

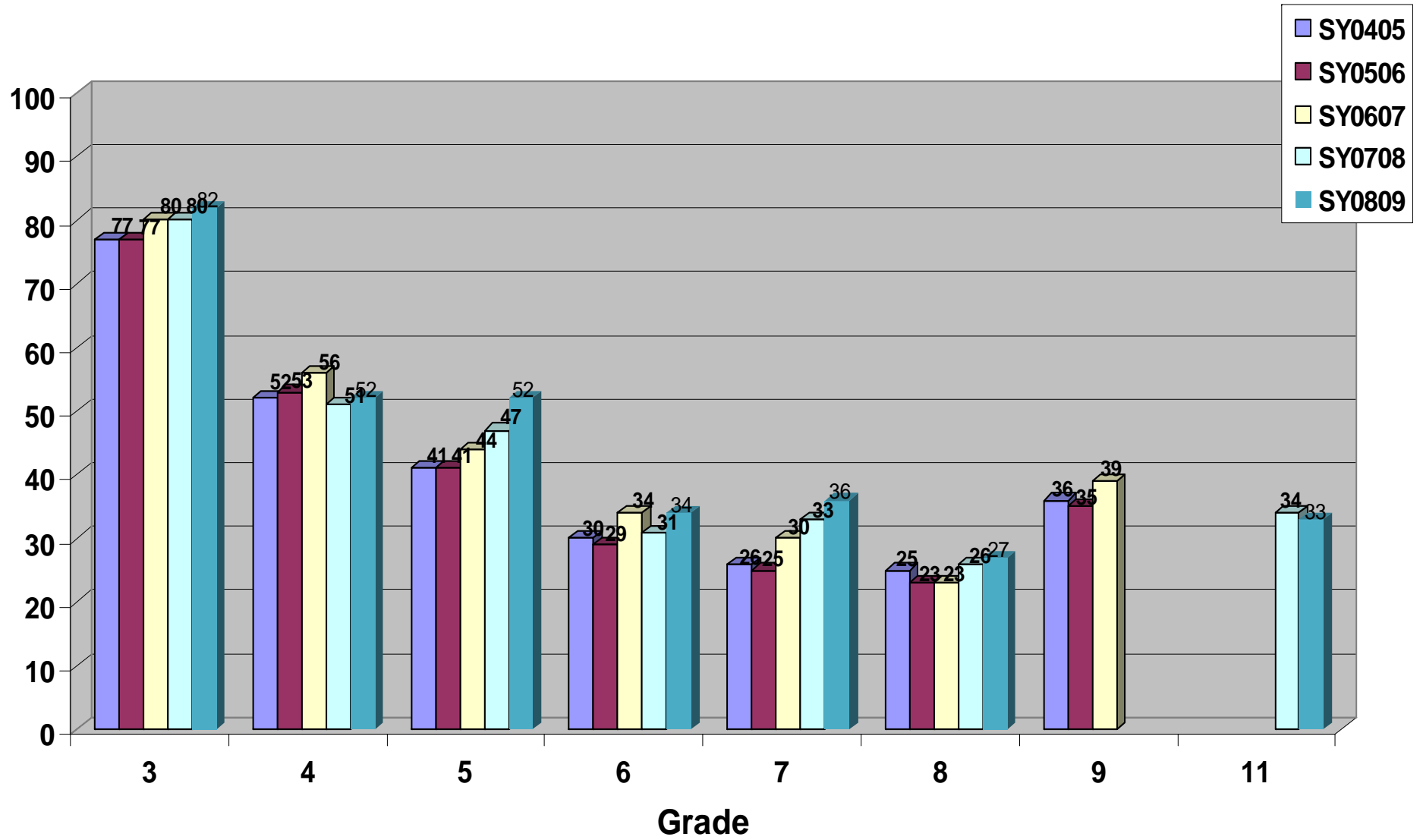
# Science Standards & Assessments—What's New

Mary Jo Daniel, Science Specialist

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Maryjo.daniel@state.nm.us

# % At or Above Proficient NMSBA Science



# Revising Standards

- Overwhelming response—no!
  - Current standards are highly rated nationally
  - Teachers are familiar with current standards
  - National Standards likely in next few years  
[www7.nationalacademies.org/bose/Science\\_Standards\\_Framework\\_Homepage.htm](http://www7.nationalacademies.org/bose/Science_Standards_Framework_Homepage.htm)
- Possible corrections of minor errors

# Status of Science SBA

- Continued in grades 3-8 and 11
- New contract with Measured Progress
  - 80/20 Multiple choice/constructed response
- Working to develop new blueprint for 2011

# What's a Blueprint?

- Provides the overall structure for the science portion of the Standards Based Assessment (SBA)
- Determines the number and type of items for each Reporting Category

# Why Revise the Current Blueprint?

- Federally required “Peer Review” found problems with the current design:
  - Categorical concurrence requires at least 6 items per reporting category; we currently have only 4 at every grade level
  - Weakness in Depth of Knowledge (DOK) consistency at grades 7, 8 & 11
  - Weakness in Balance of Representation

# Proposed Grade 3

Reporting Category	Standards Included	Number of Standards	Number of Items
1 Nature of Science	Str 1, BM I-II	7	8
2 Nature of Science	Str 1, BM III Str 3, BM I	7	7
3 Physical Science	Str II, CS 1, BM I-III	10	10
4 Life Science	Str II, CS 2, BM I-III	8	10
5 Earth Science	Str II, CS 3, BM I-II	9	10

Total Items 45

# Proposed Grade 4

Reporting Category	Standards Included	Number of Standards	Number of Items
1 Nature of Science	Str 1, BM I-II	7	8
2 Nature of Science	Str 1, BM III Str 3, BM I	7	8
3 Physical Science	Str II, CS 1, BM I-III	11	10
4 Life Science	Str II, CS 2, BM I-III	10	10
5 Earth Science	Str II, CS 3, BM I-II	6	10

Total Items 46

# Proposed Grade 5

Reporting Category	Standards Included	Number of Standards	Number of Items
1 Nature of Science	Str 1, BM I-II	6	8
2 Nature of Science	Str 1, BM III Str 3, BM I	7	8
3 Physical Science	Str II, CS 1, BM I-III	15	12
4 Life Science	Str II, CS 2, BM I-III	10	11
5 Earth Science	Str II, CS 3, BM I-II	7	8

Total Items 47

# Proposed Grade 6

Reporting Category	Standards Included	Number of Standards	Number of Items
1 Nature of Science	Str 1, BM I-II	5	8
2 Nature of Science	Str 1, BM III Str 3, BM I	5	8
3 Physical Science	Str II, CS 1, BM I-III	10	8
4 Life Science	Str II, CS 2, BM I-III	7	8
5 Earth Science	Str II, CS 3, BM I	4	8
6 Earth Science	Str II, CS 3, BM II	8	8

Total Items 48

# Proposed Grade 7

Reporting Category	Standards Included	Number of Standards	Number of Items
1 Nature of Science	Str 1, BM I-III	8	12
2 Physical and Earth Science	Str II, CS 1, BM I-III Str II, CS 3, BM I-II	12	12
3 Life Science	Str II, CS 2, BM I	7	8
4 Life Science	Str II, CS 2, BM II	13	8
5 Life Science	Str II, CS 2, BM III Str 3, BM I	9	8

Total Items 48

# Proposed Grade 8

Reporting Category	Standards Included	Number of Standards	Number of Items
1 Nature of Science	Str 1, BM I-III Str 3, BM I	12	14
2 Physical Science	Str II, CS 1, BM I	10	8
3 Physical Science	Str II, CS 1, BM II	6	8
4 Physical Science	Str II, CS 1, BM III	8	8
5 Life and Earth Science	Str II, CS 2, BM I-III Str II, CS 3, BM I-II	14	10

Total Items 48

# Proposed Grade 11

Reporting Category	Standards Included	Number of Standards	Number of Items
1 Nature of Science	Str 1, BM I-III	17	10
2 Physical Science	Str II, CS 1, BM I-III	38	19
3 Life Science	Str II, CS 2, BM I-III	29	15
4 Earth Science	Str II, CS 3, BM I-II	19	10
5 Science and Society Science	Str 3, BM I	19	10

Total Items 64

# Additional Comments

Mary Jo Daniel

[Maryjo.daniel@state.nm.us](mailto:Maryjo.daniel@state.nm.us)

505.476.1882

[www.ped.state.nm.us/MathScience/index.html](http://www.ped.state.nm.us/MathScience/index.html)