The Magnet Program @ Skyline

Business, Marketing, Information Technology

BMIT

CMPP

Watch Magnet Promo Video

DT&EP

HM

Skyline

SkylineHealthMedicine.com

The Magnet Program @ Skyline

- thematic focus
- three year course of study
- apply academics to problem solving
- unique learning spaces & equipment
- academic foundation
- real world applications & experiences

The Magnet Program @ Skyline

- Business, Marketing & Information Technology
- Communication, Media & Public Policy
- Design, Technology, Engineering & Programming
- Health & Medicine

The Magnet Program @ Skyline

YEAR	# of Trimesters	FOCUS
1st year	2	Foundational Topics
2nd Year	2	Skill Development
3rd Year	3	Application

BMIT: Business, Marketing & Information Technology

Mr. Shannon
Lead Teacher

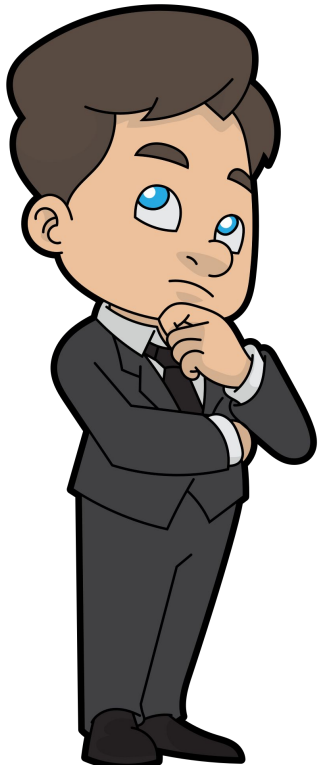
Mr. Jobe
Co-Teacher

WHY BMIT?

- **Skills not just for “business”**
  - Leadership/Networking
  - Presenting/Communication

- **Top jobs**
  - Marketing
  - Technology (Software Development)
  - Self-Employment (Small shops)

- **Entrepreneurship**
  - Create your own career based on your passion and skills



THIS COULD BE YOU!

10th Grade	11th Grade	12th Grade	Electives
Business Principles	Marketing Foundations	Business Capstone- VIRTUAL ENTERPRISES INTERNATIONAL	▪Sports Marketing ▪Web Design ▪Entrepreneurship ▪Business Technology
New Venture Planning	Marketing – School Store	Virtual Enterprise ***Click to play video**	▪School Store ▪Accounting ▪Business Fundamentals

TAKE IT FROM YOUR PEERS…

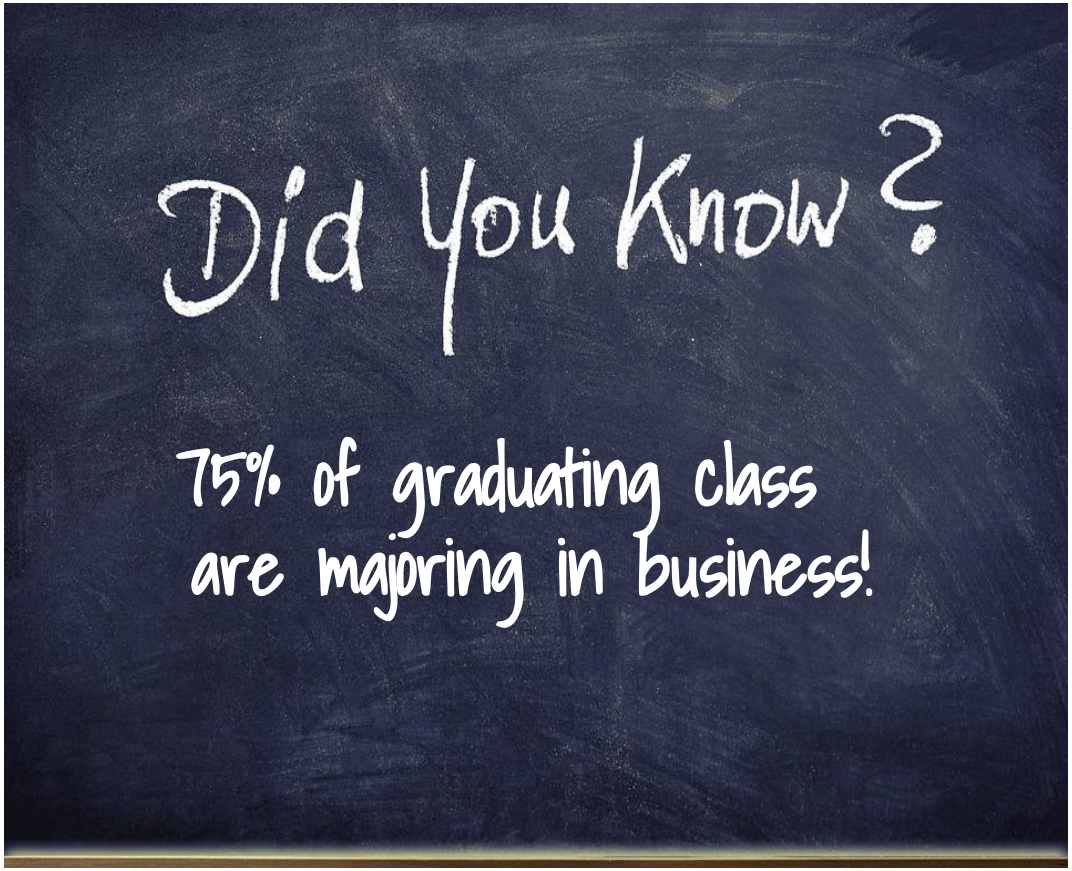
BMIT is the road to business success. Learning, developing ideas, peer interactions, and tons of fun!
-Alissa Chabi, BMIT senior

A very professional environment where students learn all aspects of the business world and are hoping to develop a business based career for their future. – Ben Wegryn, BMIT graduate

BMIT has helped me to realize my creativity and passion. – Nicole Lockhart, BMIT graduate

College Majors…

- Marketing
- Accounting
- Fashion Merchandising
- Finance/Banking
- Sales
- Business Administration
- Management
- Supply Chain
- Human Resources



DECA-Marketing Club

Communication, Media, and Public Policy

Real Problems.
Real Projects.
Real Clients.

Co-Lead Teachers:
Ross Dunbar + Cate McCraw

EXPERIENCES, NOT COURSES

Watch video

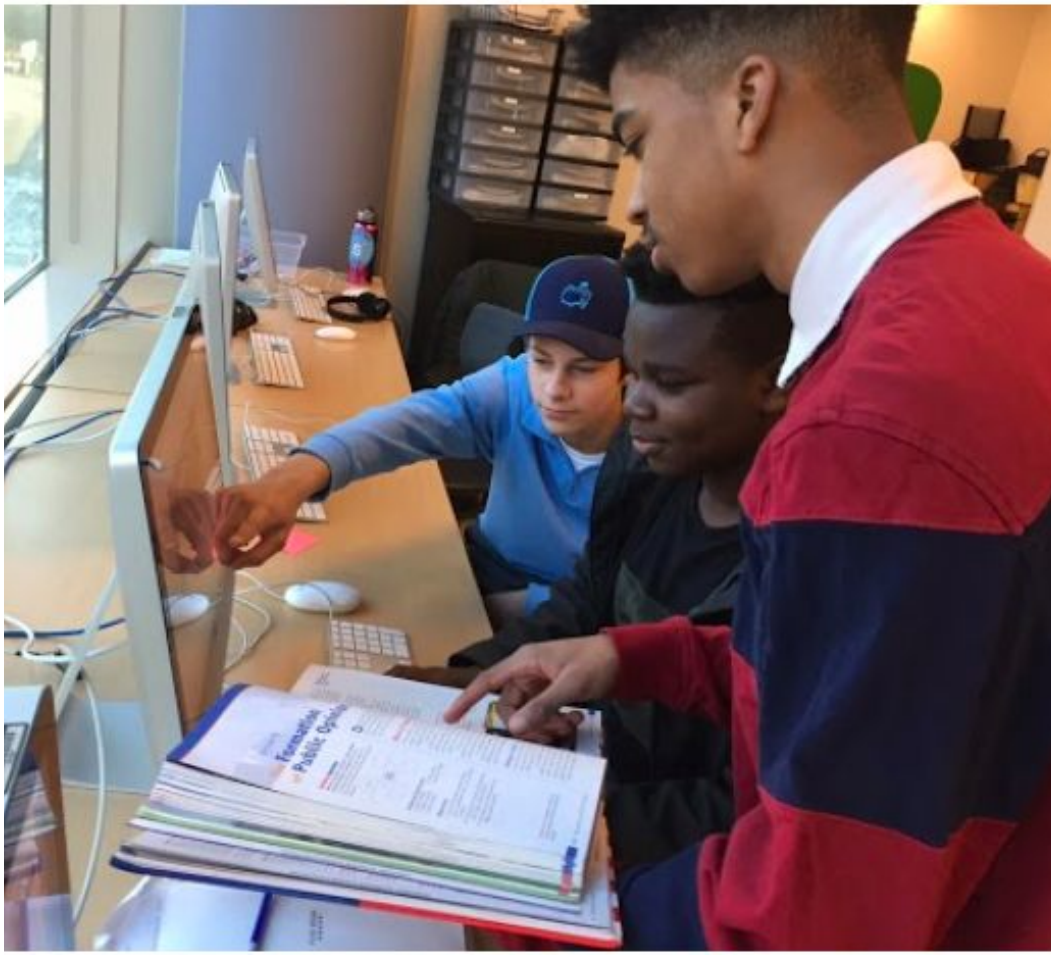
Skyline CMPP is the magnet for students who want to change the world. CMPP empowers you with skills that strengthen your talents, and enables you to choose real projects and clients that you care about. Tackle real problems in "The Think Tank" in 10th grade, produce real projects in "The Digital Studio" in 11th grade, and work with real clients in "The Media Group" in 12th grade. Are you ready to join the CMPP experience and change the world?

10th Grade: Think Tank

1st Tri:
Intro to Public Policy and Video Production

2nd Tri:
Multimedia Production

- Climate change
- Homelessness
- LGBTQ+ equality
- Hunger and food insecurity
- Mental health services
- School safety



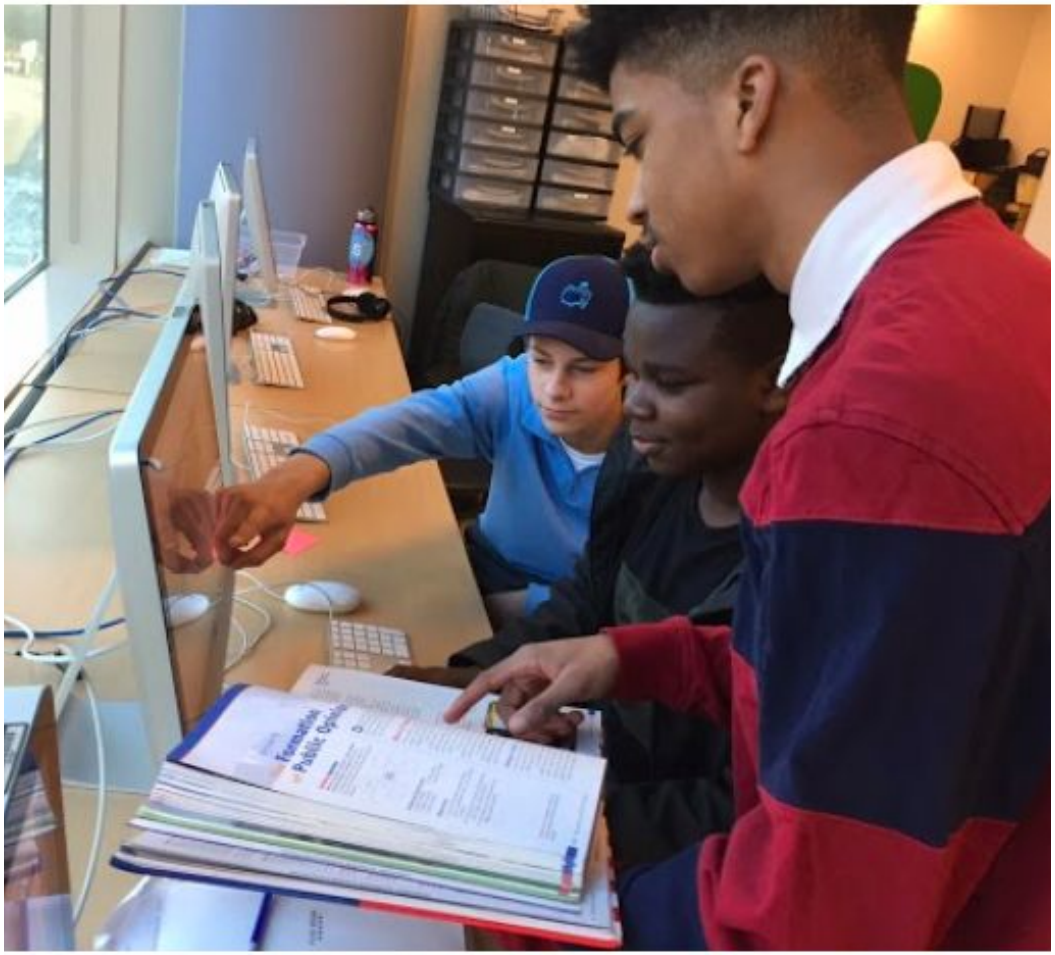
10th Grade: Think Tank

Create digital portfolios to showcase your work:

- Digital videos
- Podcasts
- Infographics
- Policy briefs

Improve your communication skills with:

- Big debates
- Harkness discussions



11th Grade: Digital Studio

1st Tri: Public Policy and the Media
(U.S. Government credit, CMPP style)

3rd Tri: Broadcast Communication
(Legacies Project, CMPP10 Student News)

CMPP

11th Grade: Digital Studio

CMPP students create feature films for the Cinetopia Film Festival!

The Legacies Project

CMPP

12th Grade: Media Group

Courses tri 1, 2, and 3

Full service, student-run digital firm that has worked with >100 clients to create: public service announcements, videos to raise awareness, videos to recruit donors and volunteers, social media strategy, and websites.

SOS
community
services
CTN
CONNECT. CREATE. COMMUNICATE.
ECOLOGYCENTER
Healthy People, Healthy Planet
MENTOR2YOUTH
BRIDGING THE OPPORTUNITY GAP
Our HOUSE
COMMUNITY ACTION NETWORK
can
CHILDREN'S
LITERACY NETWORK
GROWING
HOPE
YpsiWrites
food gatherers
826
michigan
HOPE
CLINIC
CHILD CARE
NETWORK
washtenaw area
council for children
safe kids, sound community
ozone
HOUSE
safe place. real support.

Magnet Course Sequence

Sophomore Year:

- Trimester 1: Introduction to Public Policy
- Trimester 2: Multimedia Production (VPAA: 0.5 credit)

Junior Year:

- Trimester 1: Public Policy & Media (U.S. Government: 0.5 credit)
- Trimester 3: Broadcast Communication

Senior Year:

- Trimester 1: Public Policy Internship (VPAA: 0.5 credit)
- Trimester 2: Digital Media & Effective Communication
- Trimester 3: Public Policy Research

Questions?

Cate McCraw: mccrawc@aaps.k12.mi.us
Ross Dunbar: dunbarr@aaps.k12.mi.us

www.SkylineCMPP.com

Design, Technology, Engineering & Programming

Ms Pool
Mr. Burgireno

Mr Centivany
Ms Schaffer
Mr Campbell

Redesign the world.

DTEP (Design Technology, Engineering, and Programming)

This magnet is for students who are interested in designing our world of tomorrow.

- focus on actualizing new ideas for solving problems into CAD designs and then creating prototypes using advanced manufacturing lab tools such as 3D printers, laser cutters, and CNC routers.

- Coursework is designed to be flexible and include applications into engineering fields such as mechanical, biomedical, environmental, robotics, and beyond.

- Coursework in computer programming and cybersecurity is also encouraged to explore integrations of these emerging technologies.

You might be a DTEP Magnet student if...

DT
&
EP

Let's Kahoot!

DT & EP

DTEP Magnet Courses:

- ED - Engineering & Design
- POE - Principles of Engineering
- CIM - Computer Integrated Manufacturing
- EDD - Engineering Design & Development

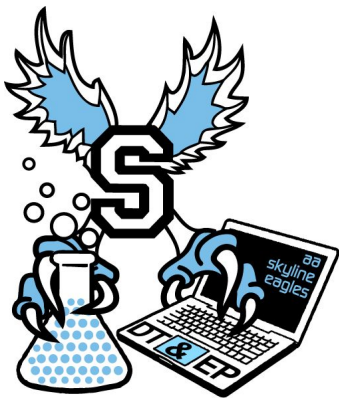
Imagination, innovation & learning.

Build a DTEP Magnet Pathway to fit your individual needs:

- Intro Courses: ED - Engineering & Design or CSP - Computer Science Principles

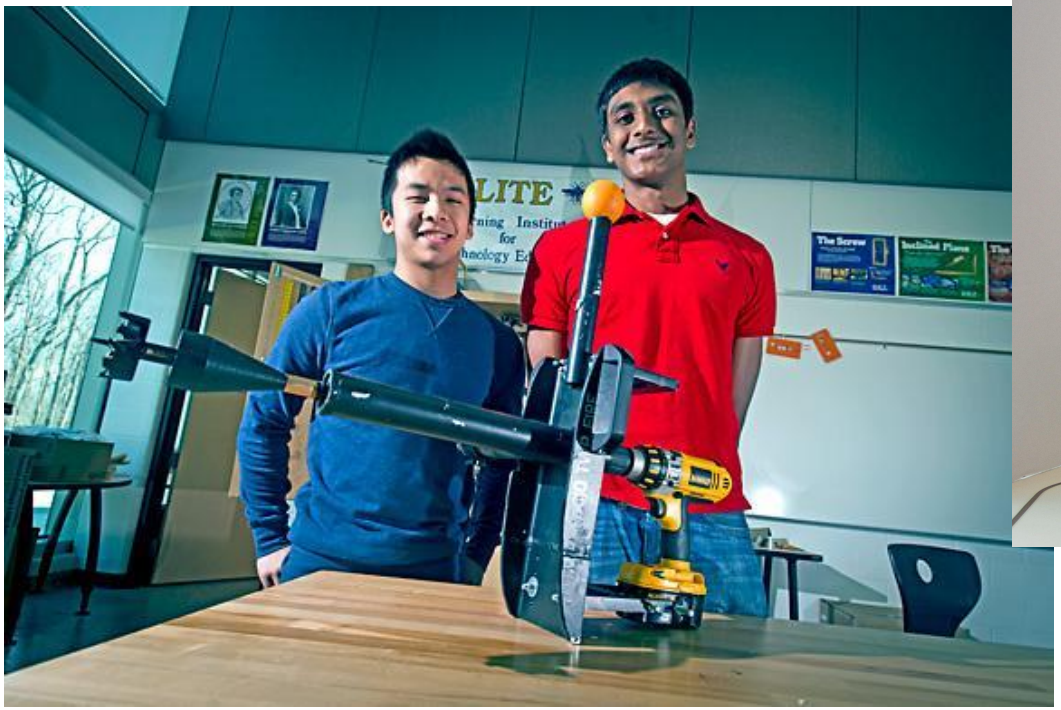
- Advanced coursework: POE, CIM, AP CSA, Cybersecurity, Biomedical science, APES, Autotech, Homebuilding, Aerospace….

- EDD - Senior Capstone Experience



An Example Capstone Project

***Problem**: Firefighters have to enter burning buildings to extinguish fires.*



***Solution**: The Extinbreacher*

Stratasys Certification

SWABT:

- ❑ Operate and Maintain A variety of Stratasys Printers
- ❑ Employ Best Practices for Model Design and Tech Implementation
- ❑ Understand, Communicate, and Engage in a variety of emerging technologies
- ❑ Exhibit Marketable skills

Stratasys is the #1 name, worldwide, in 3D printing. It is used across all sorts of industries (GM & Toyota,just to name a few local examples). **Students will earn certification in CIM- Computer Integrated Manufacturing.*

We now have the J55 resin printer, which uses inkjet technology and UV light to create fully realized color models, and can exhibit flexibility, texture, and ultra high resolution.

This is House. One of these has a door. I made the walls angled so that solar panels could rest on the ceiling, and I like the aesthetic. I wanted a very open, modern feel to this room.

Create games in CSP using Python

Courtesy of

Noah Axinn

Design, Technology Engineering & Programming

Redesign the world.

Dusti Vincent, Lead
vincentd@aaps.k12.mi.us

Allyson Sovis, Co-teacher
sovisa@aaps.k12.mi.us

PROJECT LEAD THE WAY
PLTW

H M
Skyline

SkylineHealthMedicine.com

@SkylineHM

Health & Medicine Magnet

A. GUEVARA

Do you know who this is?

“Now more than ever we need your talent, your energy, your resolve and your character.”
--Dr. Anthony Fauci

Programs

- Principles of Biomedical Science I & II (10th grade)
- Human Body Systems I & II (11th grade)
- Medical Interventions I & II (12th grade)
- Biomedical Innovations & Capstone Project (12th grade)

Electives:

- Science of Wellness (Health Ambassador Program & Project Healthy Schools)
- Epidemiology
- Anatomy & Physiology
- Principles of Biomedical Science (9th grade only)
- Health & Public Policy

Principles of Biomedical Science (PBS)

Students explore concepts of biology and medicine to determine factors that led to the death of a fictional person.

*Students may take this course in 9th grade as an elective

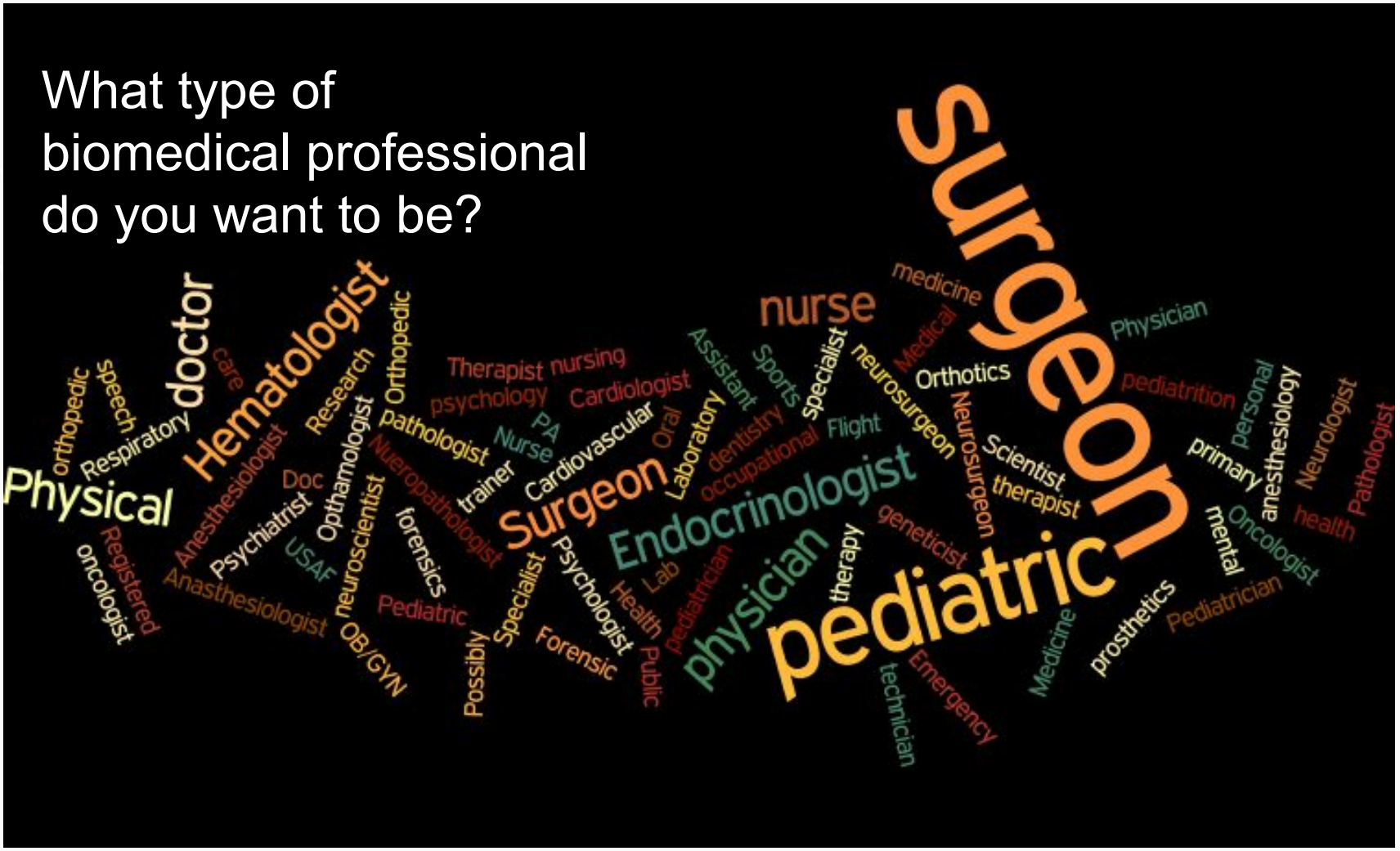
Human Body Systems (HBS)

Through projects such as determining the identity of a skeleton using both forensic anthropology and DNA analysis, students examine the interactions of human body systems and apply what they know to solve real-world medical cases.

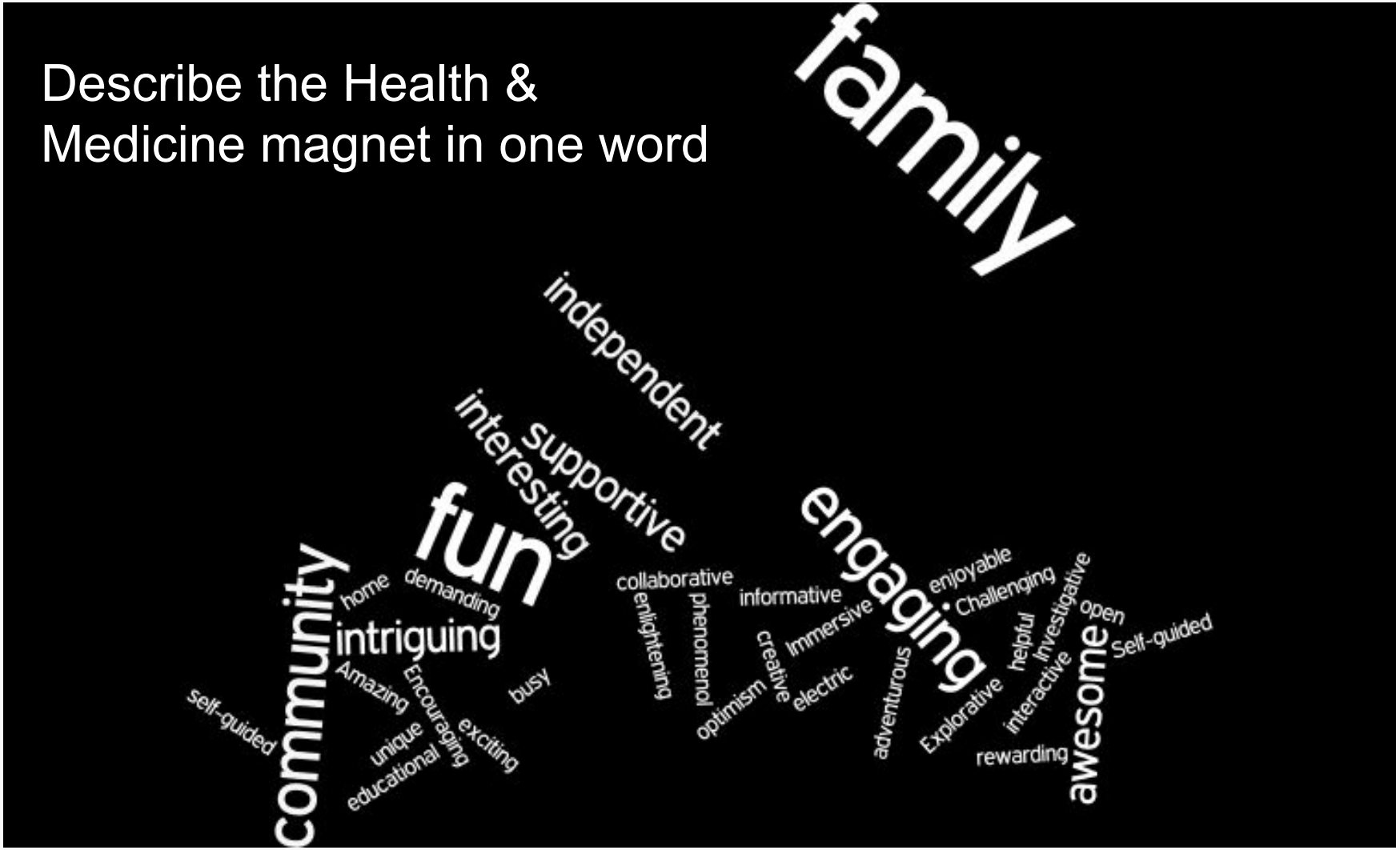
Medical Interventions & Biomedical Innovations (MI & BI)

Students follow the life of a fictitious family and investigate how to prevent, diagnose, and treat disease.
Students build on the knowledge and skills gained from previous courses to design their own innovative solutions for the most pressing health challenges of the 21st century.

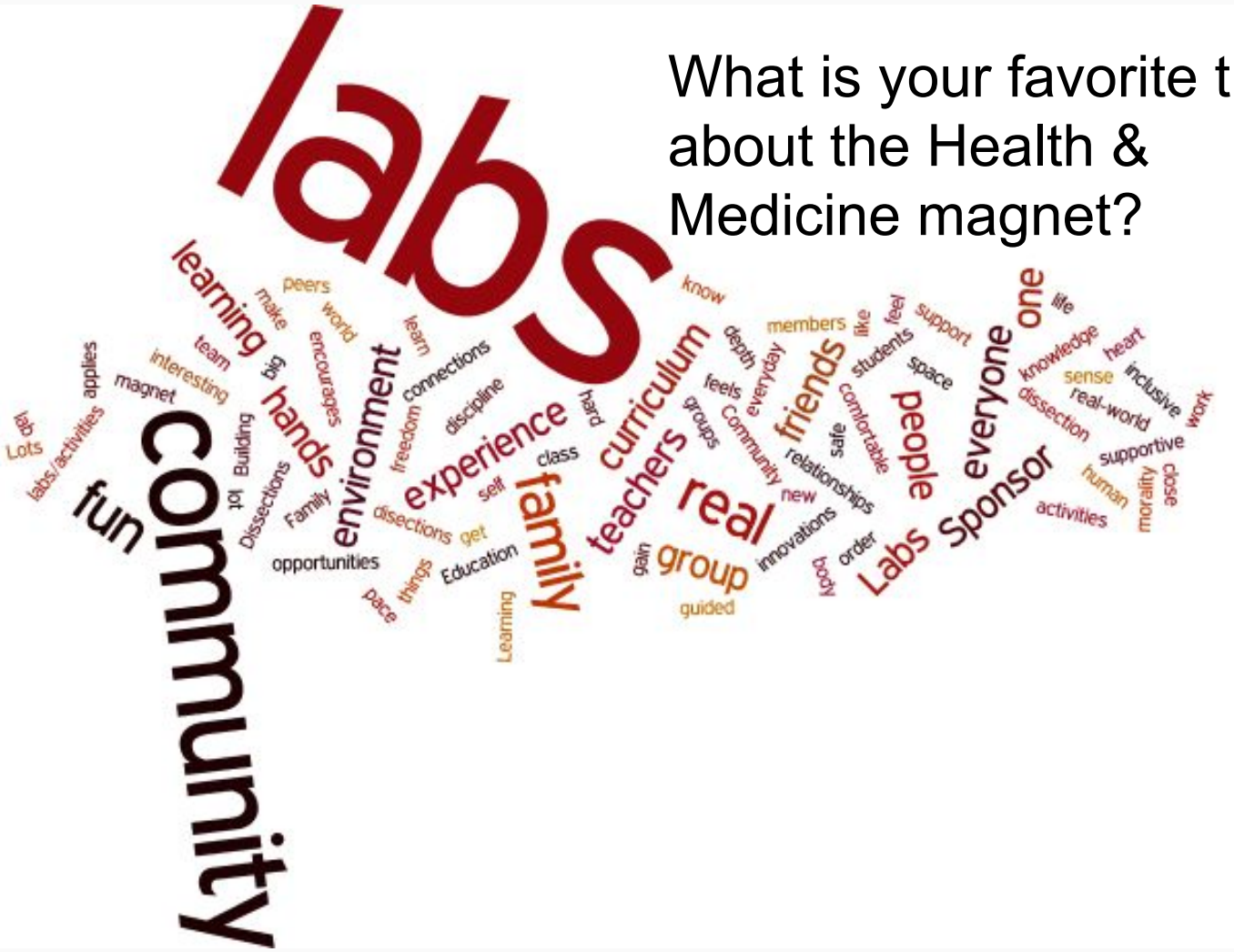
What type of biomedical professional do you want to be?



Describe the Health &
Medicine magnet in one word



What is your favorite thing about the Health & Medicine magnet?



What advice or support would you give to new H&M students?

- “Don’t procrastinate” “Stay organized”
- “Be as involved as you can, you will get the most out of it”
- “The teachers are always there to help you”
- “Plan out your work and don't think you can just wing the test...you have to study!”
- “Be prepared to work hard and be challenged”
- “Be responsible for your own timeliness”
- “The workload is very manageable as long as you are organized.”

Want to save the world?

Apply to the H&M magnet!

Dr. Joseph Varon hugs and comforts a patient in the COVID-19 intensive care unit (ICU) during Thanksgiving at the United Memorial Medical Center on November 26 in Houston, Texas. *Go Nakamura, Getty Images*

Dusti Vincent, Lead
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Allyson Sovis, Coteacher
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Magnet Application Process

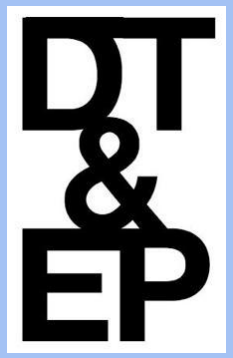
- Applications open Thurs. 1/13 online at:

  bit.ly/magnetapp2022

- Due Date: by 3:00 p.m. on Friday, January 21

- For more information on the magnet program:
  - –Go to the Skyline homepage
  - –Visit Magnet Program website

Magnet Program @ Skyline



APPLICATIONS DUE by 3:00 p.m. on Friday, January 21:

bit.ly/magnetapp2022