

Saint Joseph Academy

Grades 10-12

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Saint Joseph Academy High School

- Cleveland, OH
- Founded in 1890
- 725 students
- Only all-girls, private, Catholic high school in the city of Cleveland
- Students from 46 different zip codes



Saint Joseph Academy



We're not just an all-girls school ~ we're an *all kinds* of girls school.



Health Sciences Honors Program Mission Statement

- Prepare young women for a life of compassionate leadership and service in a health profession through an academic program based on a rigorous course of study and meaningful experiential learning.



Appreciative Inquiry Process

“Thinking Big”
- ideas from
“all adult community”

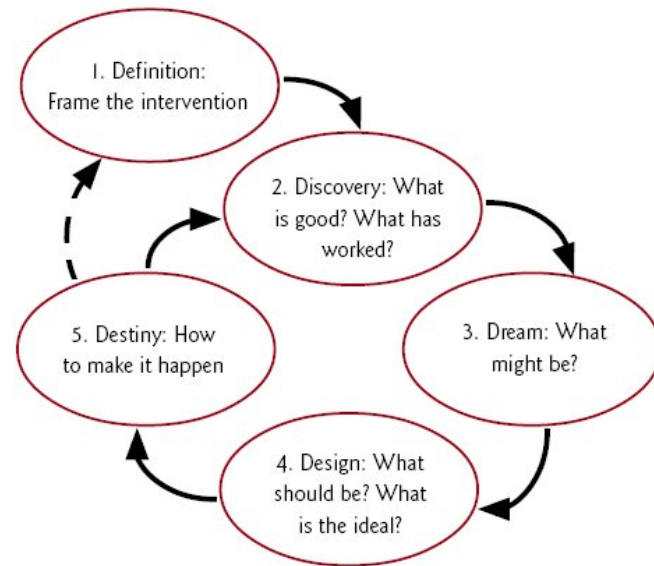
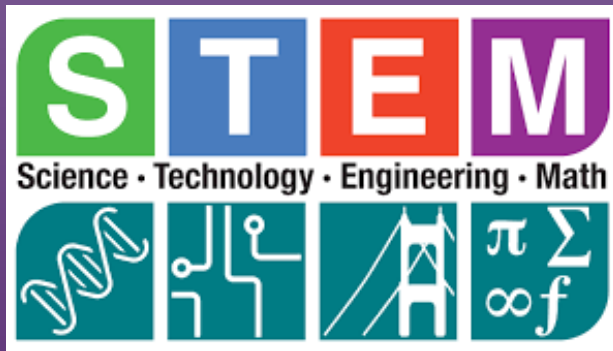


Figure 1. The appreciative inquiry '5-D' model (see Cooperrider et al., 2003; Watkins and Mohr, 2001; Whitney and Trosten-Bloom, 2003 and the AI Commons website)

Opportunity

Leverage resources and opportunities in our community:

- World class hospitals
- Parents and alumnae leaders in medical field
- AP Science and AP Math classes
- Excited Science teachers
- One-to-one chromebook program rolled out



MetroHealth



Cleveland Clinic



**University
Hospitals**

Challenges / How can we...

- Increase the numbers of students enrolled in rigorous science and math classes ?
- Increase internship opportunities, experiential learning opportunities ?
- Market our school more effectively to differentiate it from other schools?
- Differentiate our health careers program from those at other schools ?
- Incorporate marketing and educational efforts to support one another?



“We have 45,000 employees in the Cleveland Clinic Health System; only 3,000 are doctors. The other 42,000 work in jobs suited for people who exhibit an enormous range of talents and interests; medical writers, technicians, accountants, music and art therapists, to name a few. Healthcare jobs are not just for science and math wizards. **We need to train and attract all kinds of students to support our effort.**”



Fredrick Frost, MD

Executive Director, Cleveland Clinic
Rehabilitation and Sports Therapy

Future Possibilities!

- What classes would prepare students for this?
- Can we get internships and field experiences?
- Is it a good plan? Is this the right list of classes?
- How can we get internship or field experiences? - Is it realistic?
- How do we assess learning?



Stakeholder Focus Group Series

- Large group session, followed by smaller focus groups.

Stakeholders

Parents

*Recent Graduates enrolled in
Health Sciences careers*

Health Executives

Private Practice

Executive Nursing Officers

Hospital presidents

Students



Stakeholder Initiatives

Overwhelming responses:

- Be inclusive
- Incorporate service as an opportunity for field experiences
- Capstone Presentations
- Progress Feedback – Online portfolio
- Teach empathy, communication skills and professionalism.



PURPLE PATHWAY

CUMULATIVE 3.7 GPA

MATH | 4.0 credits

AP Calculus AB

AP Statistics

SCIENCE | 4.5 credits

Honors Biology

Honors Chemistry

Honors Anatomy & Physiology

AP Biology or AP Chemistry

SERVICE LEARNING | 100 hours

*focused in providing service related to health care by
end of first semester of
graduation year.*

CLINICAL | 60 hours

*of clinical/internship time and
experience in a related field.*

GOLD PATHWAY

CUMULATIVE 3.0 GPA

MATH | 4.0 credits

including Statistics

SCIENCE | 4.5 credits

Biology

Chemistry

Honors Anatomy & Physiology

Honors Microbiology/Zoology

SERVICE LEARNING | 100 hours

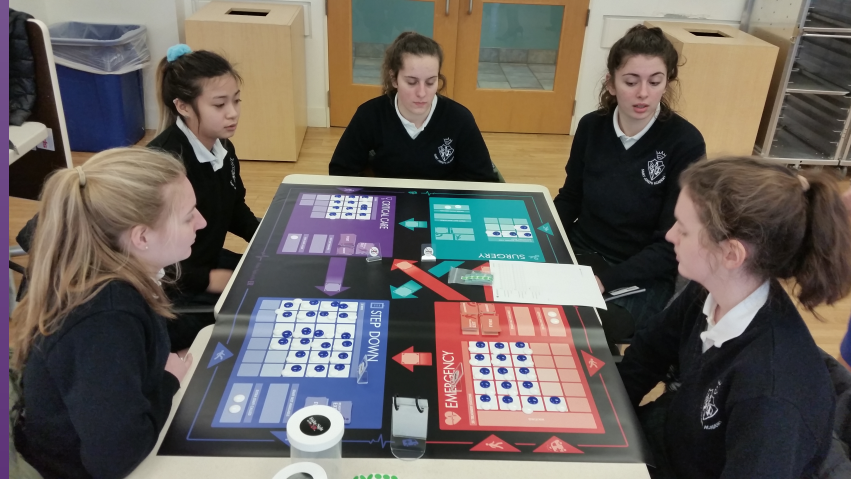
*focused in providing service related to health care by end
of first semester of graduation year.*

CLINICAL | 20 hours

*of clinical/internship time and
experience in a related field.*

Program Concept

- Grouping of students with similar interests in Health Science careers
- Program based on long term achievable goals rather than short term requirements.
- No limit on number of students involved in the program.



Program Structure

- Field trips – Colleges, Universities, and Hospitals
- Guest speakers – Health Care Professionals, Alumnae
- Clinical Internships – Junior Professional Shadowing
- Service – Serving thy dear neighbor
- HPAC – Health Professionals Affinity Community



Assessment and Measuring Success

Class of 2017
15 Students
2000 Service Hours
700 Clinical Hours

Graduate Averages:
Service Hours: 127.8
Clinical Hours : 43.7

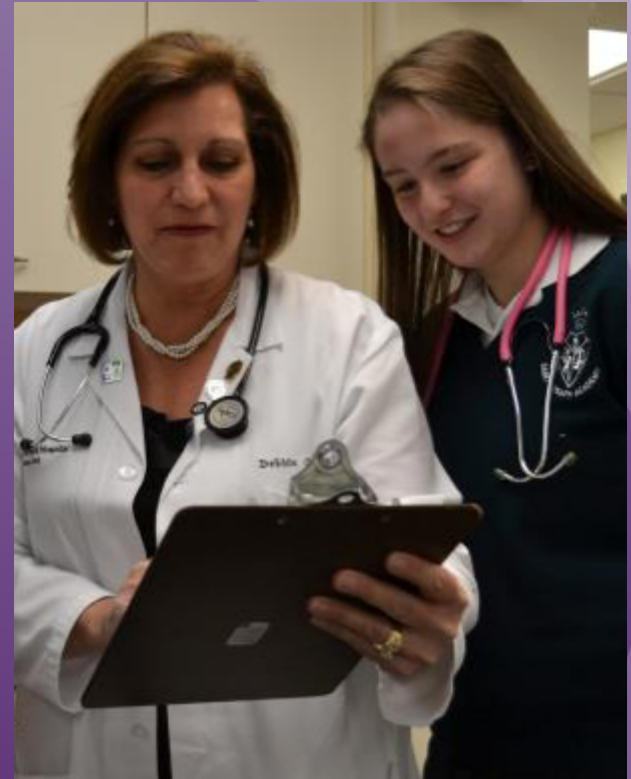


Program Development

- Online portfolio - improvements over time
- Wellness curriculum / HPAC - leverage opportunities using HPAC to lead events and program.
- Opportunities: Healthcare industry looking to support this effort
- Service: Incredibly educational (addresses need for compassion, communication and professionalism. Incorporate to other programs.
- Be inclusive - for all students - not just future doctors

Current State of the Health Sciences Honors Program

- Advisory board biannual meetings
- Service Projects – Hospice legacy storytelling, brining humanities, communication, empathy, in a healthcare settings.
- Alumnae Involvement – Guest speaking, Shadowing opportunities.
- Online Portfolio – feedback loop
- Capstone Presentations – Final Project,



Current State of the Health Sciences Honors Program

- 2014-15 - 40 students
- 2015-16 - 46 Students
- 2016-17 - 75 Students
- 2017-18 - 109 Students applied
- Implementation of Cohort model to deal with the increase in numbers.



Cohort Model

Year 1 Students

- Portfolio Creation
- Introductory Field Trips

Year 2 Students

- Portfolio updates
- Clinical Hours Completion
Junior Professional Shadowing
- Expanded Field trips

Year 3 Students

- Capstone
- Specialized Field Trips



Documentation

- “The use of experiential learning activities has a positive, significant effect on student learning and the student’s perception of learning... Students therefore acknowledge a similar increase in learning as demonstrated by the learning objectives when instructors use experiential learning techniques in the class room.” - *Burch 2014*
- Burch GF, Batchelor JH, Heller NA, Shaw J, Kendall W, Turner B (2014). Experiential learning– what do we know? A meta-analysis of 40 years of research, *Developments in Business Simulation and Experiential Learning* 41, 279

Reflections From Students



Questions?

