



Welcome

Parents of the Class of

2021

Planning for High School:
An informational meeting for
parents of 8th grade students

Sponsored by the Farnsworth Middle School and
Guilderland High School Counseling Departments

Timeline of Events

- January 12th – “Planning the HS Program” at GHS
- January 9th-20th- Classroom Presentations/Activities Begin and Materials are Distributed to Students, Including High School Recommendations
- February 3rd- Counselors distribute course selection forms to students
- February 10th- Deadline for students to submit course selection forms to counselors with parent signature
- May 17th – Visitation Day to the High School

Transitional Activities



- A Look into the Future
- Classroom Presentation/Activities
- High School Visit in Spring
- Building Tours
- Fall Orientation
- Curriculum Guide:
<http://www.guilderlandschools.org/Teachers/highschool/aknapp/CounselingCenterHome.cfm>
- Class of 2021 Parent handbook: Send home via email January 4
- Please Visit GHS Website for Access to this Presentation and Additional, Updated Information

Graduation Requirements



To graduate from Guilderland High School, students must:

- Earn at least twenty-three (23) credits
- A full credit (1) or half credit ($\frac{1}{2}$) is granted upon completion of a course with a passing grade of 65 or higher.
- Pass five (5) Regents exams with a score of sixty five (65) or higher

Diploma Requirements (freshman class entering 2017)

- 4 credits of English
- 4 credits of Social Studies
- 3 credits of Math
- 3 credits of Science
- 1 credit of World Language and Culture
- 1 credit of Fine Arts
- ½ credit of Health
- 2 credits of Physical Education
- 4 ½ credits additional electives

Regents Exams



All Students must pass the following Regents exams with a sixty-five (65) or higher:

- English
- Social Studies
- Algebra 1
- Science

AND at least one of the following Pathways:

Humanities, STEM, Bi-Literacy, CTE, Arts

Regents Exams



Humanities Pathway:

A minimum score of 65 on a second Social Studies Regents or state-approved alternative

STEM Pathway:

A minimum score of 65 on a second Science Regents or a minimum score of 65 on a second Math

Regents or a state-approved alternative

Bi-Literacy (Language other than English) Pathway:

Completion of a foreign language sequence and state-approved foreign language assessment

(This assessment has yet to be determined at this time)

CTE Pathway:

Completion of a state-approved CTE program and approved assessment

Arts Pathway:

Completion of an arts sequence and state-approved arts assessment.

(This assessment has yet to be determined at this time)

Advanced Regents Diploma Requirements

Students must complete Regents Diploma requirements plus:

- 3 or 4 units of a World Language and Culture
- Pass the following additional Regents exams with a sixty-five (65) or higher:
 - Geometry
 - Algebra 2
 - A second Science
 - World Language and Culture (Equivalent Exam)

FINE ARTS REQUIREMENTS

(choose one)

VISUAL ARTS

Studio in Art

MUSIC

Music in Our Lives
Mixed Choir
Concert Orchestra
Symphonic Band
Music Technology

DANCE

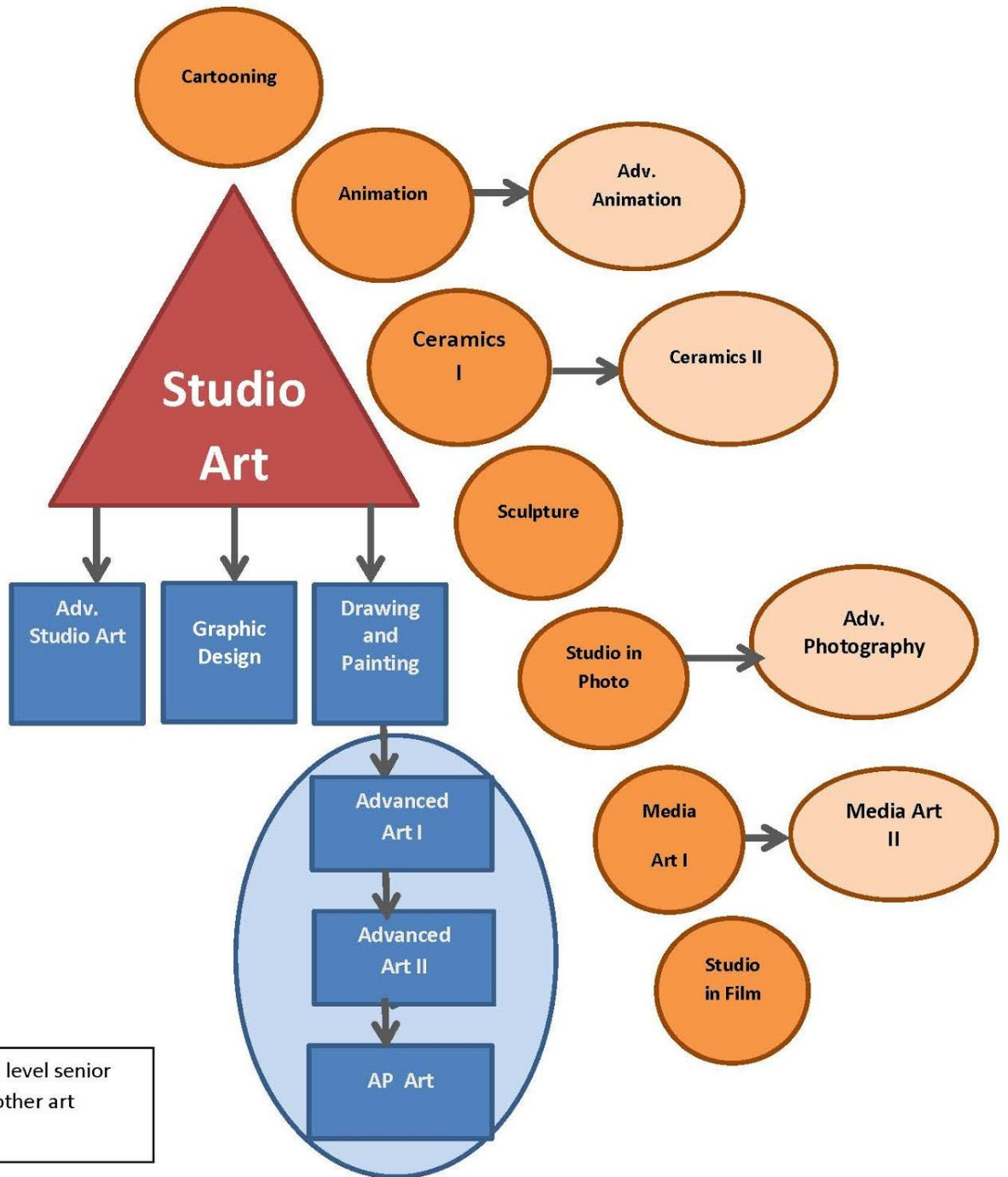
Choreography
Dance Styles


Technology Education


Design and Drawing for Production


Art and Design Department
2017-2018


- Studio Art meets the Fine Arts Requirement.
- Students who did not meet their Fine Arts requirement with Studio Art are eligible to take a 20 week elective as indicated by the orange shapes. Priority is given to those who met Fine Arts Requirement with Studio Art.
- Students pursuing a fine arts portfolio development pathway must take Drawing and Painting.
- Portfolio Prep should be taken in the fall semester for Seniors only



 = 40 weeks.
 Teacher recommendation required.

 = 20 weeks .No prerequisite required.

 = 20 weeks. Prerequisite required.

 Portfolio Prep is designed for the advanced level senior and must be taken in combination with another art course.

STEAM CAREERS & OPPORTUNITIES in the Capital Region

- Global Foundries
- General Electric
- Albany Molecular Research
- Momentive Performance Materials
- IBM
- 1st Playable
- Regeneron
- Taconic Farms Inc.
- Specialty Silicone Products
- Applied Robotics
- AngioDynamics
- Tokoyo Electron
- Vicarious Visions



New York State Science, Technology, Engineering and Mathematics (STEM) Incentive Program

- Top 10% of Graduating Class
- Enroll in full-time study at a SUNY or CUNY college in the fall term following high school graduation
- Work in a STEM job in New York State for five years after graduation.

STEAM Academy Courses



- Pre-Engineering - PLTW
- Computer Science
- Medical and Biological Sciences
- Clean Energy
- Earth and Space

Sample Student Four - Year PLTW Schedule

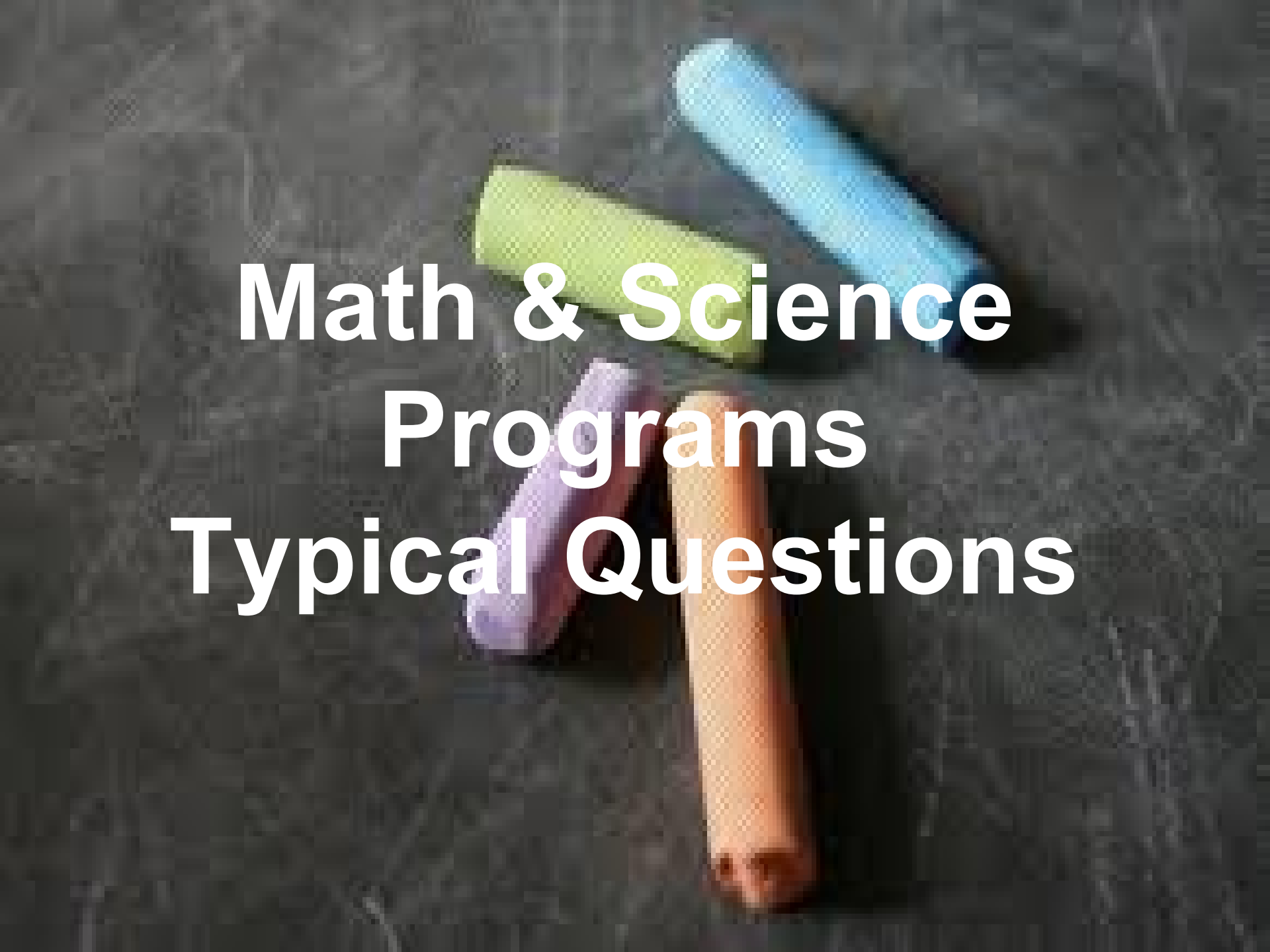
Grade 9	Grade 10	Grade 11	Grade 12
<i>Design and Draw for Production (Introduction to Engineering Design)</i>	<i>Civil Eng. and Architecture</i>	<i>Principles of Engineering</i>	<i>Digital Electronics</i>

Although this is the typical sequence of courses, once students have taken Design and Drawing, courses can be taken in any order

Major Topics covered in PLTW Curriculum

Four colored chalks (blue, green, purple, orange) are scattered on a dark surface. The blue chalk is at the top right, the green one is below it, the purple one is to the left of the green one, and the orange one is at the bottom center.

- Engineering Design Process
- Computer Aided Design
- Architecture
- Electronics
- Robotics
- Programming - (VEX Robotics Team)



**Math & Science
Programs
Typical Questions**



For Students in Accelerated
Algebra 1 this school year:

Honors Geometry
Vs.
Regents Geometry

Differences in Honors Geometry from Regents Geometry

- All the Regents Geometry topics as well as additional topics
- Greater expectation to prove theorems
- Pace is faster
- Larger class sizes
- Projects



**For Students in Accelerated
Regents Biology:**

Honors Earth Science
Vs.

Regents Earth Science

Differences in Honors Earth Science from Regents Earth Science

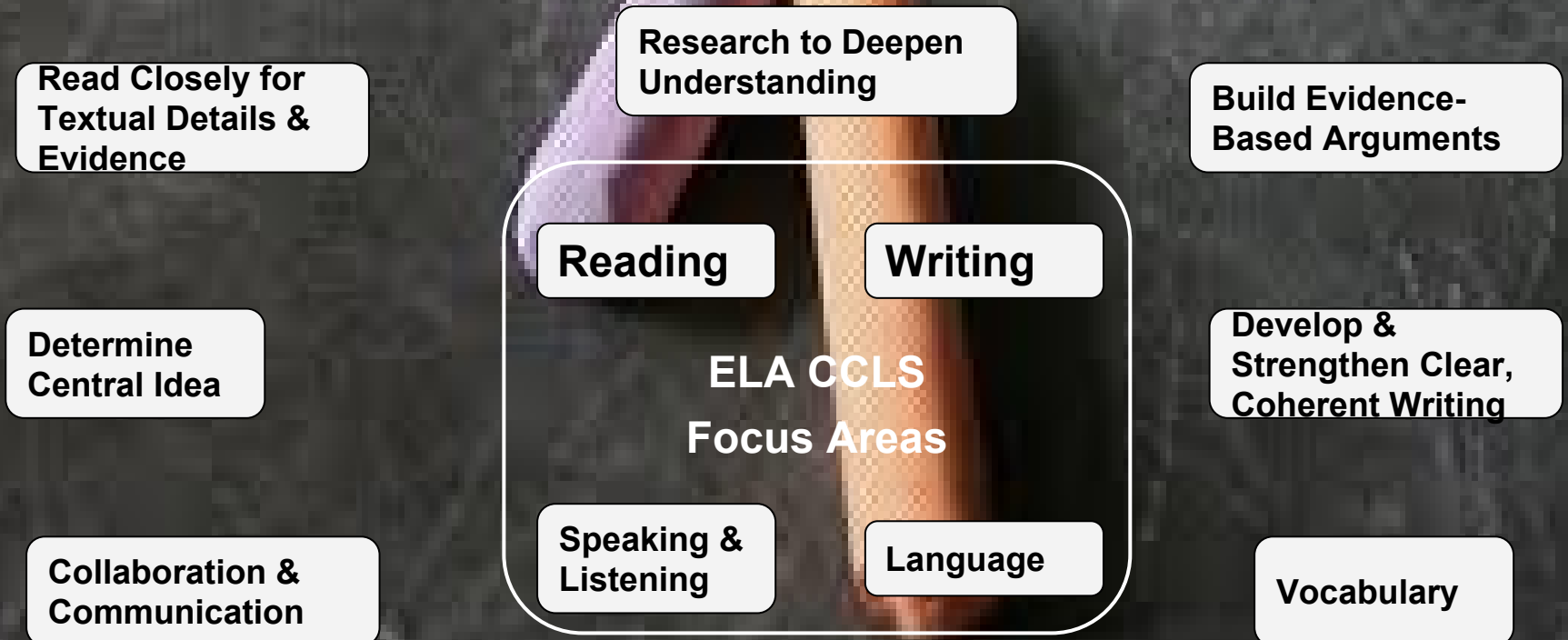
- Topics are covered in great depth
- Pace is faster
- Larger class sizes
- Projects



English Program

NYS Graduation Requirements:

- Four credits (ELA 9, 10, 11, & 12)
- Common Core ELA Regents Exam (grade 11)



Reading Program



Literacy Tutorial is a half-year course offered to students who need extra support in reading, writing, vocabulary, speaking and listening, and processing information.

Students are strongly encouraged to enroll in Literacy Tutorial if they are recommended by their teachers.

Social Studies Program

NYS Graduation Requirements:

- **Four credits**
 - **Global History 9 & 10**
 - **U.S. History & Government 11**
 - **Economics & Public Policy 12**
- **Global History 10 Regents Exam***
 - **Regents Exam changes (June 2018)**
- **U.S. History Regents Exam***
 - ***students can complete one of the two mandatory SS Regents Examinations under the 4+1 Pathways graduation option.**
 - **SS AIS provides remediation to help support students succeed on the Global and/or US History Regents**

Document
Analysis

CCLS
Reading &
Writing

Evidence
Supported
Claim-Based
Writing

College,
Career, &
Civic Life

ELA/SS Aligned Program

- Content & Skills are mutually reinforced within ELA & SS
 - ELA aligned literature provides for deeper SS content understanding and vice-versa
 - Reading-focused; discussion-centered; group-oriented; and project-based activities
- Aligned courses prepare students for the required ELA & SS Regents Examinations
- Students may move in and out of the program each year at GHS
- Students have the option to earn honors credit in both ELA & SS 9A by satisfying additional performance standards
- The course is filled by lottery each year

**Interdisciplinary
Emphasis**

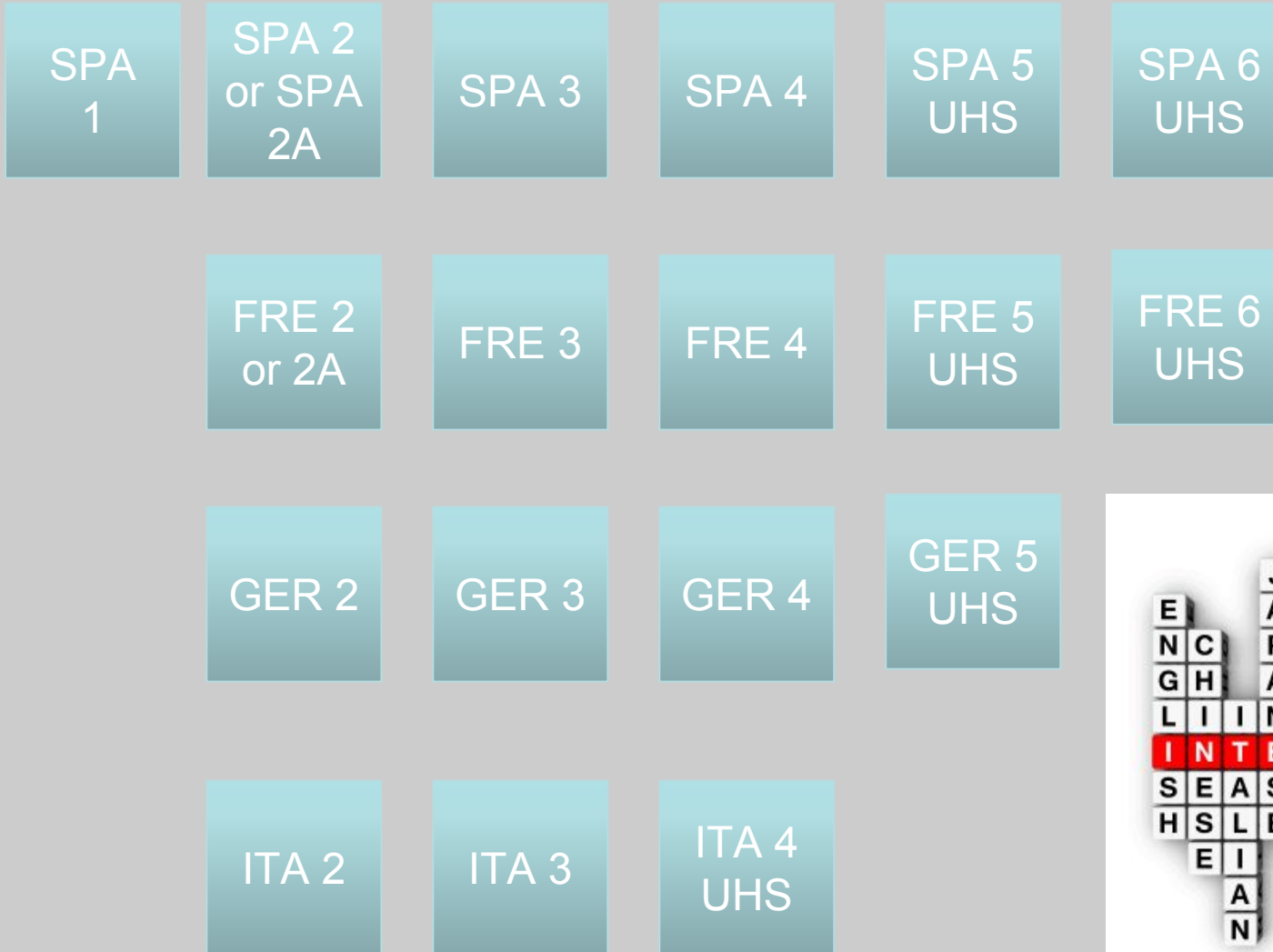


Becoming a Global Citizen

- World Languages are recommended by most four year colleges for increased chance of acceptance
- World Languages help qualify students for an Advanced Regents Diploma in New York State
- You must have a minimum of **one** credit in World Languages in order to Graduate



COURSE FLOWCHART



How do I decide between Level 2, or 2A?

Level 2 = if you have average language abilities and perhaps are enrolled in many other advanced courses. This is the typical level students take.

Level 2A = if you have SUPERIOR or EXCELLENT language skills in Spanish or French. Students need a minimum average of 93%, with dedication to languages.

- 2A is not offered in German or Italian.

BENEFITS OF SPEAKING ANOTHER LANGUAGE

- Our students will interact with people from other cultural and linguistic backgrounds in their lifetimes both at the local and international level.
- Students will build relationships and friendships with other individuals that they may have never encountered had they not had the language advantage.
- The need to communicate in languages other than English and to appreciate and respect cultural differences must be an essential part of each student's education.
- Students become more globally aware of issues taking place around the world that they may have not taken such an interest in prior to knowing the new language.



Playing College Athletics

- Communication is important!
- Any student thinking about playing Division I or II sports in college must let his or her School Counselor know.
- Course selection is a key piece of the process because the NCAA has specific core course requirements to be eligible.
- Information for students and parents can be found at: www.eligibilitycenter.org

Sample Student Schedule

BLOCK	A DAY	B DAY	C DAY	D DAY
1st Block 7:30 – 8:56	Science	Science	PE	Science
2nd Block 9:05 - 9:10 HR 9:10-10:36	English	Social Studies	English	Social Studies
3rd Block 10:45-12:46	Math *LUNCH	Fine Art *LUNCH	Math *LUNCH	Fine Art *LUNCH
4th Block 12:55 – 2:21	World Language	Study Hall/ Elective/AIS	World Language	Study Hall Elective/AIS
Activity Period 2:21 – 3:10	Student Support clubs/co-curricular	Student Support clubs/co-curricular	Student Support clubs/co-curricular	Student Support clubs/co-curricular

Passing Time – 9 minutes

Class Time – 86 minutes

After School Time – 49 minutes

**Activity Period meets Monday,
Tuesday, Thursday**