

5Essentials: Scoring and Reporting Webinar

May 2019

How does 5Essentials Scoring work?

How do we go from this...

How safe do you feel...	Not safe	Somewhat safe	Mostly safe	Very safe
In the hallways of the school?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
In the bathrooms of the school?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Outside around the school?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Traveling between home and school?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
In your classes?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

To this?



For 2016, Example Elementary is well-organized for improvement

The overall performance score is comprised of each of the 5Essential scores. Schools that are at or above benchmark on 3 or more essentials are 10 times more likely to improve than schools that are below the benchmark.

[About the Survey](#)

THE 5ESSENTIALS
 How is Example Elementary performing on each of the 5Essentials?

ALL MEASURES
 How is Example Elementary performing across all measures?

Unpacking an Essential	Time
Items	10mins
Measures	5mins
Essentials	5mins
Analyzing your Report	10mins
Questions	~



Measures

- English Instruction
- Math Instruction
- Academic Press
- Quality of Student Discussion

Items

The teacher asks difficult questions in class.

This class challenges me.

This class requires me to work hard to do well.

The teacher expects us to become better thinkers, not just memorize things.

The teacher expects me to do my best all the time.

The teacher expects everyone to work hard.

- Items are the individual questions asked of teachers and students
- Participants may select one response per item
- Responses are added together and displayed as a percentage of the total responses

Students report that their teacher:

[Expand All](#)

Notices if I have trouble learning something.



Is willing to give extra help on schoolwork if I need it.



Helps me catch up if I am behind.



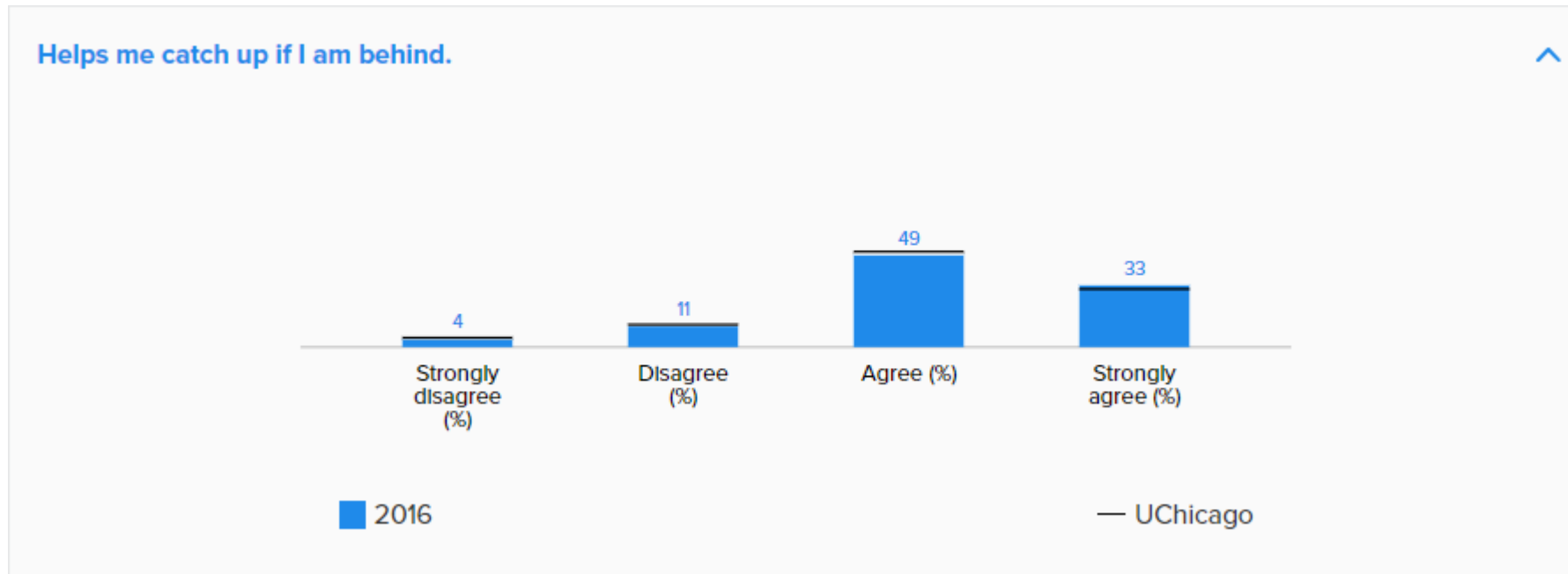
Gives me specific suggestions about how I can improve my work in this class.



Explains things in a different way if I don't understand something in class.



- Responses are added together and displayed as a percentage of the total responses
- Each response category is distinct and should *not* be grouped together
 - Looking at the percentage of who respond positively (strongly agree and agree) conflates really strong feelings with lukewarm feelings



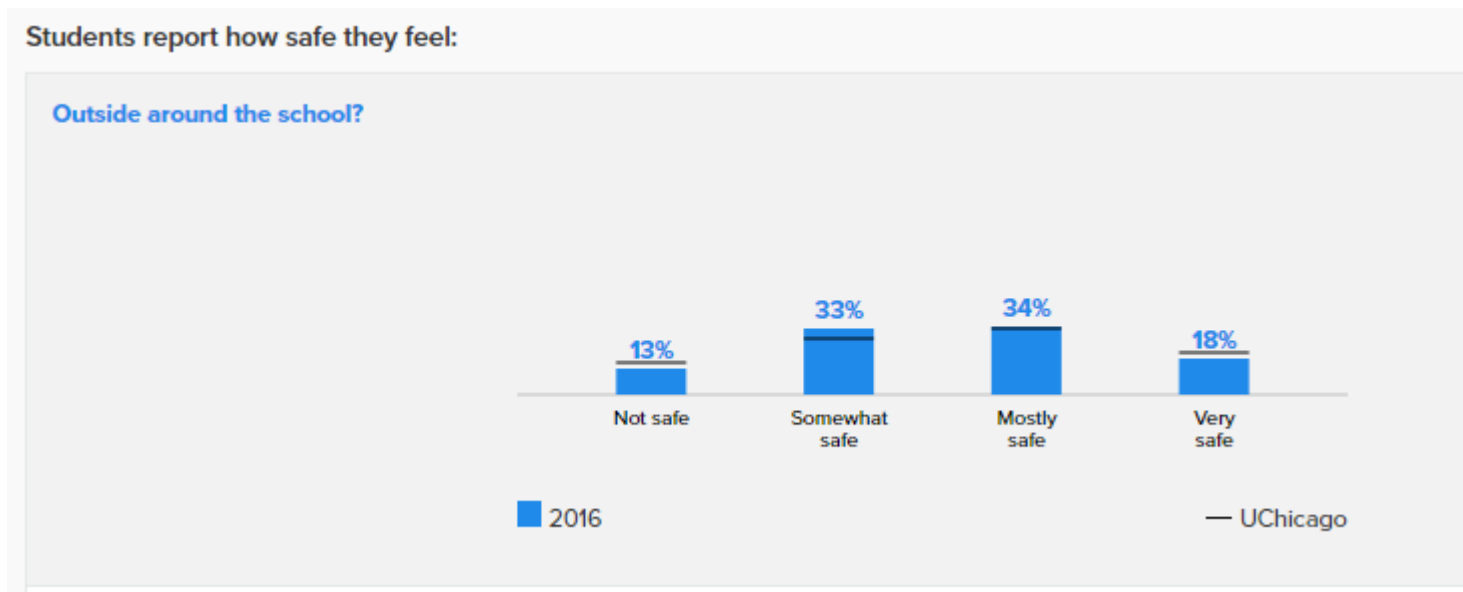
- A Measure score is calculated by using a method called **Rasch analysis**.
 - Identifies and addresses “unreliable” respondents
 - Compares your results against a **benchmark**
 - *Not* a simple average

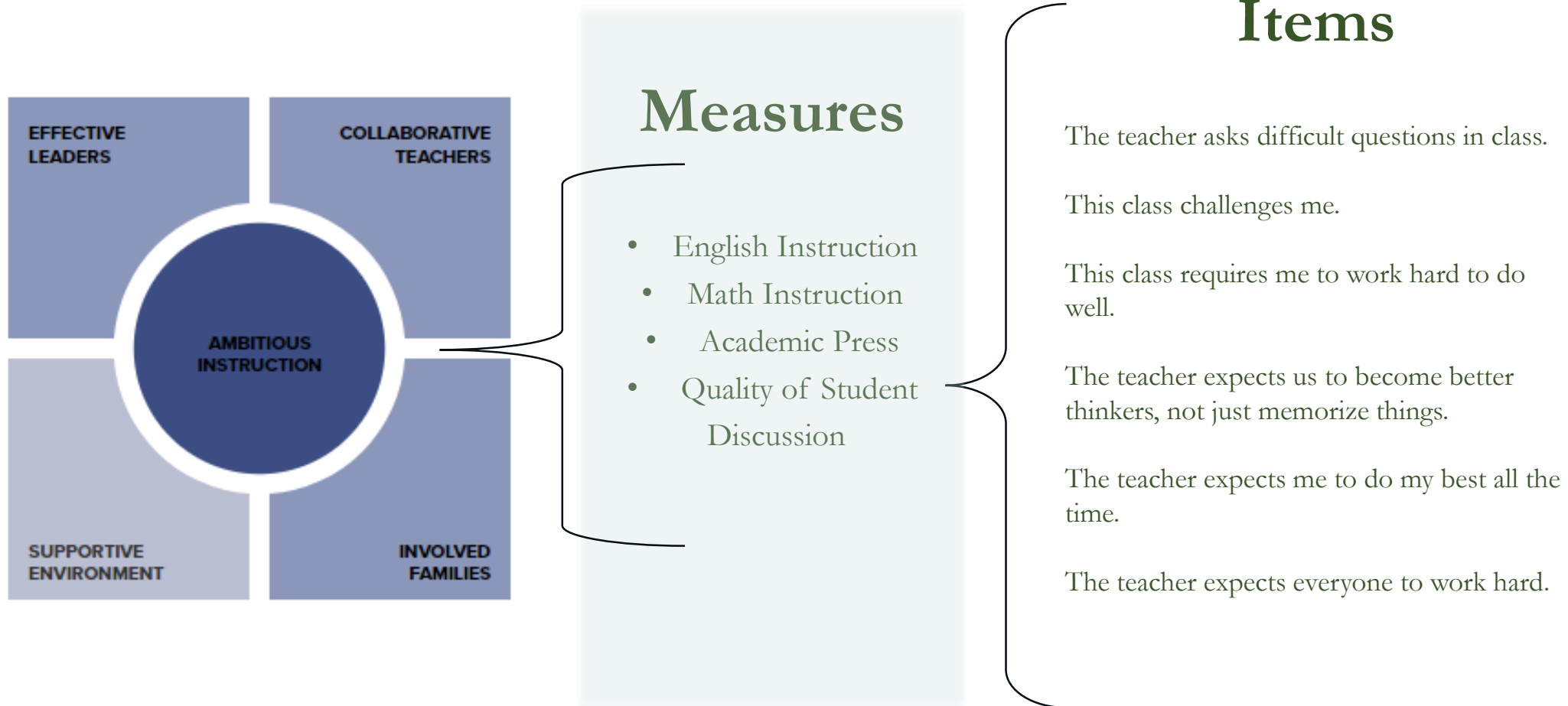
- Rasch Analysis can identify respondents who answer very differently than your school's average respondent. These may include:
 - Skips many questions
 - Answers all strongly positive or negative
 - Answers vary wildly
- These “unreliable” respondents are down-weighted

- Rasch Analysis identifies survey item endorsability by assessing the probability of any response option chosen for a given item as a function of the item's difficulty and the respondent's agreeability.

Text	Difficulty
I worry about crime and violence in this school	0.88
Students at this school are often teased or picked on	-0.95
Students at this school are often threatened or bullied	0.07

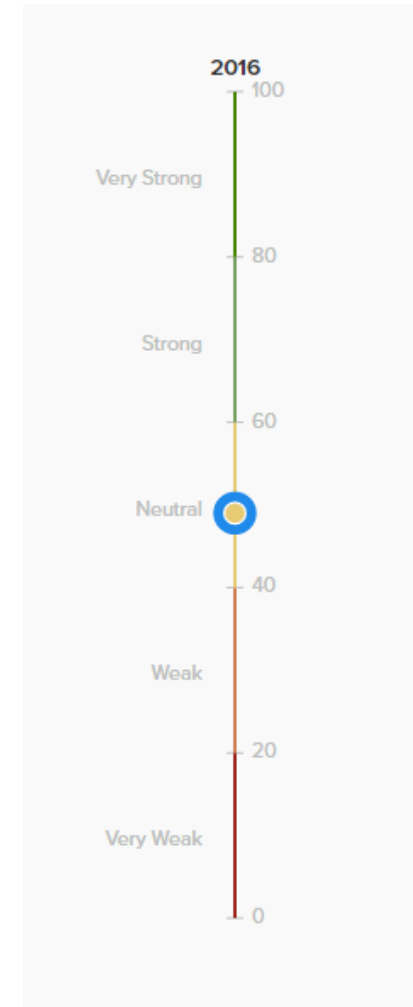
- The **benchmark** gives your scores context
- Exceeding the benchmark in positive categories raises your measure score*
- Exceeding the benchmark in negative categories lowers your measure score*

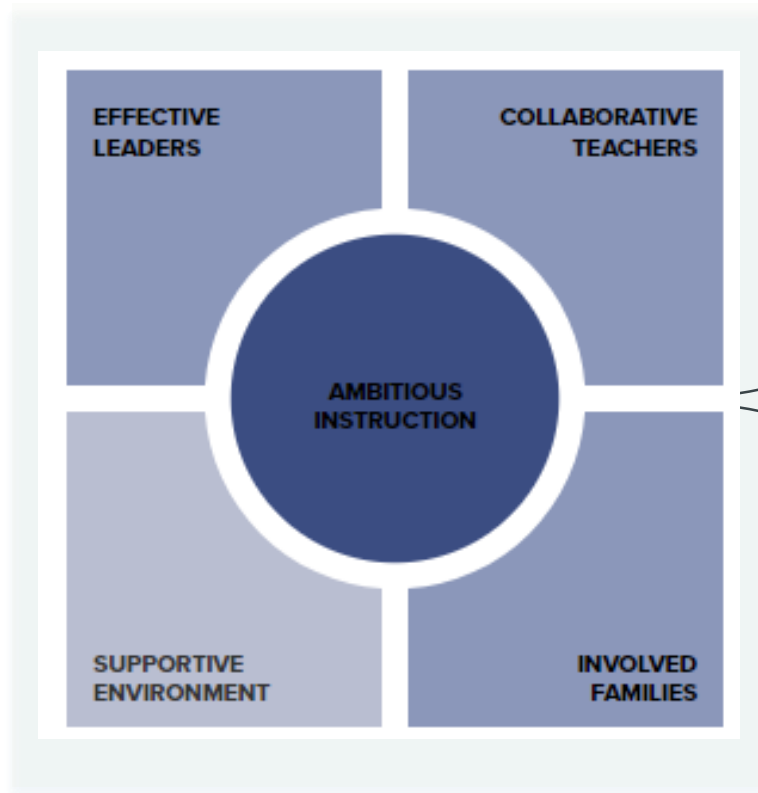




- Measures are made up of related items
 - Example: Academic Press
 - The teacher asks difficult questions...in class/on tests
 - This class challenges me
 - The teacher expects everyone to work hard
 - The teacher wants us to become better thinkers, not just memorize things
 - The teacher expects me to do my best all the time
 - This class really makes me think
 - This class requires me to work hard to do well
 - I really learn a lot in this class
- Measure scores are related to improved outcomes for schools and students
 - Individual questions alone are not related to improved student outcomes, and thus are not given a score on their own

- Measures are scored from 1-99
 - Not a percentile rank, percentage, or average
- A score of 50 represents the **benchmark**
- There are a total of 5 categories on this scale: Very Strong, Strong, Neutral, Weak and Very Weak
- Each category (every 20 points) is one standard deviation apart





Measures

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- Academic Press
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This class challenges me.

This class requires me to work hard to do well.

The teacher expects us to become better thinkers, not just memorize things.

The teacher expects me to do my best all the time.

The teacher expects everyone to work hard.

- Essentials are made up of related measures
 - Example: Ambitious Instruction
 - English Instruction
 - Math Instruction
 - Academic Press
 - Quality of Student Discussion
- Essential score is average of measure scores

Essential	Performance
Ambitious Instruction	72 More

What are these results based on?

This school's performance on this Essential is based on the Measures shown below. Click on each row to learn more about this Essential's underlying concepts (measures) and their related survey questions.

Measures	Performance ↓ ?	Respondent
Academic Press	81 Most	Student
Math Instruction	76 More	Student
English Instruction	67 More	Student
Quality of Student Discussion	63 More	Teacher

- Each essential score is assigned a numeric value

Category	Range of scores	Value
Most	80-99	+1
More	60-79	+1
Average	40-59	0
Less	20-39	-1
Least	1-19	-1



- Most Implementation
- More Implementation
- Average Implementation
- Less Implementation
- Least Implementation
- No Data
- Low Response/Not Applicable

- Add together the value of each essential score to get your overall 5Essentials category

Category	Sum of counts
Most Implementation	+3,+4,+5
More Implementation	+1 or +2
Average Implementation	0
Less Implementation	-1 or -2
Least Implementation	-3,-4,-5



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What questions do you have?

For future questions, contact:
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Additional information on scoring:

<http://help.5-essentials.org/>

-Scoring and Calculations

