



S I M S B U R Y H I G H S C H O O L

Student Learning Clusters | 2022-2023

Architecture/Construction

Biomedical Science

Business & Finance

Communications

Culinary Arts

Engineering

Humanities

Music & Performing Arts

Transportation/Automotive

Visual Arts



*Teaching students to meet the challenges of today and tomorrow
with confidence and integrity*

VISION OF A GRADUATE

**CRITICAL
THINKER**

COMMUNICATOR

COLLABORATOR

**SELF-DIRECTED
LEARNER**

INNOVATOR

**GLOBAL
CITIZEN**

Dear SHS Students, Parents, and Guardians:

Simsbury High School is one of the best secondary schools in the state of Connecticut. We can say this based on the quality of our faculty; the success of our students; and the depth of our academic, athletic, and extra-curricular offerings. We are proud to provide students with learning experiences that help them to develop the knowledge and 21st century skills necessary for success in college and beyond.

As you review our *Program of Studies*, you may notice that our elective courses occur in sequences. While our electives have value individually, they can also be taken sequentially to create a pathway to potential careers. In this booklet, we have organized our elective offerings into 10 Student Learning Clusters:

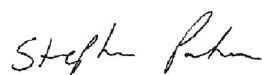
- Architecture/Construction
- Biomedical Science
- Business and Finance
- Communications
- Culinary Arts
- Engineering
- Humanities
- Music and Performing Arts
- Transportation/Automotive
- Visual Arts

Each cluster has extracurricular offerings, options for online or collegiate study, connections to the larger Simsbury community, and valuable personal contacts that enhance the experiences of our students.

These cluster maps are intended to be used as tools to **start** a conversation about course planning and not as a prescriptive set of classes and activities that students would pursue rigidly. It is our belief that each student's path is unique and is best planned through ongoing discussion with parents, teachers, and counselors. In addition, we recognize that adolescence is a time when even the best plans change! We suggest that you use these sheets to help you develop a personalized plan that addresses your high school experience as well as your post-secondary aspirations.

As seen in Simsbury High School's *Vision of a Graduate* document, we pride ourselves on our ability to provide students with learning experiences that are based on our theme this year, emphasizing "passion and pride." We believe that our elective offerings play a big part in making that happen. Our enhanced and updated elective program is an incredibly exciting aspect of our school. We urge you to take full advantage of it! We invite you to review these Student Learning Clusters as part of your personalized course selection process.

Sincerely,



Stephen Patrino
Principal



Gregory Stillman
Director of School Counseling

NOTE: *Capstone and Capstone Optional courses throughout this booklet are indicated by the symbols **C** and **O**, respectively.*



The **Architecture/Construction** cluster is recommended for any student interested in pursuing a career in architecture, engineering, manufacturing, or construction. By matriculating through this course sequence, students will acquire a spectrum of related skills from design fundamentals to actual implementation of their own plans/creations that will have them prepared for post-secondary study in these fields.


	Recommended Elective Courses in this Cluster	Other Suggested Classes
7/8	<ul style="list-style-type: none"> • Unified Arts Rotation in Technology Education • 8th Grade Full Year Technology Education Elective 	<ul style="list-style-type: none"> • Drawing • Advanced Observational Drawing • Entrepreneurship • Marketing • PLTW Engineering Courses
9	<ul style="list-style-type: none"> • Architecture 1 • Construction 1 	
10	<ul style="list-style-type: none"> • Architecture 2 • Construction 2 	
11	<ul style="list-style-type: none"> • Architecture 3 • Manufacturing Enterprise 	
12	<ul style="list-style-type: none"> • Internship Program/Independent Study • Manufacturing Enterprise Internship 	
Post Secondary	<p>COLLEGIATE MAJOR relating to this cluster: <i>Architecture, Engineering (Mechanical, Civil, Architecture, Manufacturing), Technology Education, Construction, Drafting, Landscape Architecture, Manufacturing</i></p> <p>SAMPLE OCCUPATIONS relating to this cluster: <i>Architect, Civil Engineer, Industrial Engineer, Environmental Engineer, Mechanical Engineer, Landscape Architect, Surveyor, Private Contractor</i></p>	



Co-Curricular Activities	<ul style="list-style-type: none"> • FBLA • FIRST Robotics • Pen-a-Thon 	<ul style="list-style-type: none"> • Home Builders and Remodelers Association of Central CT (HBRA) Student Home Design Competition
Career Exploration/ Internships	<ul style="list-style-type: none"> • Job Shadow • Internships (available through Chamber of Commerce) • Connecticut Innovation Academy 	<ul style="list-style-type: none"> • HBRA • Connecticut Business and Industry Association (CBIA)
Further Opportunities for Study	<p>Asnuntuck Community College: Asnuntuck provides students the opportunity to participate in college programs in electronics, welding, and precision machining technology, all of which involve state of the art facilities, equipment, and instruction. See the school counselor for more information.</p> <p>Continuing Education: Multiple courses are offered through adult education. A continuing education catalog is available at www.simsbury.k12.ct.us/dce.</p>	
Community Connections	<ul style="list-style-type: none"> • Chamber of Commerce • By Carrier Construction 	<ul style="list-style-type: none"> • Guest Speakers • Ensign-Bickford Industries
Faculty & Staff Contacts	<p>Dr. Wendy Ku, CTE Department Supervisor; James Compton, Technology Education Department Coordinator Teachers: Dr. Wendy Ku, Cameron Bopp, James Compton, Dan Warner</p>	



SHS has partnered with **Project Lead the Way (PLTW)** to offer a four-year Biomedical Science elective cluster. Nearly 80 million Americans were born between 1946 and 1964; these “baby boomers” are now approaching age 75—and the impact of this change in U.S. demographics is expected to be tremendous. Our nation’s aging population, combined with longer life expectancies and rapidly advancing technology, has created a growing demand for highly skilled professionals in a broad spectrum of health care and science careers. PLTW Biomedical Science provides a rigorous, inquiry-based curriculum. The program’s combination of activity-based, project-based, and problem-based learning styles will engage students and better prepare them for the workplace or postsecondary education in the life and health sciences.

	Recommended Elective Courses in this Cluster	Other Suggested Classes
7/8	<ul style="list-style-type: none"> • Science courses • Unified Arts Rotation in Family and Consumer Sciences 	<ul style="list-style-type: none"> • Advanced Observational Drawing • Forensics • Statistics • Economics • Child Development • Individual and Family Development (UCONN) • Environmental Science • AP Environmental Science
9	<ul style="list-style-type: none"> • Principles of Biomedical Science 	
10	<ul style="list-style-type: none"> • Human Body Systems 	
11	<ul style="list-style-type: none"> • Medical Interventions 	
12	<ul style="list-style-type: none"> •  Biomedical Innovation 	
Post Secondary	<p>COLLEGIATE MAJOR relating to this cluster: <i>Biology, Physics, Biomedical Engineering, Pre-Medicine, Nursing, Veterinary Medicine</i></p> <p>SAMPLE OCCUPATIONS relating to this cluster: <i>Engineer, Dentist, Forensic Investigator, Physical Therapist, Speech Pathologist, Physician, Nurse, Veterinarian, Microbiologist, Pharmaceutical Researcher, Radiologist, Pharmacist, EMT, Paramedic, Medical Illustrator</i></p>	



Co-Curricular Activities	<ul style="list-style-type: none"> • Aspiring Medical Professionals Club • Earth’s Advocates • Science Club
Career Exploration/ Internships	<ul style="list-style-type: none"> • Job Shadow • Internships • UConn Mini-Medical Dentist High School Program
Further Opportunities for Study	<p>Community College: Multiple courses are available at Tunxis Community College (tunxis.commnet.edu), including:</p> <ul style="list-style-type: none"> • <i>Anatomy & Physiology I</i> • <i>Anatomy & Physiology II</i> • <i>Basic Medical Support</i> • <i>Health, Safety and Nutrition</i> • <i>Human Biology</i> • <i>Microbiology</i> • <i>General Psychology</i> <p>Continuing Education: Multiple courses are offered through adult education. A continuing education catalog is available at www.simsbury.k12.ct.us/dce.</p>
Community Connections	<ul style="list-style-type: none"> • University of Connecticut Health Center • Athletic trainers (Select Physical Therapy) • School nurses
Faculty & Staff Contacts	<p>Heather Golden, Science Department Supervisor</p> <p>Teachers: Linda Pirek, Philip Isner, Jenna Nalband, Caroline Barker</p>



Business & Finance courses encourage independent thinking, collaborative efforts, and individual achievement essential for success in our ever-changing technological world. **FINANCE** courses encourage making wise economic decisions related to personal financial affairs, the successful operation of organizations, and the economic activities of the country. **MARKETING** courses introduce students to the processes and functions involved in transferring business products or services to a consumer within an environment of rapidly evolving technology, interdependent national economies, increasing demands for ethical and social responsibility, and constant change.

	Recommended Elective Courses in this Cluster	Other Suggested Classes
9	<ul style="list-style-type: none"> • Introduction to Business & Finance • Introduction to Business Technologies 	<ul style="list-style-type: none"> • AP Economics • Digital Design • Law • Multiple World Languages • Public Speaking • Statistics • AP Statistics • Computer Science Principles • AP Computer Science • PLTW Introduction to Engineering Design • PLTW Engineering Design & Development
10	<ul style="list-style-type: none"> • Accounting 1 • Accelerated Accounting 	
11	<ul style="list-style-type: none"> • Accounting 2 • Banking & Investments • Entrepreneurship 1 • Marketing • Financial Literacy 	
12	<ul style="list-style-type: none"> • Personal Finance • Entrepreneurship 1 • <input checked="" type="checkbox"/> Entrepreneurship 2 • Sports & Entertainment Marketing 	
Post Secondary	<p>COLLEGIATE MAJOR relating to this cluster: <i>Business administration, accounting, economics, finance, marketing</i></p> <p>SAMPLE OCCUPATIONS relating to this cluster: <i>Accounting, business management, financial planning, investment advising, sales, advertising, entrepreneurship, brokerage, banking, marketing</i></p>	



Co-Curricular Activities	<ul style="list-style-type: none"> • Future Business Leaders of America (FBLA) • National Business Honor Society • Junior Achievement Entrepreneurial Academy 	<ul style="list-style-type: none"> • School Store • Sports Management • Student Council • Stock Market Club • Yearbook
Career Exploration/ Internships	<ul style="list-style-type: none"> • Job Shadow 	<ul style="list-style-type: none"> • Internships (available through Chamber of Commerce)
Further Opportunities for Study	<p>Community College: Multiple courses are available at Tunxis Community College (tunxis.commnet.edu), including:</p> <ul style="list-style-type: none"> • <i>Principles of Financial Accounting</i> • <i>Managerial Accounting</i> • <i>Managerial Finance</i> • <i>Business Ethics</i> • <i>Principles of Marketing</i> • <i>Entrepreneurship</i> • <i>Principles of Finance</i> <p>Continuing Education: Multiple courses are offered through adult education. A continuing education catalog is available at www.simsbury.k12.ct.us/dce.</p>	
Community Connections	<ul style="list-style-type: none"> • Chamber of Commerce • Guest Speakers 	<ul style="list-style-type: none"> • Rotary (Interact Club)
Faculty & Staff Contacts	<p>Dr. Wendy Ku, CTE Department Supervisor Teachers: Deb Manning, John Murphy, Doug Nielson</p>	



Simsbury High School offers course work in multiple disciplines for students interested in **Communications**, ranging from the traditional (photography) to the more contemporary (website design, video production). Through the courses in this cluster, students will develop skills in multiple modes of communication and prepare themselves for post-secondary study, especially in the fields of modern communication that depend upon technology.

	Recommended Elective Courses in this Cluster	Other Suggested Classes
7/8	<ul style="list-style-type: none"> Unified Arts Rotation in Technology Education 8th Grade Full Year Technology Education Elective 	<ul style="list-style-type: none"> Multiple World Languages Animation and Film Marketing Psychology Law Theater Public Speaking
9	<ul style="list-style-type: none"> Introduction to Business Technologies Digital Video Production 1 Introduction to Music Technology 	
10	<ul style="list-style-type: none"> Digital Photography 1 Website Design Elements Digital Video Production 2 Film Study 	
11	<ul style="list-style-type: none"> Digital Photography 2 Digital Video Production 2 Television Production Digital Design 1 Film Study 	
12	<ul style="list-style-type: none"> Independent Study Television Production Digital Design 2 Film Study Advanced Film Study 	
Post Secondary	<p>COLLEGIATE MAJOR relating to this cluster: <i>Communications, Media Studies, Graphic Design, Journalism, Information Technology, Television Production, Fine Arts/Photography, Arts & New Media</i></p> <p>SAMPLE OCCUPATIONS relating to this cluster: <i>Journalist (print, broadcast), graphic designer, film/sound editor, advertising professional, marketer, photographer, television producer</i></p>	



Co-Curricular Activities	<ul style="list-style-type: none"> Trojan News Yearbook 	<ul style="list-style-type: none"> Anime Club Debate Team
Career Exploration/ Internships	<ul style="list-style-type: none"> Simsbury Community Television (SCTV) Job Shadow 	<ul style="list-style-type: none"> Internships (available through Chamber of Commerce)
Further Opportunities for Study	<ul style="list-style-type: none"> Continuing Education: Multiple courses are offered through adult education. A continuing education catalog is available at www.simsbury.k12.ct.us/dce. Greater Hartford Academy of the Arts: Magnet school in Hartford specializing in the arts. 	
Community Connections	<ul style="list-style-type: none"> Simsbury Community Television (SCTV) Guest Speakers 	<ul style="list-style-type: none"> Field Trips (Local TV, ESPN) FOX61 News
Faculty & Staff Contacts	Dr. Wendy Ku, CTE Department Supervisor; James Compton, Technology Education Department Coordinator; Shannon Gagne, Supervisor of Art K-12	



Culinary Arts courses are grounded in authentic, experiential learning. Students are provided unique opportunities to develop personal responsibility, motivation, and interpersonal skills. Through the exploration of and participation in the multi-faceted culinary world, students demonstrate critical thinking and problem solving strategies. SHS graduates who have participated in the Culinary Arts cluster have gone on to enjoy successful careers in the food and hospitality industry.

	Recommended Elective Courses in this Cluster	Other Suggested Classes
7/8	<ul style="list-style-type: none"> Unified Arts Rotation in Family & Consumer Sciences 8th Grade Full Year Family & Consumer Sciences Elective 	<ul style="list-style-type: none"> Accounting Marketing Photography Digital Design Digital Video Production Entrepreneurship Public Speaking
9	<ul style="list-style-type: none"> Smart Cooking Baking and Pastry Arts 1 Regional and International Cuisines 1 	
10	<ul style="list-style-type: none"> Introduction to Culinary Arts Baking and Pastry Arts 1 Regional and International Cuisines 2 	
11	<ul style="list-style-type: none"> Introduction to Culinary Arts <i>or</i> Culinary Arts 2 Baking and Pastry Arts 2 Event Planning 	
12	<ul style="list-style-type: none"> Culinary Arts 2 <i>or</i> C Culinary Arts Capstone Event Planning 	

Post Secondary

COLLEGIATE MAJOR relating to this cluster: *Culinary Arts, Nutrition, Food Science, Hotel and Restaurant Management*

SAMPLE OCCUPATIONS relating to this cluster: *Baker, Banquet Manager, Caterer, Chef, Culinary Educator, Dietitian, Event Planner, Food Advertising, Food Scientist, Food Stylist, Food Critic, Hospitality & Tourism related careers, Restaurant Manager or Owner, Retail careers, Dining Room Staff*





Co-Curricular Activities	<ul style="list-style-type: none"> Future Business Leaders of America (FBLA) Culinary Arts Club Student Council
Career Exploration/ Internships	<ul style="list-style-type: none"> Job Shadow Internships/Mentorships at local restaurants
Further Opportunities for Study	<ul style="list-style-type: none"> Community College: Multiple courses are available at Tunxis Community College (tunxis.commnet.edu) Continuing Education: Multiple courses are offered through adult education. A continuing education catalog is available at www.simsbury.k12.ct.us/dce Johnson & Wales University (www.jwu.edu) Manchester Community College (www.mcc.commnet.edu) Culinary Institute of America
Community Connections	<ul style="list-style-type: none"> Chamber of Commerce RiverView Banquet Facility Local restaurants, part-time job and internship opportunities
Faculty & Staff Contacts	Dr. Wendy Ku, CTE Department Supervisor; Sara Garthwait, Family and Consumer Science Department Coordinator Teachers: Sarah Elise DeCarolis, Daniel Lestrud, Gail Szatrowski

Engineering



SHS has partnered with **Project Lead the Way (PLTW)** to offer a four-year engineering elective cluster. PLTW's sequence of courses, when combined with college preparatory math and science courses in high school, prepares students for the scope, rigor and discipline of engineering courses in college, thus resulting in an increase in student success rates in college engineering programs. PLTW students will receive training in current technology using the latest computer software and equipment; participate in a hands-on, activity-oriented program that utilizes team efforts; earn up to 10 college credits through the University of New Haven or Rochester Institute of Technology (RIT); and be prepared to pursue a career in a field where a national employment shortage exists and pay scales are among the highest for entry-level professionals.

	Recommended Elective Courses in this Cluster	Other Suggested Classes
7/8	<ul style="list-style-type: none"> • Unified Arts Rotation in Technology Education • 8th Grade Full Year Technology Education Elective 	<ul style="list-style-type: none"> • Drawing • Advanced Observational Drawing • Forensics • Architecture • Automotive Technology • Manufacturing Enterprise • Construction • Marketing & Finance • Entrepreneurship • Economics • AP Environmental Science • Statistics • Computer Science
9	<ul style="list-style-type: none"> • PLTW Introduction to Engineering Design 	
10	<ul style="list-style-type: none"> • PLTW Principles of Engineering 	
11	<ul style="list-style-type: none"> • PLTW Digital Electronics • PLTW Aerospace Engineering 	
12	<ul style="list-style-type: none"> •  PLTW Engineering Design and Development 	
Post Secondary	<p>COLLEGIATE MAJOR relating to this cluster: <i>Engineering and Engineering Technology</i> (mechanical, civil, electrical, chemical, biological, agricultural, architectural, computer, construction, drafting & design, environmental, information systems, manufacturing) Mathematics, Chemistry, Biology, Physics, Capstone</p> <p>SAMPLE OCCUPATIONS relating to this cluster: <i>Engineer, Product Designer, Architect, Project Manager, Forensic Investigator, Geologist, Computer Programmer, Astronaut</i></p>	
	Co-Curricular Activities	<ul style="list-style-type: none"> • First Robotics • National Engineering Design Challenge • Math League • Earth's Advocate • Women in Engineering
	Career Exploration/ Internships	<ul style="list-style-type: none"> • Job Shadow • Internships • EBAD Cooperative
	Further Opportunities for Study	<ul style="list-style-type: none"> • Summer university engineering programs
	Community Connections	<ul style="list-style-type: none"> • College credit through Univ. of New Haven and Rochester Institute of Technology (RIT) • Mentorships within Engineering Design & Development course • Guest speakers • EBAD Cooperative
	Faculty & Staff Contacts	<p>Dr. Wendy Ku, CTE Department Supervisor; James Compton, Technology & Engineering/ PLTW Coordinator</p> <p>Teachers: Dr. Wendy Ku, David Salonia, Cameron Bopp, James Compton, Dan Warner</p>



The **Humanities** are defined as the branches of learning that have primarily a cultural character. Unlike other Student Learning Clusters at SHS, the Humanities are not meant to be a logical *sequence* of courses but rather a set of experiences—in the tradition of the liberal arts—that will appeal to students with interest in the social sciences, literature, the arts, and other disciplines. Students who might explore another Student Learning Cluster in depth could still benefit from an exploration of courses in the Humanities

	Recommended Elective Courses in this Cluster	Other Suggested Classes
7/8	Beyond the traditional core curriculum, students interested in the Humanities should consider the following classes as they plan their course of study:	<ul style="list-style-type: none"> • Multiple World Languages
9	<ul style="list-style-type: none"> • Art courses • Music courses • Theater courses 	
10	<ul style="list-style-type: none"> • Law • Sociology • Psychology 	
11	<ul style="list-style-type: none"> • AP Psychology • AP Economics • AP United States Government & Politics 	
12	<ul style="list-style-type: none"> • AP European History 	
Post Secondary	<p>COLLEGIATE MAJOR relating to this cluster: <i>Liberal Arts, English, History, Political Science, Art, American Studies, International Studies, Sociology</i></p> <p>SAMPLE OCCUPATIONS relating to this cluster: <i>Educator, Historian, Journalist, Writer, Artist, Health & Human Services Worker, Lawyer, Psychologist</i></p>	



Co-Curricular Activities	<ul style="list-style-type: none"> • Earth's Advocate • Gender-Sexuality Alliance • Scholars Helping Seniors • Women's Empowerment Club 	<ul style="list-style-type: none"> • Anthropology Club • Key Club • Model UN • Student Council • Yearbook
Career Exploration/ Internships	<ul style="list-style-type: none"> • Internships available through Chamber of Commerce 	<ul style="list-style-type: none"> • Job Shadow
Further Opportunities for Study	<ul style="list-style-type: none"> • History Day in Connecticut: Program encourages students to explore local, national, and world history. After selecting a historical topic that relates to an annual theme, students conduct research using libraries, archives, museums, and oral history interviews; students present their findings during competitions, where professional historians and educators evaluate the projects. • Continuing Education: Multiple courses are offered through adult education. A continuing education catalog is available at www.simsbury.k12.ct.us/dce. 	
Community Connections	<ul style="list-style-type: none"> • Guest speakers in classes • Community members serve as advisors to SHS 	<ul style="list-style-type: none"> • Multiple connection to elementary schools and HJMS
Faculty & Staff Contacts	Gregory Stillman, School Counseling Dep't Supervisor; Richard Curtiss, Social Studies Dep't Supervisor; Shannon Gagne, Supervisor of Art K-12; Angela Griffin, Director of Music & Performing Arts; Dr. Wendy Ku, CTE Supervisor	



The Department of **Music & Performing Arts** offers a variety of courses to meet the diverse needs of high school students. Each course provides students with an in-depth experience in music or theater and an opportunity to grow as artists in an ensemble setting. Students may pursue a path that focuses on voice, band, orchestra, or theater. Students may also choose courses across areas and create a unique series of music and performing arts electives throughout their high school career.

	Recommended Elective Courses in this Cluster				Other Suggested Classes
7/8	• Middle School Performing Ensembles or Music Composition				<ul style="list-style-type: none"> • Sports & Entertainment Marketing • Personal Finance • Entrepreneurship • Psychology • Fine Arts • Public Speaking • Film Study
	Vocal Emphasis	Band Emphasis	String Emphasis	Performing Arts	
9	Treble Choir or Tenor Bass Choir	Symphonic Winds or Percussion or Sax Ensemble	Concert Orchestra or Chamber Orchestra	Introduction to Theater	
10	Mixed Chorale Adv. Treble Choir	Symphonic Winds or Percussion or Sax Ensemble	Concert Orchestra or Chamber Orchestra	Intermediate Theater	
11	Mixed Chorale or <input type="checkbox"/> Adv. Treble Choir Music Theory	Symphonic Winds or Percussion or Sax Ensemble Music Theory	Concert Orchestra or Chamber Orchestra Music Theory	Advanced Theater 1	
12	<input type="checkbox"/> Mixed Chorale or <input type="checkbox"/> Simsbury Singers <input type="checkbox"/> Music Theory	<input type="checkbox"/> Symphonic Winds or <input type="checkbox"/> Percussion or Sax Ensemble <input type="checkbox"/> Music Theory	<input type="checkbox"/> Concert Orchestra or <input type="checkbox"/> Chamber Orchestra <input type="checkbox"/> Music Theory	<input type="checkbox"/> Advanced Theater 2	

Other Music & Performing Arts Courses
Jazz Ensemble
Song Writing & Composition
Unified Theater
Technical Theater

Post Secondary
COLLEGIATE MAJOR relating to this cluster: *Music Performance, Music Business, Music Education, Composition, Music Therapy, Theater, Theater Education, Arts Therapy, Conducting, Music Librarianship*
SAMPLE OCCUPATIONS relating to this cluster: *Music Educator, Performer, Music Therapist, Composer/Arranger, Actor, Technical Theater*



Co-Curricular Activities	<ul style="list-style-type: none"> • Musical • One Acts • Spring Play • Tri-M • Gospel Choir 	<ul style="list-style-type: none"> • All Region Ensembles • All State Ensembles • Holiday Cabaret • Steel Pan Ensemble
Career Exploration/ Internships	<ul style="list-style-type: none"> • Hartt Partnership Opportunities 	<ul style="list-style-type: none"> • Hartt Composition Project
Further Opportunities for Study	<ul style="list-style-type: none"> • Private Lessons • Simsbury Arts Academy (SAA) • Greater Hartford Academy of the Arts (by audition) 	
Community Connections	<ul style="list-style-type: none"> • Simsbury Arts Academy (SAA) • Connecticut Children's Chorus (CCC) 	<ul style="list-style-type: none"> • The University of Hartford-Hartt School of Music Community Division
Faculty & Staff Contacts	Angela Griffin, Director of Music & Performing Arts Teachers: Rebecca Saltzman, Chorus; Lisa Abel, Band; Dr. Stuart Younse, Theater; Kathryn Fausel, Orchestra; Ken Fischer, Jazz	

Transportation/ Automotive



The **Transportation/Automotive** cluster offers course work for students interested in pursuing a career in automotive, aviation, aerospace/astronautic, mechanical engineering, or engineering. By exploring and participating in the transportation strand, students will develop hands-on critical thinking, diagnostic, and problem-solving skills to prepare them for post-secondary study, especially in the fields that will depend on hands-on and advanced technological skills.

	Recommended Elective Courses in this Cluster	Other Suggested Classes
7/8	<ul style="list-style-type: none"> Unified Arts Rotation in Technology Education 8th Grade Full Year Technology Education Electives 	<ul style="list-style-type: none"> AP Environmental Science Construction 1 or 2 Computer Science Manufacturing Enterprise PLTW Introduction to Engineering Design PLTW Principles of Engineering PLTW Digital Electronics PLTW Engineering Design and Development
9	<ul style="list-style-type: none"> Introduction to Transportation Aviation 	
10	<ul style="list-style-type: none"> Introduction to Transportation Aviation Aerospace Education Automotive Technology 1 	
11	<ul style="list-style-type: none"> Aerospace Education PLTW Aerospace Engineering Automotive Technology 1 Automotive Technology 2 	
12	<ul style="list-style-type: none"> PLTW Aerospace Engineering Automotive Technology 2 Automotive Technology 3 	

Post Secondary

COLLEGIATE MAJOR relating to this cluster: *Automotive Technology, Automotive Engineering, Engineering and Engineering Technology (mechanical,civil, electrical,environmental, information systems, manufacturing), Aerospace/Astronautic Engineering, Technology & Engineering Education, Agricultural Technology*

SAMPLE OCCUPATIONS relating to this cluster: *Automotive Engineering, Automotive Service Technician, Mechanical Engineering, Aerospace Engineering, Pilot, Astronaut, Spacecraft Designers*



Co-Curricular Activities	<ul style="list-style-type: none"> FIRST Robotics
Career Exploration/ Internships	<ul style="list-style-type: none"> Internship Job Shadow EBAD Cooperative
Further Opportunities for Study	<ul style="list-style-type: none"> Summer university engineering programs
Community Connections	<ul style="list-style-type: none"> Mentorships Guest Speakers Ensign-Bickford Industries
Faculty & Staff Contacts	<p>Dr. Wendy Ku, CTE Department Supervisor, James Compton, Technology & Engineering/PLTW Coordinator</p> <p>Teachers: Cameron Bopp, David Salonia, Dan Warner</p>



Visual Arts education at Simsbury High School offers a wide variety of courses to meet the interests and diverse needs of our art students. Imagination, problem solving, reflection and creativity are essential skills our graduates will need for the 21st Century and are embedded in the experiences students will have creating art and responding to art in their studio work. The art courses are intended for any student interested in art and design for a possible career, a post graduate portfolio, or enjoyment.

	Recommended Elective Courses in this Cluster			Other Suggested Classes
7/8	• Unified Arts Rotation in Art			<ul style="list-style-type: none"> • Video Production • TV Production • Engineering Design • Architecture • Web Design • Film Study
	2D Strand	3D Strand	Design Strand	
9	Art 1 Art 1A	Art 1 Art 1A Jewelry and Glass 1 Ceramics and Sculpture 1	Art 1 Art 1A Digital Design 1	
10	Drawing 1	Ceramics 2 Sculpture 2 Jewelry and Glass 2 Fashion Design	Digital Design 1 • Digital Design 2	
11	Drawing 2 Drawing 3 Painting 1 Painting 2 Adv. Observ. Drawing	Ceramics 2 Sculpture 2 Jewelry and Glass 2 • Portfolio Development	• Digital Design 2 Photography 1 Animation and Film 1	
12	• AP Drawing Independent Study or • Portfolio Development	• AP 3D Design Independent Study or Advanced coursework in 3-Dimensional Art • Portfolio Development	• AP 2D Design • Animation and Film 2 Photography 2 • Digital Design 2 • Portfolio Development	
Post Secondary	<p>COLLEGIATE MAJOR relating to this cluster: <i>Fine Arts, Fashion Design, Interior Design, Web Design, Graphic Design, Game Design, Curatorial/Gallery, Digital Editing, Animation, Exhibition/Display Design, Technical Theater/Set Design, Illustration, Costuming, Photography, Film/Video Broadcasting</i></p> <p>SAMPLE OCCUPATIONS relating to this cluster: <i>Fine Artist, Museum Curator, Design Consultant, Illustrator, Graphic Designer, Art Teacher, Artisan, Animator, Photojournalist</i></p>			



Co-Curricular Activities	<ul style="list-style-type: none"> • Nat'l Art Honor Society • Yearbook Club • Performing Arts Council 	<ul style="list-style-type: none"> • Technical Theater • Job Shadow • Mural Club
Career Exploration/ Internships	<ul style="list-style-type: none"> • Graphic Design Opportunities • Illustration Work • Theater Work • Costume Design • Job Shadow 	<ul style="list-style-type: none"> • Real Art Ways (Film Internship) • Community Partnerships • Textile Design • Fashion Design
Further Opportunities for Study	<p>Simsbury Arts Academy (SAA): Summer and after-school opportunities for study in the arts. (Brochures are posted on the SAA website at www.simsbury.k12.ct.us/saa.) Greater Hartford Academy of the Arts: Magnet school in Hartford specializing in the arts. CT School of Jewelry Art</p>	
Community Connections	<ul style="list-style-type: none"> • Hartford Art School • Studio Garcia • Canton Clayworks • Greater Hartford Arts Council 	<ul style="list-style-type: none"> • Real Art Ways • Farmington Valley Arts Center • New Britain Museum of American Art (NBMAA) • Hillstead Museum
Faculty & Staff Contacts	<p>Shannon Gagne, Supervisor of Art K-12 Teachers: Megan Lavoie, Thea Ciciotte, Stephanie Lauretano, Kristie Arbesman, Gregory Gallo</p>	