





# A Day in 11th Grade

## Sample Schedule

	11th grade					
	A	B	C	D	E	F
9:00	ELA 9:00-10:10	Science 9:00-10:10	MFB	Math 9:00-10:10	Humanities 9:00-10:10	MFB
10:10-10:30	BREAK	BREAK	Word Study 9:30 - 10:30	BREAK	BREAK	Word Study 9:30 - 10:30
10:30-11:30	Science	ELA	Science	Business Literacy	ELA	Humanities
11:30-12:00	Lunch	Lunch	Lunch	Lunch	Lunch	Lunch
12:00 - 12:30	Math	Word Study 12:00-1:00	Electives: Family/Consumer Science/Mentorship	Business Literacy	Word Study 12:00-1:00	MFW
12:30-1:00						
1:00-2:00	Humanities	Math	Business Literacy	ELA	Math	Business Literacy
2:00-2:30	Word Study 2:00-3:00	Business Literacy	ELA	Word Study 2:00-3:00	Science	Business Literacy
2:30 - 3:10						
3:10-3:30	Advisory	Advisory	Advisory	Advisory	Advisory	Advisory
3:30-3:45	Homeroom	Homeroom	Homeroom	Homeroom	Homeroom	Homeroom
3:45-4:00	Dismissal	Dismissal	Dismissal	Dismissal	Dismissal	Dismissal



# Course Descriptions

TQS students benefit from our unique approach to project-based learning, which emphasizes inquiry, reflection, collaboration, learning through doing, and stewardship, as well as differentiated instruction, which helps students learn through prescriptive, diagnostic, sequential, structured, and multi-sensory teaching.

Eleventh-grade students continue to enhance their critical thinking, problem solving, and writing skills. They gain and strengthen the skills they need to thrive after TQS, whether they're entering the workforce or pursuing a post-secondary education.

## **ENGLISH**

### **African-American Literature: 100-Year Journey**

*Prerequisite: Literature and the Mechanics of English or teacher recommendation.*

In this course, students will read and dissect fiction, poetry, drama, and criticism from the 20th-century to the present. Students will investigate The Harlem Renaissance, The Protest Movement, and Modern and Contemporary Units. They will also engage in the evolution of the Black Arts/Black Aesthetic Movements of the 1960s and 1970s; the emergence of black feminist and womanist literature, criticism, and theory in the 1970s and 1980s; and the so-called “third renaissance” of the 1990s and 2000s. However, the class will not be limited to these literary and cultural concerns--students are expected to generate their own points of discussion and/or contestation. In addition to introducing students to African American literature and/or enhancing their existing knowledge of it, the class will concentrate on strengthening their critical thinking and writing skills.

### **Fiction to Film**

*Prerequisite: Literature and the Mechanics of English or teacher recommendation.*

In this course, students study works of fiction that have been turned into classic films, with a focus on the 31 books most read by adolescents. The course links STEM concepts as a catalyst to launch student interactions, discussions, projects, and investigations. This approach promotes problem solving and reasoning skills by initiating the scientific process, rather than simply presenting established facts. Lessons call on students to produce drawings and models that move STEM to STEAM.



# Course Descriptions

## **British Literature**

*Prerequisite: Literature and the Mechanics of English or teacher recommendation.*

This course is taught chronologically, beginning with selected readings from 450-1066 AD and ending with selections from the Victorian Era. Students conduct research, analysis, and exposition on a variety of British literature including poetry, short fiction, novels, and dramatic literature.

### Works examined include:

*Beowulf*

*The Canterbury Tales*

*Sir Gawain and the Green Knight*

*Macbeth*

Sonnets from Shakespeare & Poems from Lovelace, Shelley, Wordsworth, Bryon, and Keats

*Gulliver's Travels*

*A Modest Proposal*

*Paradise Lost* (excerpts)

*A Vindication of the Rights of Women*

*A Tale of Two Cities*

## **Women Writers of the 19th and 20th Centuries**

*Prerequisite: Literature and the Mechanics of English or teacher recommendation.*

*In this course, students study the characterization and themes of several novels, examining the roles of women to gain insight into how social constructs influence women's psychological growth and development. The years 1900 to 2000 were a very exciting time for female novelists. 20th-century novels and short stories produced by women were unique, as it was the first time that women tackled women's issues that were considered controversial (like sexuality and feminism) by putting the reader in the mindset of the female protagonist.*



# Course Descriptions

Authors examined include:

Maya Angelou

Djuna Barnes

Willa Cather

Zora Neal Hurston

Shirley Jackson

Flannery O'Connor

Tillie Olsen

Dorothy Parker

Amy Tan

Eudora Welty

Virginia Woolf

## **MATH**

Eleventh-grade math is designed to meet the diverse needs of all students as they prepare to enter a world where mathematical skills are of increasing importance, especially for special needs students. TQS curriculum integrates new mathematics with the old to ensure that students acquire the fundamentals while becoming familiar with the rapidly expanding frontiers in this field, and within science and technology.

TQS students take 120 hours of math during their 11th-grade year.



# Course Descriptions

Since TQS is student-centered and differentiates to meet the needs of every individual, we offer two math branches:

## Branch 1

Math Intervention  
Functional Math  
Financial Algebra  
Business Math

## Branch 2

Pre-Algebra  
Algebra 1  
Geometry  
Algebra II/Trigonometry

## **Branch 1**

### **Math Intervention**

A remedial math course (K-8) taught through concrete, pictorial, and abstract concepts.

### **Functional Math**

A course designed for students who have had difficulties in math, need to fill in the gaps in their background, and refine skills they have learned but not mastered. The subject matter depends on students' needs and varies each year. Students use real-world applications to study skills and concepts.



# Course Descriptions

## **Financial Algebra**

*Prerequisite: Algebra I or teacher recommendation*

Students build on and connect their prior knowledge of math concepts from other courses and apply them to real-life financial practices. Topics of study include investing, banking, credit, income taxes, insurance, and household budgeting. Students review and strengthen algebra mechanics and problem-solving skills, and better understand how algebra is used in daily life.

## **Business Math**

*Prerequisite: Financial Algebra or Algebra II or teacher recommendation*

Students master the skills necessary to solve business-related mathematics problems, review basic mathematics concepts, become proficient in checking and verifying data, and practice critical thinking and decision-making skills. Computerized spreadsheet applications and simulations help students apply math skills to realistic business situations that include accounting, budgets, insurance, investments, marketing, payroll, production, purchasing, sales, taxes, and warehousing. Students also learn to make graphs and tables using mathematical data.

## **Branch 2**

### **Pre-Algebra**

Students learn numeration, statistics, probability, computation, problem-solving and algebraic concepts. Topics include: rational numbers (fractions, decimals, and percents), operations, solving simple equations and inequalities, translating algebraic expressions, and manipulating monomials.



# Course Descriptions

## **Algebra I**

*Prerequisite: Pre-Algebra or teacher recommendation*

Students explore numeration, algebraic functions, introduction to geometry concepts, and problem-solving. Topics include: linear equations and inequalities, monomials and polynomials, factoring algebraic expressions, two-dimensional graphing, systems of equations, radical expressions, irrational numbers, and quadratic functions.

## **Geometry**

*Prerequisite: Algebra I or teacher recommendation*

Students learn geometric reasoning and proof, triangles and trigonometry, measurement, and problem-solving. Topics include: mathematical logic, points, lines and planes, parallel lines and planes, congruent triangles, quadrilaterals, polygons, right angles, and circles.

## **Algebra II/Trigonometry**

*Prerequisite: Algebra I or teacher recommendation*

Algebra II is an advanced examination of number sense, graphing and equations, special functions, data analysis, and probability. A large portion of this course also covers trigonometry, including basic trig ratios, identities, trig equations, inverse trig functions, and the Laws of Sines/Cosines. Calculator use is explained and expected.



# Course Descriptions

## **HUMANITIES**

### **Introduction to Anthropology**

An understanding of culture allows us to appreciate the complexity of social life and the ways in which it depends on race, class, gender, and nationality. This course mixes basic biology and physiology, history, geography, sociology, and evolution in order to understand why people are who they are, and why they do what they do. Students will explore culture in traditional as well as new, unexpected places, while considering the role of the anthropologist. What methods, ethics, and cast of mind does the anthropologist bring to the study of people? How can a non-anthropologist apply the same cultural sensibilities to daily life in today's global society? This course aims to explain the differences and similarities in appearance, language, culture, and perspectives.

### **A Material Culture: An Anthropology of Things**

Throughout time, humans everywhere have made, consumed, and surrounded themselves with things. This course explores how these objects escape their intended purposes and exert power over us. Drawing on cross-cultural perspectives, it examines things from the mundane to the extravagant as mediums for the expression of identity, communication of ideas, and memory-making. Topics include consumerism, environmentalism, identity, class and inequality, crafting, and the maker movement. Students explore intersections between cultural anthropology and archaeology to understand how the study of things sheds light on societies in both the past and present. This course introduces students to a variety of theoretical and methodological approaches to the study of material culture with opportunities to apply concepts to a variety of objects.



# Course Descriptions

## **Black History Studies 1621-2021**

The history of Black and Brown people is an integral part of the history of the United States. Both as slaves and free people, African Americans were involved with the founding of the U.S. and its entire history. In this course, students will explore the history, experience and culture(s) of African Americans from arrival in the Americas to the present day United States. Black History Studies offers the opportunity for study, research, and community involvement in Black Studies and enables students to explore cultural, literary, historical, socioeconomic, and other issues affecting African Americans. Students will closely examine reform movements from abolition to Civil Rights to the present day Black Lives Matter movement. Students will also explore the heritage of African American music and culture, including hip-hop. Course emphasis will be on developing students' historical research, analysis, and writing skills.



# Course Descriptions

## **SCIENCE**

### **Chemistry**

In this course, students gain an in-depth, collaborative, and project-based learning experience focused on the science of chemistry. This course emphasizes a multi-representational approach to science, with concepts, results, and experiments being expressed graphically, analytically, and verbally. Units include structure and properties of matter; chemical bonding and reactions; matter, energy, and equilibrium; and organic and nuclear chemistry, as well as cross-curricular earth science topics. Through inquiry-based and hands-on investigations of real-world phenomenon, students will construct explanations for scientific phenomenon and design solutions for real-world problems.

### **Forensic Science: Fundamentals and Investigations**

This course focuses on the science used in forensic science techniques, and uses both instruction and project-based learning. Students learn descriptions of specific types of evidence and the techniques to collect, analyze, and evaluate the evidence. As students progress through the course, they refine the techniques and apply them to other areas of study. Topics of study include observations, CSI, evidence collection and analysis, forensic botany, fingerprints, DNA, blood and blood spatter, toxicology, anthropology, and cause of death.

## **BUSINESS LITERACY**

One of the biggest factors in a student's decision to dropout of high school stems from their inability to see how their education impacts their daily and future lives -- which is why employment literacy is a key component of our Upper School program.

In 11th grade, students begin to prepare for life after TQS by preparing for job searches and internships, researching colleges, attending college rep visits, and writing resumes. In addition to direct instruction, students will participate in role playing, networking, and public speaking assignments. They'll practice the skills needed to apply for a job and be an outstanding employee, as well as the skills needed to thrive in a post-secondary learning environment.



# Course Descriptions

Business literacy skills learned include:

- Goal Development: management skills, such as the ability to independently plan, organize, create and execute; and how to set and recognize strategic goals to achieve success
- Communication: how to communicate in the digital age with future employers and coworkers; how to be a good listener; the impact of body language, eye contact, hand gestures, and tone of voice on the message you are trying to convey; and the difference between personal and professional voice
- Executive Functioning: soft skills, such as time management, organization, eye contact, using a firm handshake, listening, and using empathy to read people and situations, as well as how to adapt accordingly, build trust, and connect more effectively with others
- Technology: how to differentiate yourself as an employment candidate using technical skills, such as technical writing (including word processing and emailing), spreadsheeting and data analysis, web browsing, presentation skills, coding and programming and social media savviness
- Collaboration: how to assess and manage your own emotions, as well as build meaningful professional relationships, influence and motivate others, and foster trust and collaboration in the workplace



**Grade 11 students shine at The Quaker School at Horsham.**

Come see for yourself! Contact us for more information or to schedule your visit.

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