NEW YORK STATE EDUCATION DEPARTMENT

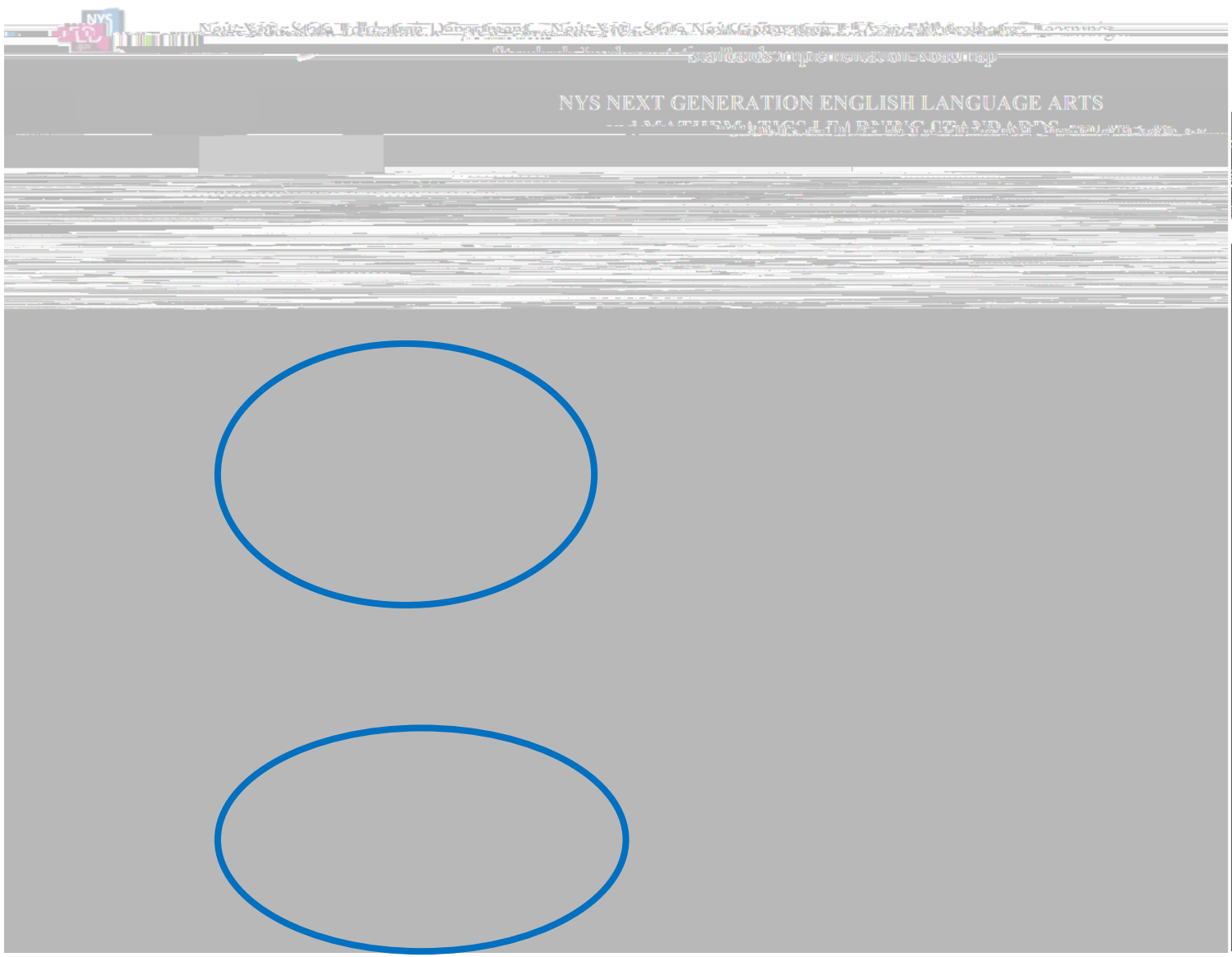
New York State Next Generation

Mathematics Learning Standards

2017

www.nysed.gov/next-generation-learning-standards

https://www.engageny.org/next-generation-learning-standards



Phase I: Raise Awareness

Starting in Winter 2018 through Winter/Spring 2019, we want

NEW YORK STATE EDUCATION DEPARTMENT

New York State Next Generation

Mathematics Learning Standards

The Opening Paragraph…

In 2015, [illegible]
[illegible] 2011. [illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible] (2017) [illegible]

These revised standards reflect the collaborative efforts and expertise of all constituents involved.

2015 Legislative Requirement:
Standards re -evaluated with stakeholder input

[illegible] teachers, parents [illegible]
stakeholders [illegible]
[illegible] feedback

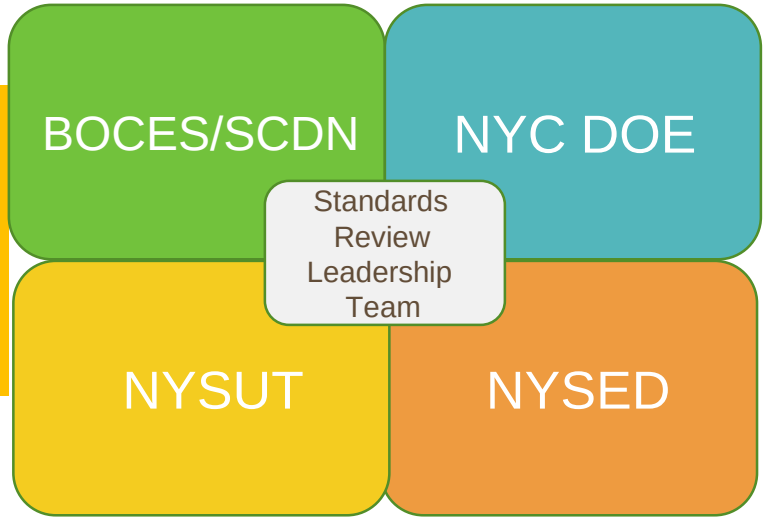
Fall
2015

2015 Legislative Requirement:
Standards re -evaluated with stakeholder input

Fall 2015

April 2016

Standards Review Committee



Grade Band Committees
Facilitator : C
Teachers: P-12, E
Administrators : B
College Professors :
Parents:

2015 Legislative Requirement:
Standards re-evaluated with stakeholder input

2015 Legislative Requirement:
Standards re-evaluated with stakeholder input

Fall
2015
April

2015 Legislative Requirement:
Standards re -evaluated with stakeholder input

Standards

Introduction

student access to knowledge at the

Instruction Curriculum

rigorous ; conceptual understanding , procedural fluency level of achievement

Assessment

Instruction
Assessment

Introduction

Context for Revision of the NYS Next Generation Mathematics Learning Standards (2017)

Understanding the NYS Next Generation Mathematics Learning Standards (2017)

Round Robin

- [illegible]
- [illegible]
  - [illegible]
  - [illegible]

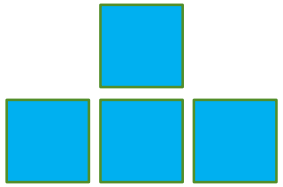
HIGH CEILING

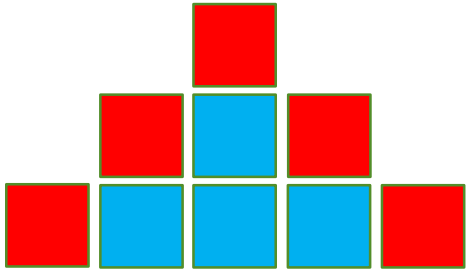
LOW FLOOR

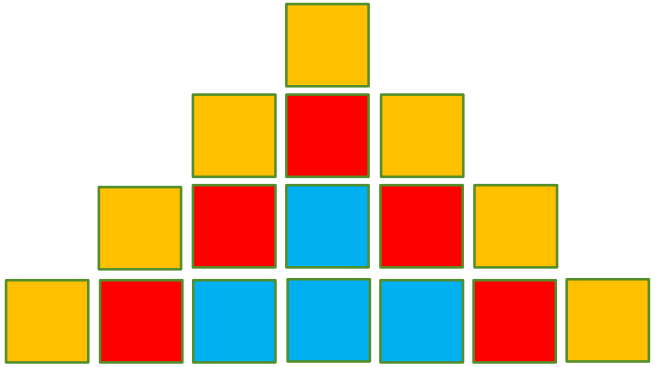
Continuous Round Table

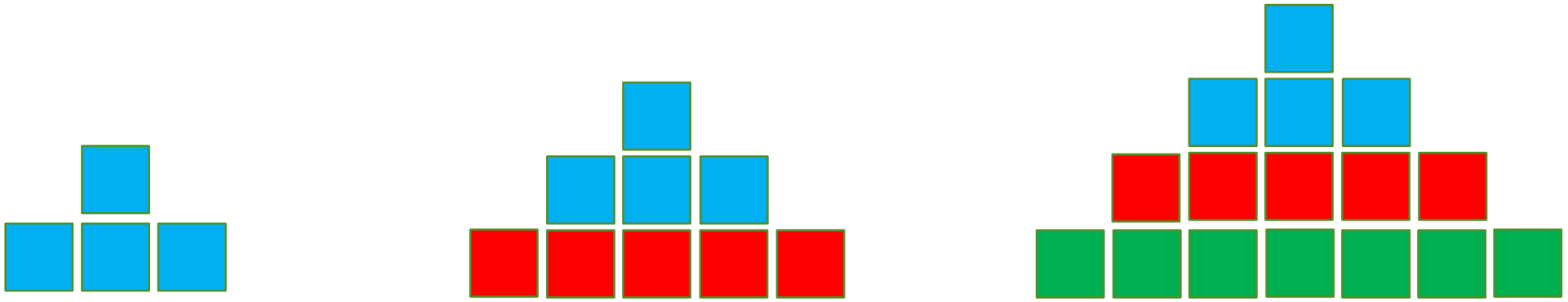
- [illegible]
- [illegible]
- [illegible]
- [illegible]

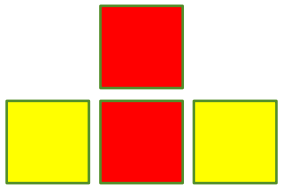
That’s Me!

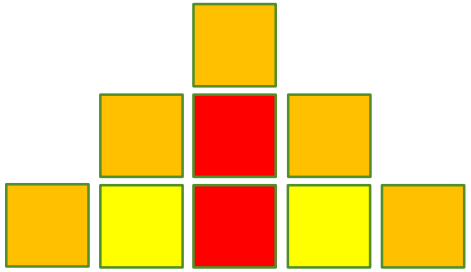


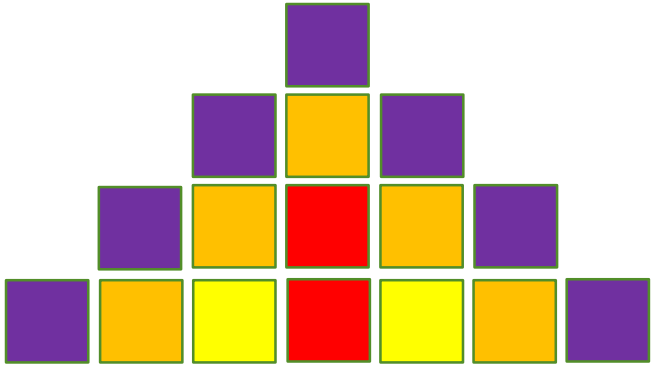


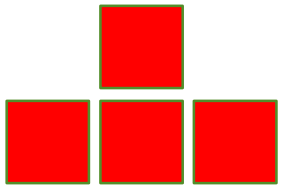


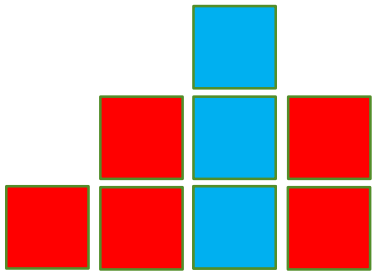


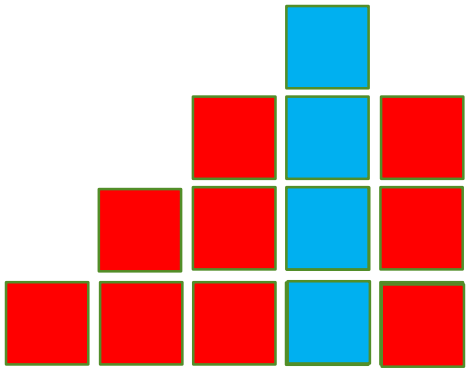


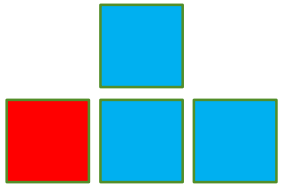


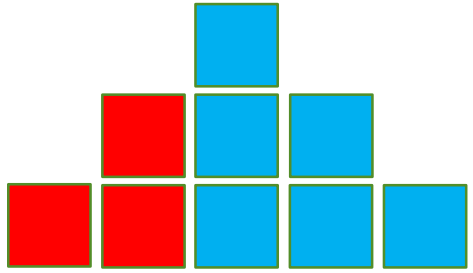


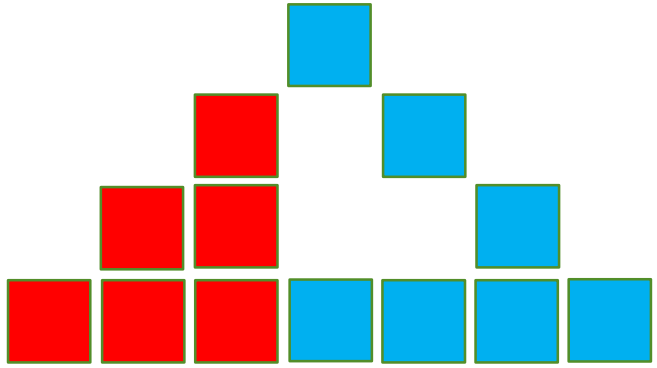




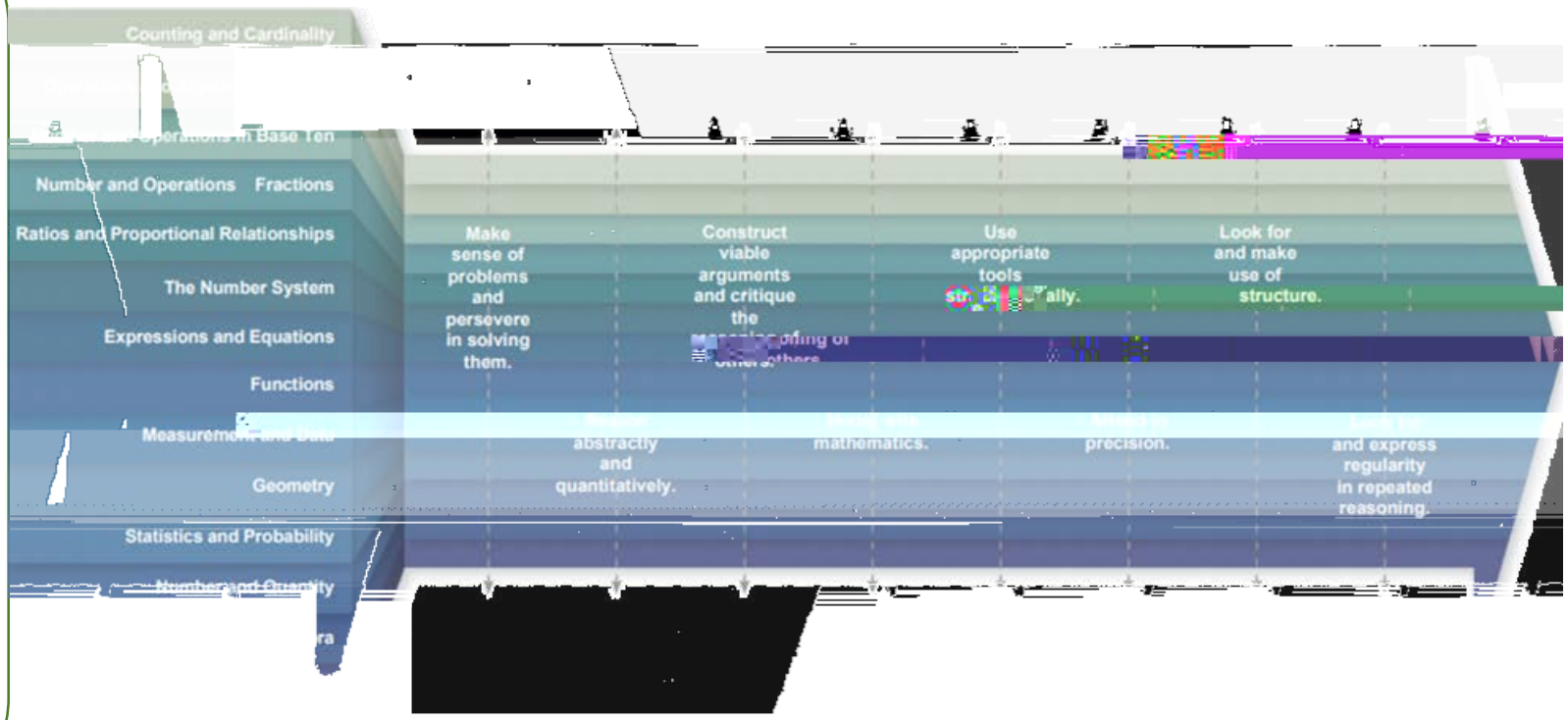


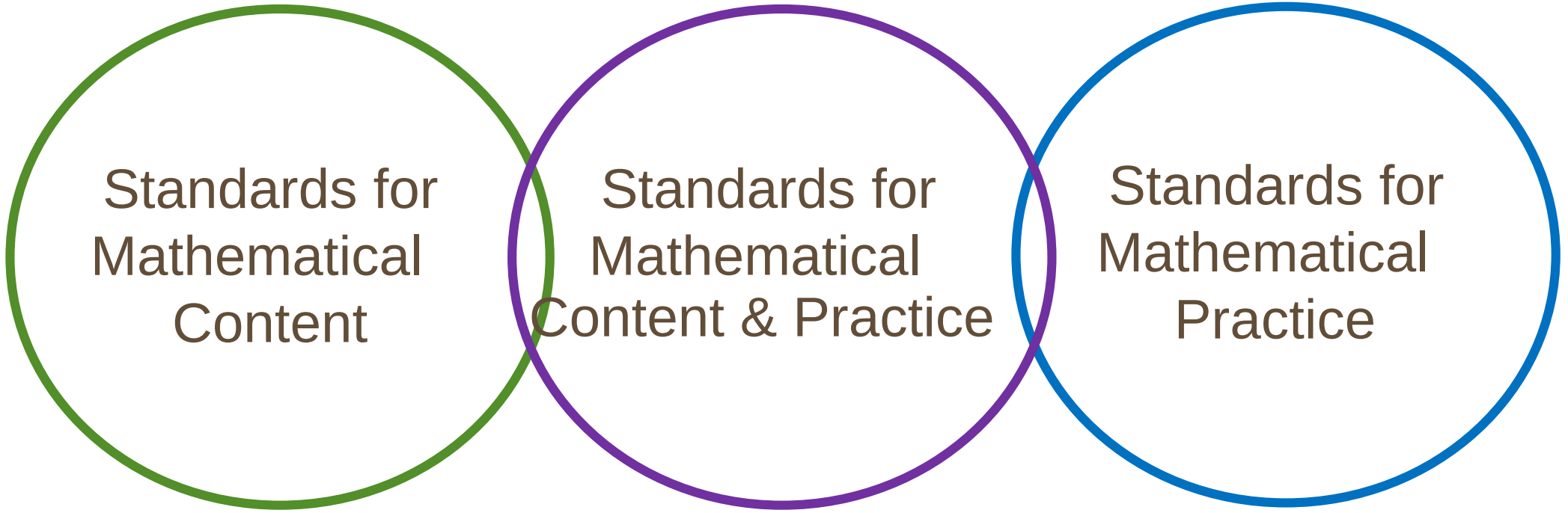






NY-3.OA.9
NY-4.OA.5
NY-5.OA.3
NY-6.EE.1
NY-6.EE.2
NY-6.G.5
AI-F.BF.1a





What are the Standards for Mathematical Practice?

Standards for Mathematical Practice

1. Make sense of problems and persevere in solving them
2. Reason abstractly and quantitatively
3. Construct viable arguments and critique the reasoning of others
4. Model with mathematics
5. Use appropriate tools strategically
6. Attend to precision
7. Look for and make use of structure
8. Look for and express regularity in repeated reasoning

Table Talk

- Eagle
- Atypical

Work as an impactful and motivated data scientist developing technical solutions to complex problems . Analyze data to identify trends and support the development of mission-related analyses, using techniques such as econometrics regression analysis, cluster analysis, Bayesian analysis, discriminant analysis, sentiment analysis, support vector machines, survival analysis, and other modes of machine learning. Contribute to the development of new concepts and experiments, translate these ideas into executable action plans, and communicate these plans to a

https://www.teachingchannel.org/videos/pre-k-math-lesson

[illegible]

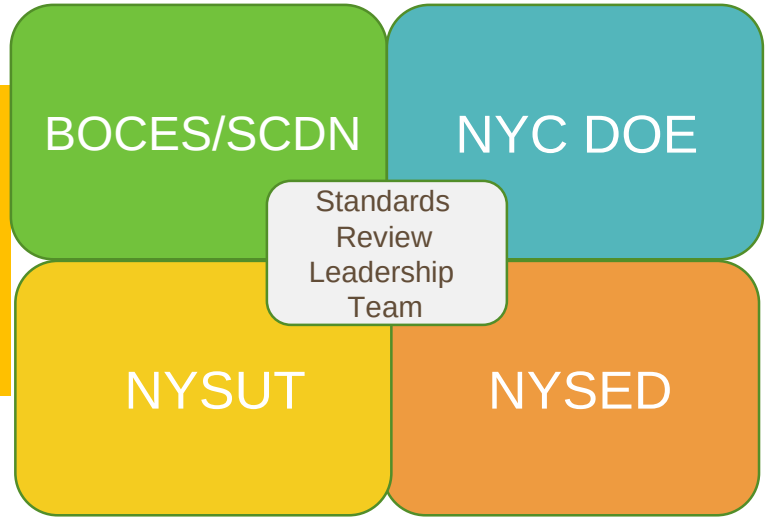
518-474-5922

[illegible]

[illegible]

[illegible]

(BOE)



Grade Band Committees

Facilitator :