Exemplars
Status		
Progress		
Points Possible		

Graduation	4-5 Year Rate	State	Risk Factors	Exemplars
Status	Exceeds = 20 Meets = 15 Approach = 8 Floor = 0	Exceeds = 10 Meets = 7.5 Approach = 4 Floor = 0		
Progress	Exceeds = 12 Meets = 8 Approach = 4 Floor = 0	Exceeds = 7.5 Meets = 4 Approach = 2 Floor = 0		
Points Possible	20	10		

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Sample Annual Performance Report (K-12)				
Standard	Points POSSIBLE	District Score	Risk Factors	Exemplar Flags
Academic Achievement	64			
Subgroup Achievement	16			
College and Career Readiness	30			
Attendance	10			
Graduation Rate	30			
<b>Total Points Possible</b>	<b>150</b>			

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Sample Annual Performance Report (K-8)				
Standard	Points POSSIBLE	District Score	Risk Factors	Exemplar Flags
Academic Achievement	48			
Subgroup Achievement	12			
High School Readiness	10			
Attendance	10			
<b>Total Points Possible</b>	<b>80</b>			

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K-12 sample	Core Score	Additional State Indicators	Total
	Points POSSIBLE	Points POSSIBLE	Points POSSIBLE
Academic Achievement	32	32	64
Subgroup Achievement	08	08	16
College and Career Readiness	—	30	30
Attendance Rate	—	10	10
Graduation Rate	20	10	30
<b>Total</b>	<b>60</b>	<b>90</b>	<b>150</b>

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K-8 sample	Core Score	Additional State Indicators	Total
	Points POSSIBLE	Points POSSIBLE	Points POSSIBLE
Academic Achievement	32	16	48
Subgroup Achievement	8	4	12
High School Readiness	—	10	10
Attendance Rate	—	10	10
<b>Total</b>	<b>40</b>	<b>40</b>	<b>80</b>

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## Class of 2016

- Required Additional End-of-Course Assessments**
  - English I
  - American History
- Administered online
- No cost to LEAs/districts
- Sample tests and achievement level descriptors may be found at [http://dese.mo.gov/divimprove/assess/eoc\\_resources.html](http://dese.mo.gov/divimprove/assess/eoc_resources.html).

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**Goal 1: All Missouri students will graduate college and career ready.**

STRATEGY 2: Promote quality **teaching, leading,** and **learning** by supporting a continuous improvement process and disseminating effective instructional practices.

- ACTION 1: Establish and apply appropriate measures of accountability to guide timely intervention strategies and improvement efforts based on best practices.
- ACTION 2: Identify, disseminate and support research-based models to guide school and district improvement.
- ACTION 3: Identify, disseminate and promote best practices.
- ACTION 4: Provide access to user-friendly data tools to make informed decisions.



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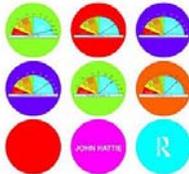
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**Continued Research**

**VISIBLE LEARNING**  
A SYNTHESIS OF OVER 800 META-ANALYSES  
RELATING TO ACHIEVEMENT

*"Reveals teaching's Holy Grail"*  
The Times Educational Supplement



First published in 2009



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**Great Schools**

- Create a climate that all are responsible for the progress of the students
- Use information openly and intelligently
- Use research-based evidence
- Collaborate to improve learning
- Develop expert teachers

*Building Teacher Quality – John Hattie, University of Auckland 2003*



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**Next Steps**

- Resource/Process meetings
- Secure Log-in open
- Scoring Guide Meetings (May, June, July)
- State Board meeting
- APR release



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**THANK YOU!!!**



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