

Bayside Academy

K-5 STEAM / 6-8 STEM



STEM Parent Tour

December 9, 2016

Agenda

8:30 am – 9:00 am – Parent Presentation

9:00 am – 9:40 am – Campus Tour

9:40 am – 10:00 am – Questions



STEAM/STEM Merger Update

Bayside Academy will be *One School* with *Two Interconnected Programs*

Parkside STEAM program (K-5) will be joining us on the West side of campus

Bayside STEM program (6-8) will continue to be a fully functional middle school



STEM Student Population

2016-2017

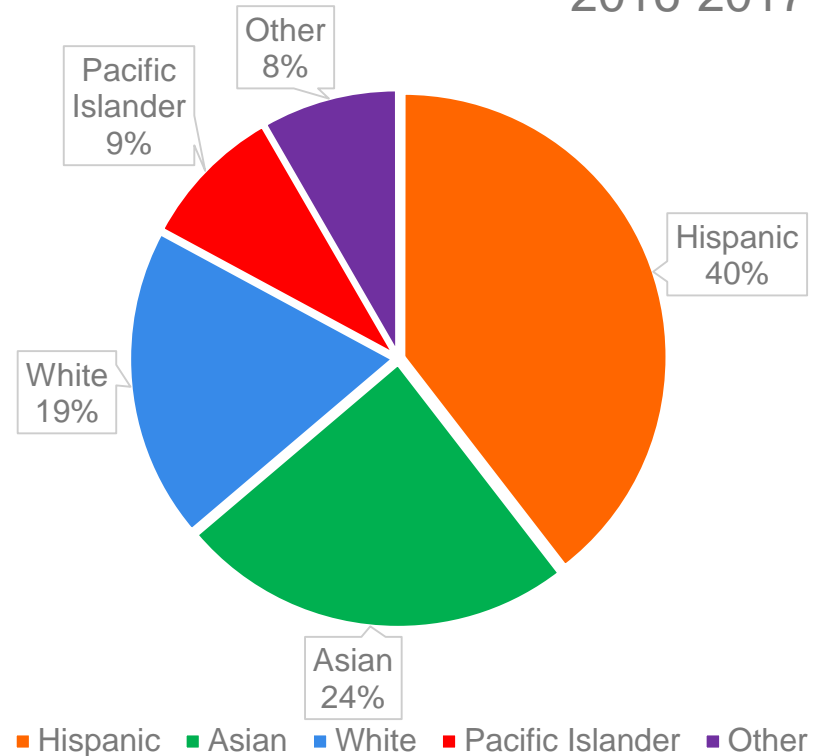
2016 – 2017 Total Enrollment = 660 Students

337 Females, 323 Males

6th Grade: 222 Students

7th Grade: 220 Students

8th Grade: 218 Students



Our Staff

Mr. John Cosmos, Principal

Mrs. Megan Gurka, Assistant Principal

Ms. Maria Valencia, Dean/Outreach

Ms. Lauren Alexander, Counselor

Mr. Steven Chang, Counselor



Mission Statement

The mission of the school is to provide a rigorous academic program and to develop accomplished life-long learners, critical thinkers, problem solvers and effective communicators. We provide contextualized opportunities for students to practice design thinking and to increase intellectual capacity, self esteem, and social consciousness.

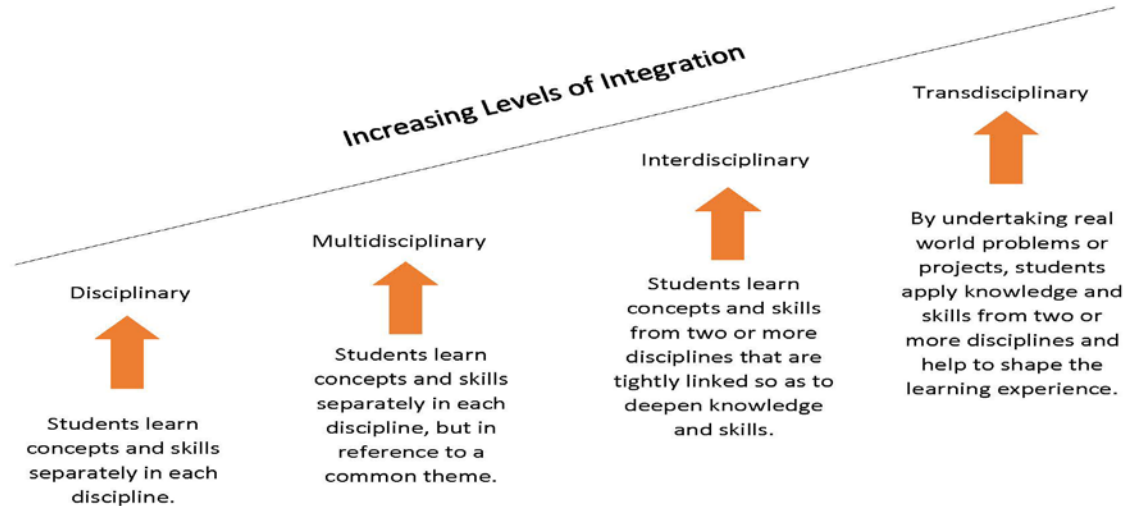
Bayside Academy...

Where STEM and Design Thinking Meet!



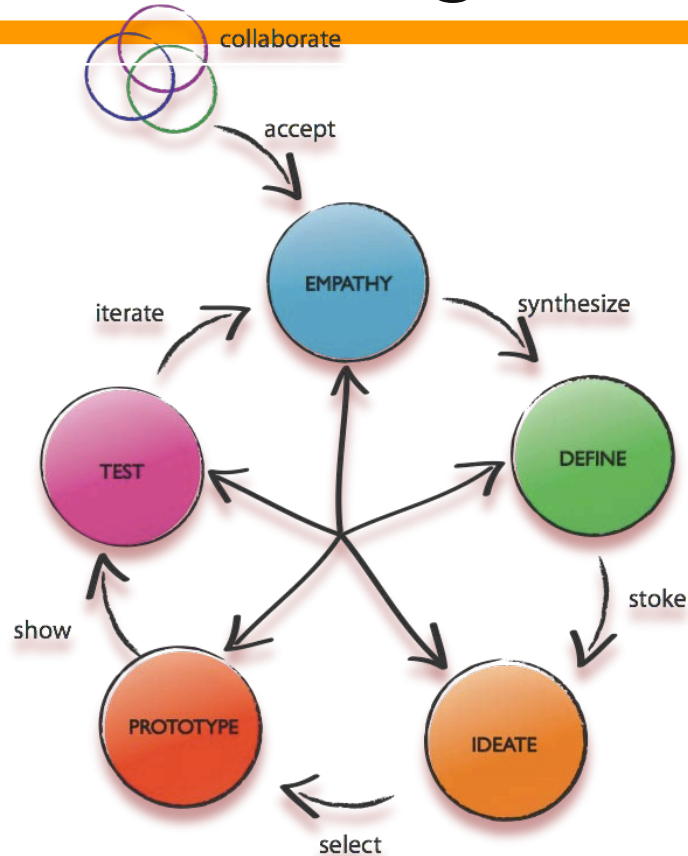
STEM Integration

The Inclined Plane of STEM Integration



Source: From *STEM Lesson Essentials, Grades 3-8: Integrating Science, Technology, Engineering, and Mathematics* (p.73), by Jo Anne Vasquez, Cary Snieder, and Michael Comer, 2013. New York: Heinemann. Copyright 2013 by authors, Reprinted with permission.

Design Thinking



California Content Standards

All students at Bayside learn Math and Language Arts through the new State Adopted, high quality, California Content Standards.

- Common Core Math and ELA Standards
- Next Generation Science Standards
- New ELA/ELD Framework
- New Social Studies Framework

These learning goals outline what a student should know and be able to do at the end of each grade.

CAASPP Test Results

SBAC ELA						
Grade	# of Students	Standard Not Met	Standard Nearly Met	Standard Met	Standard Exceeded	No Scores
6th	225	49	37	56	83	0
		22%	16%	25%	37%	0%
7th	221	44	47	64	66	0
		20%	21%	29%	30%	0%
8th	189	56	44	56	32	1
		30%	23%	30%	17%	0%
All Grades	635	149	128	176	181	1
		23%	20%	28%	29%	0%
SBAC MATH						
Grade	# of Students	Standard Not Met	Standard Nearly Met	Standard Met	Standard Exceeded	No Scores
6th	225	64	49	31	81	0
		28%	22%	14%	36%	0%
7th	221	63	47	36	75	0
		29%	21%	16%	34%	0%
8th	189	67	51	35	36	0
		35%	27%	19%	19%	0%
All Grades	635	194	147	102	192	0
		31%	23%	16%	30%	0%

Diverse Student Needs

At Bayside, *ALL* of our students are STEM students.

However, we also have a variety of special populations with varying needs:

- English Learners
- Special Education
- GATE (Gifted and Talented Education)
- Mandarin Magnet

We work together to meet the needs of *ALL* students.

Enrichment Opportunities

CLUBS: Lunchtime and after school

Examples include: Art, STEM, Yearbook, Math Circles, Sci Fi, Anime and Drawing, Tutoring, Sewing, Mandarin, Drumline, Service Learning, etc.

SPORTS: After school

Fall: Volleyball, Cross Country, Flag Football

Winter: 7/8 Basketball

Spring: 6th Basketball, Track and Field, Soccer, Tennis

School Climate

At Bayside, we expect **ALL** students to be:

RESPECTFUL

RESPONSIBLE

SAFE



Restorative Practices

Goal : To develop community and to manage conflict and tensions by repairing harm and restoring relationships

Proactive: Classroom community circles

Reactive: Self reflection after infraction



Communication

Schoolloop: Online gradebook, accessible for students and parents

Website: bayside.smfcsd.net

E-Blast: Emailed home every Friday

School Messenger: Automated phone message system



Parent/Community Role

- Attend Conferences, Back-To-School Night, Open House, etc.
- Contribute time/resources
- Participate in PTSA, Site Council, ELAC, Latinos Unidos, etc.
- Field trips
- Clubs
- Be a part of our community!!!

Student Schedule

All students take 7 classes

6th & 7th grade: ELA, Literature, Social Studies, Math, P.E., Science, Elective

8th grade: ELA, Social Studies, Math, P.E., Science, Elective 1, Elective 2

Student Schedule - Math

Most students in 6th grade take 6th Grade Math using the rigorous Common Core State Standards.

However...

Some students qualify for the compacted pathway which includes a rich diversity of students.

Invitations to the compacted pathways are based on a series of District criteria.

Electives

6th Grade Wheel

- Robotics, Coding, Maker, 3-D Printing
- Design Thinking Foundations

OR

- Beginning Band, Strings, or Chorus
- Support Classes for math

7 and 8th Electives

- Maker, 3D, and Robotics
- Marine Biology
- Wheel: Aeronautics, Biotech, Astronomy
- Band, Orchestra, Chorus
- Support Classes for math

How do I apply for STEM at Bayside?

1. All students need to register at their home school. Home school letters were sent out on **December 7th**.
2. Once the transfer window opens on **January 17th**, you will apply for a transfer to Bayside Academy in the STEM program.
3. Transfer window closes on **February 10th**.
4. Approval letters are emailed home **March 10th**.
5. Once you have approval, you come to Bayside to sign the MOU and complete registration.

Tour

Split into 4 tour groups

