



Hands on Opportunities at MHS

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Hello!

I am Robert Jung

A bit about me...

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Why Hands on Experiences?

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Hands on experiences offers:

- Mimics projects and activities that make the learning real for students
- Better insight for the student to understand what jobs and careers are like on a day to day basis, not necessarily a glorified picture of what it could be
- Real world applicability, job skills

Overview of MHS Opportunities

MHS Opportunities - 3 years

- Academies
 - Digital Business Academy
 - Engineering Tech Academy
 - Travel & Tourism Academy
- Three year, focused school within MHS on specific area
- Smaller group of students that stays together for 3 years, so opportunities to build longer relationships
- Teachers are the same throughout the 3 years
- Opportunities for job preparation, field trips, internships, etc.

DBA

Students are able to engage in elective courses that are focused on skills for Digital Businesses such as web design, web programming, as well as career readiness skills like interviewing, dress for success, having a portfolio of projects. Opportunities to visit colleges, jobs shadowing and mentoring provide students key insights to the world of work

<https://sites.google.com/musd.org/digitalbusinessacademy/home>

Last year, had 21 students participate in an Oath internship.

Etech

Students are able to engage in elective courses that are focused on exploring the careers in Engineering, such as Exploring Engineering and Technology as well as career readiness skills like computer aided design, 3D printing, robotics, etc. Opportunities to visit colleges, jobs shadowing and mentoring provide students key insights to the world of work

<https://sites.google.com/a/musd.org/etechacademy/>

Travel and Tourism

Students are able to engage in elective courses that are focused on exploring the careers in the Travel and Tourism industry, such as Hospitality Marketing and Sustainable Tourism and Event Planning. Opportunities to visit colleges, businesses, jobs shadowing and mentoring provide students key insights to the world of work



MHS Opportunities - 2 years

- Pathways
 - Biotech Pathway
 - Teaching Pathway / Middle College

Pathways offers juniors the opportunity to explore a particular area of focus through classes, hands-on work, clubs, and tours.

Middle college will offer dual enrollment, allowing students earn college credit while in high school to accelerate their college experience to their teaching career.

Biotechnology Pathway

2 year pathway to explore the biotechnology field. There will be hands on projects and experiences for students to get an in depth view of the field. This will expand the concepts learned in Biology and Chemistry to applications such as DNA analysis, cell cloning, technical writing, etc.



Teaching Pathway - Middle College

Brand New pathway to start in Fall 2019, for students interested in teaching. For 11th graders, two year program.

Interested students will be enrolled in MHS, taking core courses and SJCC Middle College, taking courses to earn an AA degree. This then prepares them to go to partner universities to complete their degree and teaching credential.

Offers students workshops, internships, and opportunities to get hands on experiences to validate their teaching interest.

Program will be run by MUSD, housed at SJCC.

Interested students should let their counselors know, and be on the lookout for information sessions.

MHS Opportunities - 1 year

- Career Technical Education
 - SVCTE

<http://www.metroed.net/svcte/>



SVCTE offers juniors and seniors hands on experiences in 24 courses ranging from animation, medical assisting, to cybersecurity. Held at SVCTE, students get to work with students across the south bay to learn key job skills.

MHS Opportunities - 1 year

- Student experience
- <https://www.youtube.com/embed/gwtEbWVbl5l?ecver=1>
- *Animation*
- *Auto Body Refinishing*
- *Auto Body Repair*
- *Automotive Services*
- *Construction Technology*
- *Culinary Arts*
- *Cybersecurity*
- *Dental Assisting*
- *Electrical Maintenance*
- *Fashion Design & Textile Art*
- *Film & Video Production*
- *Fire Science/First Responder*
- *Forensic Science*
- *Heating, Ventilation, and Air Conditioning (HVAC)*
- *Law Enforcement*
- *Mechatronics Engineering*
- *Medical Assisting*
- *Medical Science/Health Careers*
- *Metals Technology*
- *Mobile App Design & Computer Coding*
- *Pharmacy Technician*
- *Sports Medicine & Kinesiology*
- *Truck Mechanics*
- *Veterinary Science*

Next steps

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- Explore - have students ask questions
- Arrange for tours, talks
 - SVCTE offers tours, and shadowing
- Talk to counselors
 - Valerie Lamb - Academies
- Teaching pathway - let counselors know, or me
- Do it now, as scheduling for next year starts soon.

Contacts:

- **DBA - Andrea Hutchinson**
- **Etech - Brian McGarry**
- **Travel & Tourism - Tricia Brownstein**
- **Biotech Pathway - Roberto Alvelias**
- **Teaching Middle College - TBD,**
- **SVCTE - see website**
- **Robert Jung - rhjung@gmail.com**
- **Make sure to let your counselors know.**



Thanks!

Any questions?

You can find me at rhjung@gmail.com



Credits

Special thanks to all the people who made and released these awesome resources for free:

- Presentation template by [SlidesCarnival](#)
- Photographs by [Unsplash](#)