

**Single Plan for Student Achievement
Mathematics Department Tasks
2009-2015**

Goal A: Diversity and choice

To acknowledge and honor the diversity of the Gunn community and provide students with effective choices.

- A1. Explore introduction of new courses and programs based on student needs.
- *Investigate developing a new Computer Science class that is more accessible to more students.*
 - *Explore the possibility of the International Baccalaureate program at Gunn and the way it would impact currently existing Advanced Placement Math offerings.*
 - *Explore the possibility of a new non-AP senior level math class that would be an alternative to existing senior level math classes.*
 - *Continue to advertise the Problem Solving class so that there is sufficient enrollment for the class to be offered.*
- A2. Provide support for students to be successful in existing and new programs.
- *Continue to re-evaluate and refine the Algebra 1 course and work with the Special Education and Focus on Success teachers to make certain that students receive the help needed for their success in Algebra 1.*
 - *Investigate ways in which math "study skills" can be incorporated into 9th and 10th grade classes.*
- A3. Involve and educate parents of students needing support.
- *Continue the use of In Class for reporting student homework and grades.*
 - *Investigate additional ways of involving the parents of those students needing support.*

Goal B: Instructional practices

To maintain and encourage instructional practices that ensure student success.

- B1. Encourage teacher collaboration and sharing of best practices.
- *Continue the high level of collaboration in developing daily lessons and writing common assessment.*
 - *Continue collaboration to ensure consistency amongst different periods of the same course and alignment between courses in the same pathway.*
 - *Investigate the development of a math department database for test questions, useful websites, and possible projects.*
 - *Strive to incorporate the discussion of professional development topics during department meetings.*

B2: Increase variety of instructional techniques.

- *Continue to identify useful math websites and how to incorporate these websites into lessons.*
- *Continue to learn how to best use the Smart Board, table PC, and other technologies to enhance learning.*

Goal C: Community and communication

To maintain a sense of community by streamlining communications, facilitating transitions, and reaching out to those not yet connected.

C1: Streamline communication with students, parents, faculty and community

- *Revisit the math department website and look for possible improvements.*
- *Continue to use InClass for posting of homework and grades and investigate other ways it can be used to contact parents.*

C2: Improve transitions from middle to high school, between grades in high school, and post high school.

- *Increase articulation with our two feeder middle school and the other high school in the district.*
- *Continue having 8th grade math teachers responsible for the 9th grade course recommendation.*

C3: Maintain a sense of community and connections for students, teachers and parents as Gunn grows.

C4: Improve delivery of counseling and college/career services

- *Investigate a time-friendly way to test students new to our school from outside of our district and work with the counselors in making a proper math placement.*

Goal D: Excellence with growth

To maintain academic excellence and a sense of community during a period of growth.

D1: Work with DLM architects and DO to develop a site plan using bond money that will better meet Gunn's needs.

D2: As we continue to grow, we will maintain a sense of community and connectedness.

- *(See C3).*

D3: Attract, retain and develop highly qualified staff to main academic excellence and support new and existing programs.

- *Continue collaboration between newly hired and experienced teachers*
- *Strive to limit the number of preps at two for all teachers.*

Goal E: Student performance and assessment

To use data to inform instruction and improve student performance.

E1: Use data more effectively.

- *Strive towards having all teachers trained on Cruncher.*

E2: Provide multiple pathways for students to demonstrate content mastery in all subjects and to reflect on their growth and progress as learners.

- *Investigate opportunities for non-textbook problems and/or projects, some of which will connect math to other disciplines.*