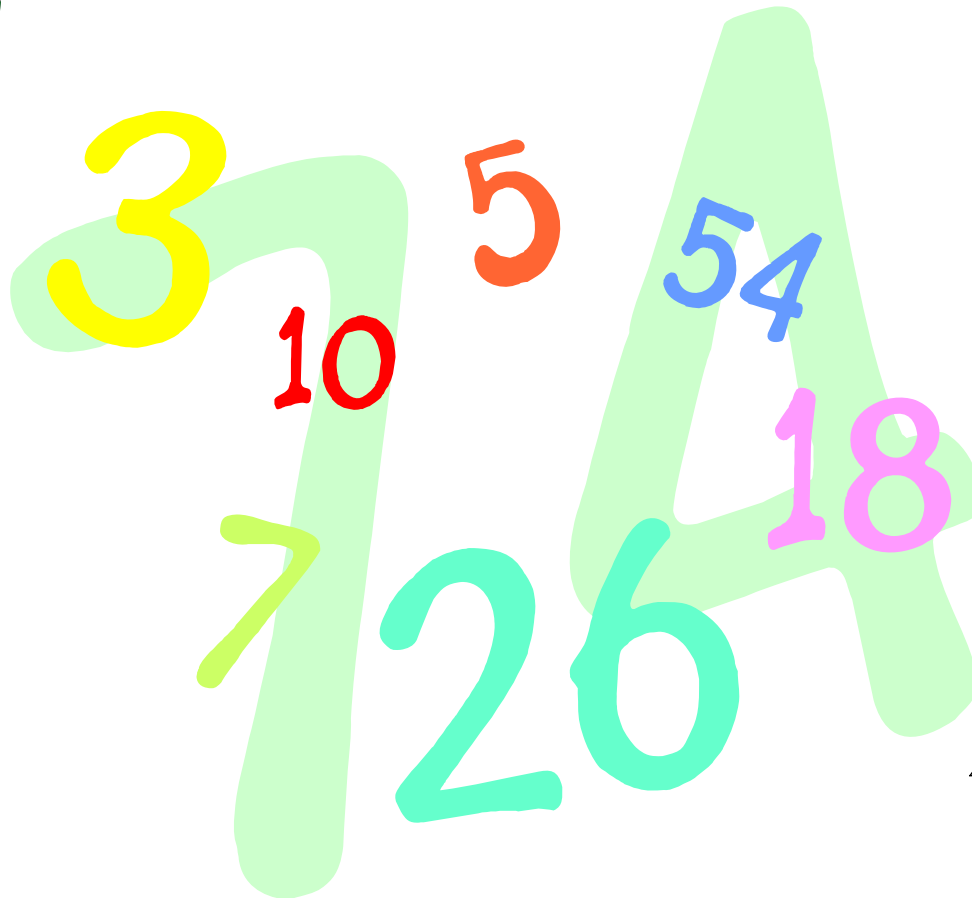
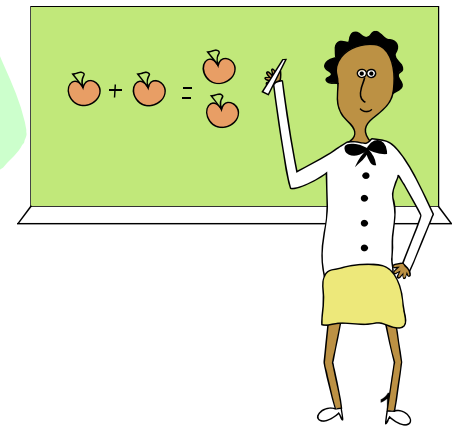
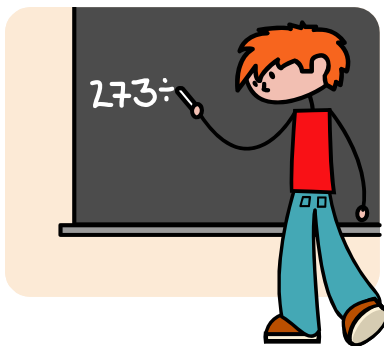
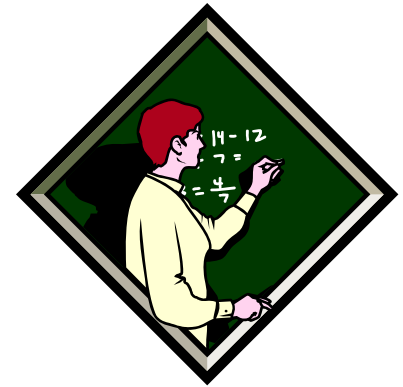
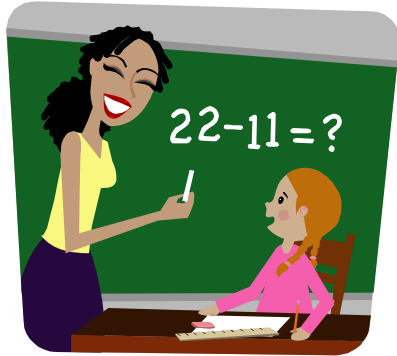


MATH WORK STUDY

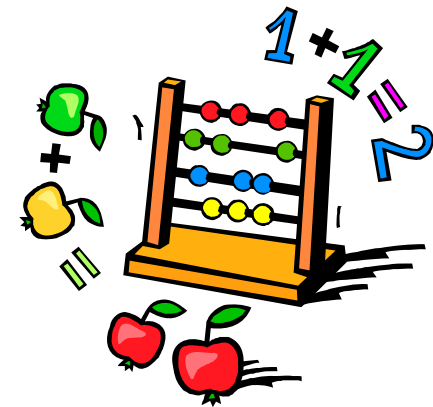
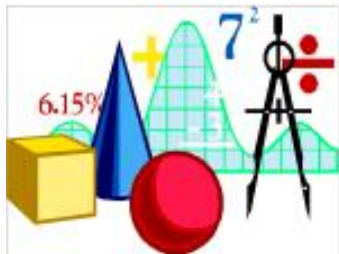
January 31, 2008



Math Curriculum Specialists

Kelly Davis

Elementary Math and Science Specialist



Susan Fischbein

Secondary Math Specialist

Where Have We Been?

- 2000-2001 New State HS Math Requirements
- 2001-2002 Implemented Pre-Algebra in 8th grade
- 2002-2003 Approval of New Math Instructional Materials K-12
- 2003-2004 Rewrote Math Curriculum and Assessments, and Implemented New Instructional Materials Aligned to New State Math Curricula

Continued

- 2004-2005 Implemented Math Placement Matrix to Provide Consistent Math Placement
- 2005-2006 Galileo Quarterly Math Benchmarks Administered
- 2006-2007 Middle School Math Certification Required

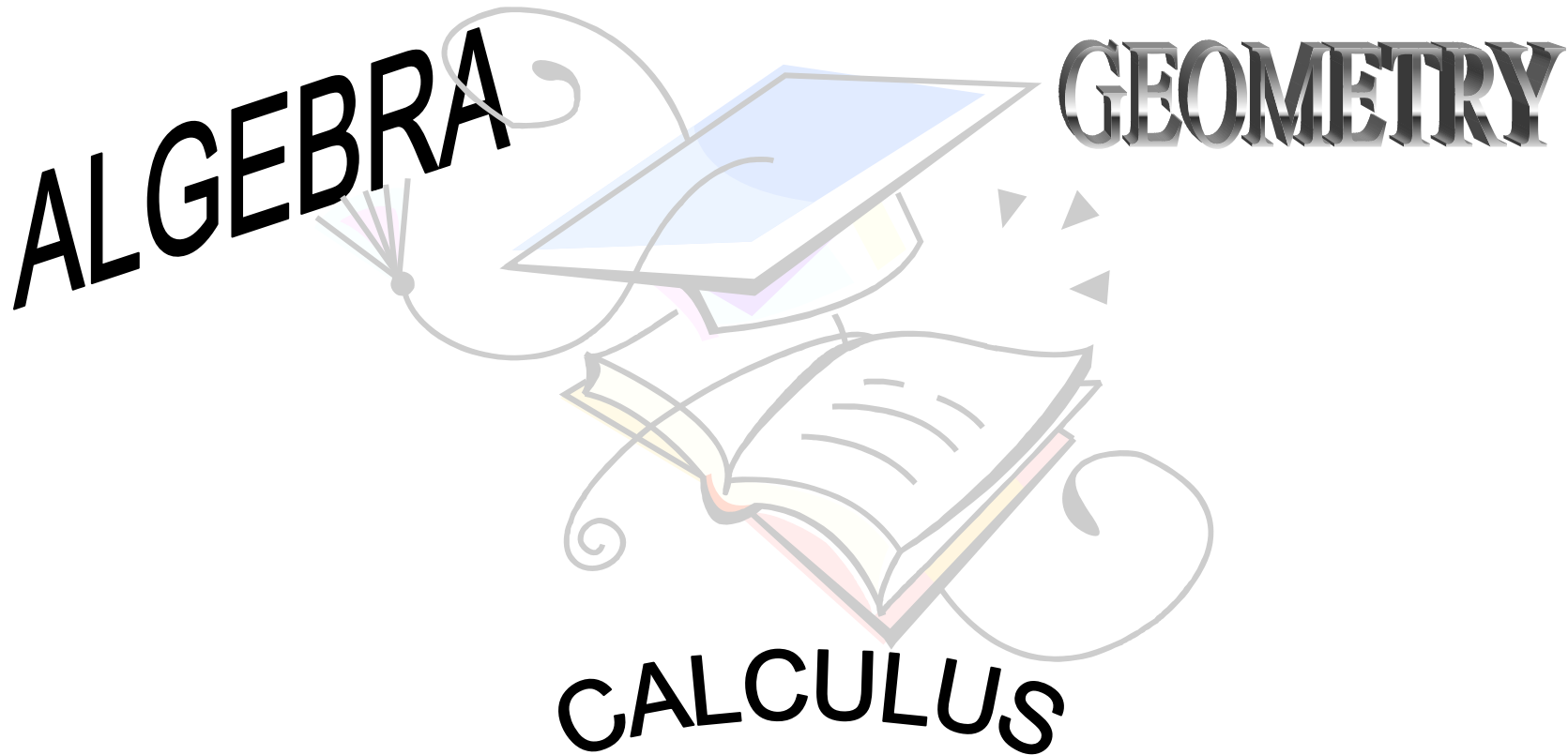
Where Are We Today in 07-08?

- New State HS Graduation Requirements in Math Beginning in 2009
- Awaiting Algebra II Curriculum & Adjustments to all Math Curriculum & Assessments from the State
- Review of HS Math Courses & Professional Development Occurring in Collaboration with NVEC School Districts

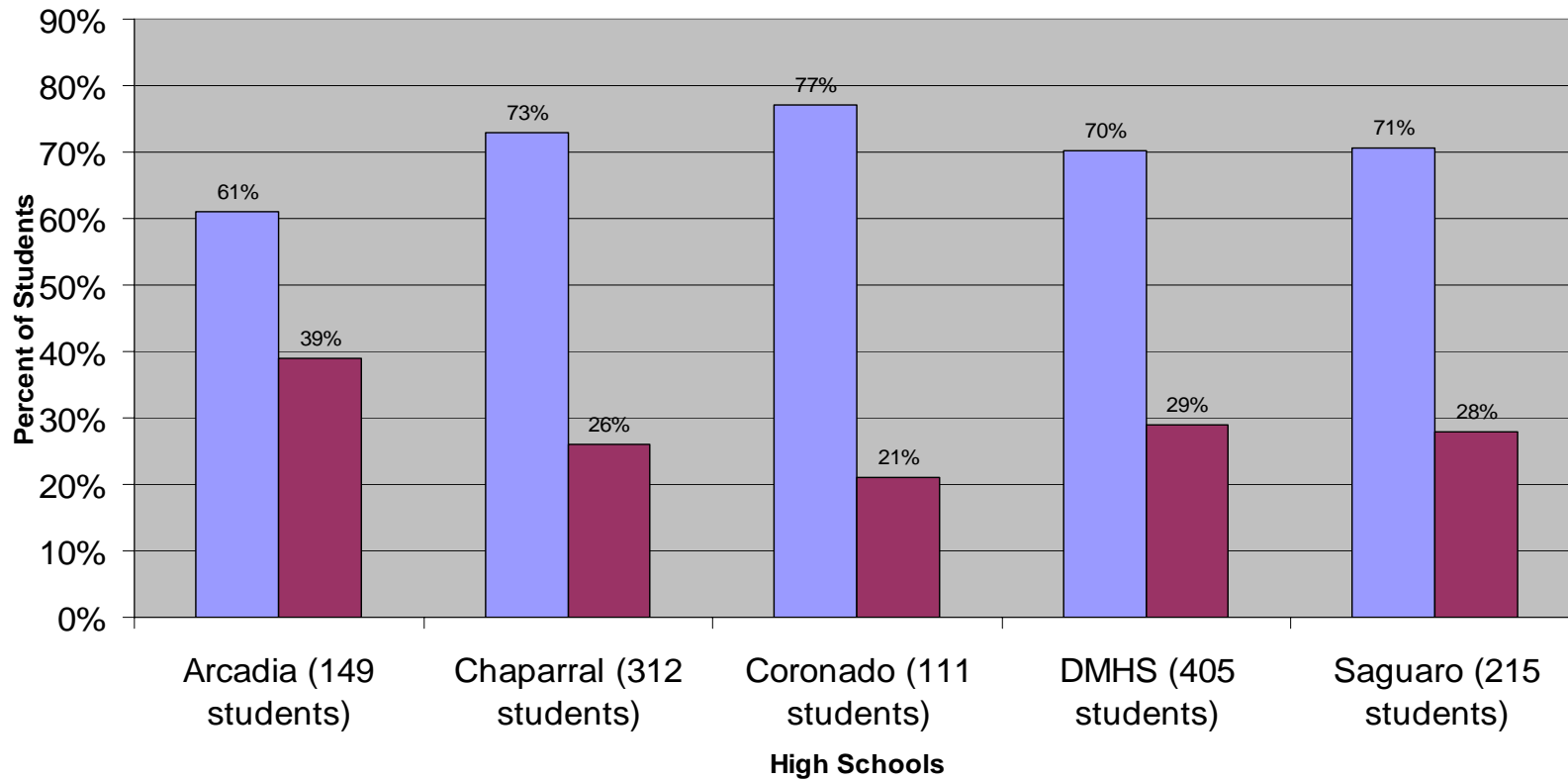
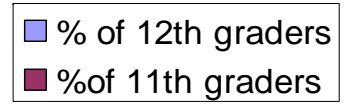
Math Program Enhancements

- 2008-2009 Mathematics Curriculum Review Begins for Curriculum Alignment to State Standards; Implement New Courses; Algebra III Name Change to College Algebra
- 2009-2010 Begin the Mathematics Adoption (either elementary or secondary levels); Continued Curriculum Review for 2010-2011 Adoption
- 2010-2011 Begin the Mathematics Adoption (either elementary or secondary levels)

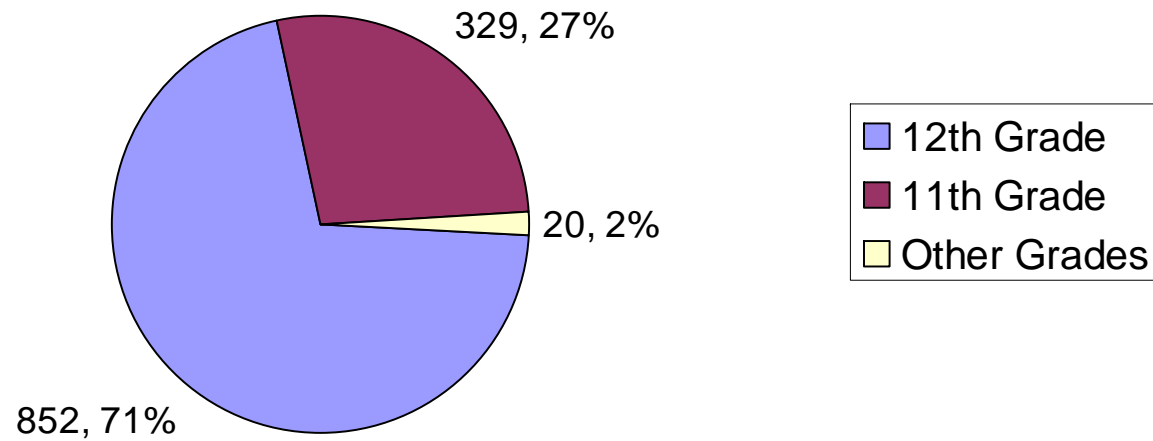
Course Sequences



Students in 4th Year of Math 2007-2008 (after taking Algebra II in 2006-2007)

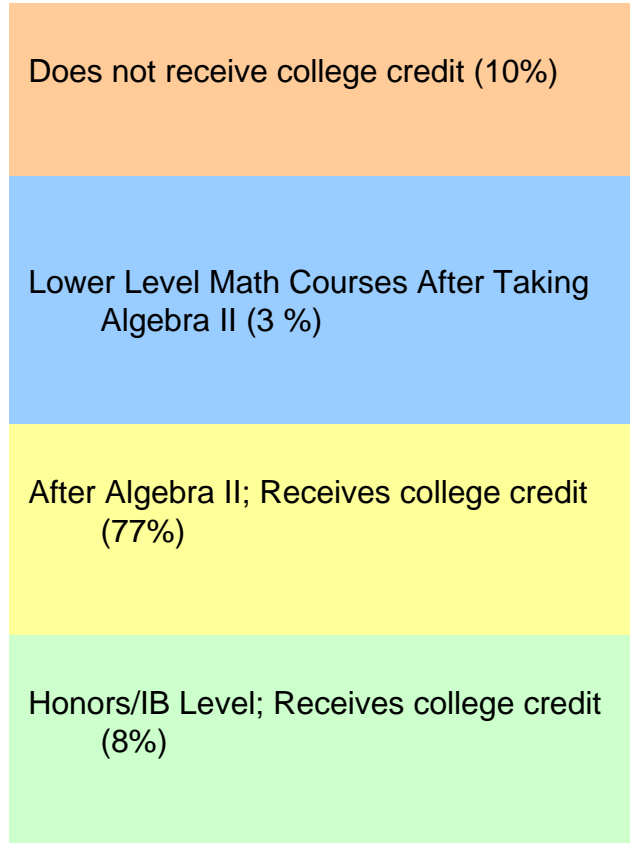


Students Enrolled in Alg II (06-07) & Enrolled in 4th Year of Math (07-08)
1201 Total Population of Students



Next Course For Students After Algebra II

Courses	Total HS Students	% of Math Pop.
Algebra Basics	0	0%
Geometry Basics	1	0%
AIMS Math	2	0%
AIMS Standards	3	0%
Business Math	131	10%
Geometry	6	0%
Algebra II	40	3%
Algebra II Honors	1	0%
Trig/Pre-Calc	482	40%
College Algebra	442	37%
Finite Math	0	0%
Trig/Pre-Calc Honors	29	3%
AP Statistics	39	3%
Brief Calculus	1	0%
AP Calculus AB	2	0%
AP Calculus BC	1	0%
IB SL Math	19	2%
IB HL Math	2	0%



Total Number of Students = 1201

New Course Offerings

- Consistent HS Registration Sheets Offering All Math Courses At All High Schools.
- College Prep Courses After Algebra II.
- Quantitative Literacy; Probability & Statistics (1 sem); Trigonometry (1 sem).
- Additional Math Opportunities After Algebra II.

Algebra I in MS for HS Credit

- Compacting Middle School Math Curriculum at 6th and 7th Grades.
- Consistent Practices & Expectations in MS and in HS Algebra I Courses.
- Comprehensive Algebra I Test Given to MS Algebra I Students Seeking HS credit.
- Common Professional Development Opportunities and Articulation Meetings Focused on Rigor, Relevance, and Relationships.

Algebra I in MS

Current Expectations:

- Same Texts & Resources.
- Same Midterm & Final Exams.
- Take Algebra Into Honors (AIH) test to determine if ready for higher-level abstract reasoning necessary for success in Geometry/Trig Honors. Based on the Math Matrix information, students may be placed in Geometry or Geometry/Trig Honors.

Mathematics Resources & Technology

- Resources available in our math programs that address differentiation and special needs of students.
- Technology resources needed to enhance mathematics instruction at all levels.

HS Math Department Chairpersons

Arcadia HS: Karen Tipsword

Chaparral HS: Beatrice Cohen

Coronado HS: Dr. Peter Hayes

Desert Mtn. HS: Cathy Sherry

Saguaro HS: Chris Pavlovic

Dream for Mathematics Professional Development

- Math Literacy Training Plan similar to our current Literacy Training model for Language Arts teachers.
- Continued Math Camp Workshops.
- Continued Math Articulations Pre-K through Grade 12.

Continued

- Adding Kagan Cooperative Learning for Secondary Math Teachers; Differentiating Instruction; Increasing Engagement in the Classroom.
- Alignment to the SUSD Comprehensive Professional Development Plan.
- Want to make all our math classes and math teachers the best they can be!

Thank you!