

STEM Pathway Check Sheet: Class of 2017 - beyond

STEM Pathway Evaluation for: _____

(Name)

(ID)

All STEM Concentrations require a MINIMUM six (6) courses with no grade less than a "C" in any course going toward STEM credit. Virtual High School (VHS) courses must be pre-approved in order to receive STEM credit.

Science and Engineering

Physical Sciences		Earth & Environmental Sciences	
Required Courses	Electives	Required Courses	Electives
EITHER ___ Life Science OR Cell Bio & Bio Systems ¹ PLUS ___ Chemistry (CP, H) ___ Physics (CP, H, AP) ___ STEM Capstone ³	___ Astronomy ___ Calculus ___ Chemistry (AP) ___ Computer-Aided Modeling ___ Computer Science (AP) ___ Intro to Engineering ___ Intro to STEM Careers ___ Prob & Statistics ___ Robotics ___ Physics (AP) ² ___ Statistics (AP)	EITHER ___ Life Science OR Cell Bio & Bio Systems ¹ PLUS ___ Chemistry (CP, H) ___ Earth Science ___ Environ Sci ___ STEM Capstone ³	___ Astronomy ___ Biology (AP) ___ Calculus ___ Chemistry (AP) ___ Environ Sci (AP) ² ___ Intro to STEM Careers ___ Meteorology ___ Oceanography ___ Physics (CP, H) ___ Physics (AP) ___ Prob & Statistics ___ Statistics (AP)
Engineering (Course Sequence I)		Engineering (Course Sequence II)	
Required Courses	Electives	Required Courses	Electives
___ Life Science PLUS ___ Chemistry ___ Intro to Engin I ___ Physics (CP, H, AP) ___ Math Elective ___ STEM Capstone ³	___ Advanced CAD ___ CAD ___ Chemistry (AP) ² ___ Computer-Aided Modeling ___ Intro to Biotech/Forensics ___ Intro to Engin II ___ Mapping Haverhill ___ Physics (AP) ² Math Electives ___ Calculus ___ Computer Science (AP) ___ Robotics	___ Cell Bio & Genetics AND Bio Systems & Ecology ¹ PLUS ___ Intro to Engin I ___ Physics (CP, H, AP) ___ Precalculus ___ STEM Capstone ³	___ Advanced CAD ___ CAD ___ Calculus ___ Chemistry (CP, H) ___ Chemistry (AP) ² ___ Computer-Aided Modeling ___ Computer Science (AP) ___ Intro to Biotech/Forensics ___ Intro to Engin II ___ Intro to STEM Careers ___ Mapping Haverhill ___ Robotics ___ Physics (AP) ²
Life/Health Sciences (Course Sequence I)		Life/Health Sciences (Course Sequence II)	
Required Courses	Electives	Required Courses	Electives
___ Life Science ___ Anatomy & Physiology ___ Chemistry (CP, H) ___ Intro to Biotech/Forensics ___ Med Term & Diseases ___ STEM Capstone ³	___ Biology (AP) ___ Calculus ___ Chemistry (AP) ___ Intro to STEM Careers ___ Physics (CP, H) ___ Physics (AP) ___ Prob & Statistics ___ Statistics (AP) ___ Zoology	___ Cell Bio & Genetics AND Bio Systems & Ecology ¹ ___ Anatomy & Physiology ___ Chemistry (CP, H) ___ Intro to Biotech/Forensics ___ Med Term & Diseases ___ STEM Capstone ³	___ Biology (AP) ___ Calculus ___ Chemistry (AP) ___ Intro to STEM Careers ___ Physics (CP, H) ___ Physics (AP) ___ Prob & Statistics ___ Statistics (AP) ___ Zoology

¹ counts as one course toward STEM pathway

² must have completed CP or H level first

³ YOG 2019 and later only

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Mathematics

Technology

Applied Mathematics		Information Technology	
Required Courses	Electives	Required Courses	Electives
___ Algebra I ___ Algebra II ___ Geometry ___ Precalculus	___ Adv Math Dec Making ___ Calculus (H, AP) ___ Computer Science (AP) ___ Statistics (AP) ___ Probability & Statistics	___ Principles of IT ___ Robotics ___ Intro to Programming ___ Computer Systems ___ 3D Printing ___ Computer Networking ___ Internship	___ Computer Science (AP) ___ iSchool Tech Desk ___ Game Development ___ Web Design

Please list any additional courses or activities that may be considered for a STEM Distinction.

- Approved (Area: _____)
 Does not qualify

Guidance Counselor

Dean of STEM