



TQS High School

Interventions.Business Literacy.Bright Futures

Your Guide to Grade 10

TQS Upper School Curriculum Overview



Welcome to Grade 10

Tenth-grade students are ready for more: more responsibility, more autonomy, and more opportunities to shine. They are finding themselves while connecting with their peers.

They are building on their educational foundation while setting their sights on the future.

At The Quaker School at Horsham, we give students in Grade 10 the skills and support they need to make more decisions for themselves -- to discover their goals and passions, and find the education and career paths that excite them and build their confidence.

Our goal: to empower every 10th grade student to let their inner light shine by providing experiences that will allow them to reach their fullest potential.



Grade 10 students learn to:

- Apply skills and strategies
- Creatively problem-solve
- Achieve individual success
- Embrace differences
- Engage in trusting relationships
- Be compassionate
- Have self-worth
- Advocate for themselves
- Feel secure in their future

A Day in 10th Grade

Sample Schedule

	10th grade					
	A	B	C	D	E	F
9:00 - 9:20	Homeroom	Homeroom	Homeroom	Homeroom	Homeroom	Homeroom
9:20 - 10:30	Yoga 10B/ FACS 10A	ELA or MATH	ELA or MATH	ELA or MATH	FACS 10B/ RT 10A	Wellness & Movement 10
10:30-11:30	ELA or MATH	Bus Lit 200	SS 10A / SCI B	Word Study	Bus Lit 200	Word Study
11:30-12:00	Lunch	Lunch	Lunch	Lunch	Lunch	Lunch
12:00 - 12:30	ELA or MATH	SS 10A / SCI B	SS 10B / SCI A	SS 10A / SCI B	Bus Lit 200	SS 10A / SCI B
12:30-1:00						
1:00-2:00	Word Study	SS 10B / SCI A	Bus Lit 200	SS 10B / SCI A	Word Study	ELA or MATH
2:00-2:20	Movement Break	Movement Break	Movement Break	Movement Break	Movement Break	Movement Break
2:20-3:30	MFW / MFB	Yoga 10A/ RT 10B	Bus Lit 200	ELA or MATH	ELA or MATH	SS 10B / SCI A
3:30-3:45	Homeroom / Advisory	Homeroom / Advisory	Homeroom / Advisory	Homeroom / Advisory	Homeroom / Advisory	Homeroom / Advisory
3:45-4:00	Dismissal	Dismissal	Dismissal	Dismissal	Dismissal	Dismissal

TQS 10th graders begin each day with personal advisory and end each day with advisory. Core academics, business literature and social development round out our intervention-focused curriculum.



Course Descriptions

CORE ACADEMICS

Our 10th grade students benefit from our unique approach to project-based learning, which emphasizes inquiry, reflection, collaboration, learning through doing, stewardship, and differentiated instruction, which helps students learn through prescriptive, diagnostic, sequential, structured and multi-sensory teaching.

ENGLISH

In 10th grade, students become more proficient, independent readers and writers as they move toward competence in vocabulary acquisition, reading comprehension, composition, literature study, and other language skills. TQS students take 161 hours of English in grade 10, focusing on the core components of the English language and integrating reading, literature study, writing, speaking and research skills. Each trimester, 10th grade teachers choose a course from the list below, which allows them to select the area of most interest to their students or one that follows a cross curricular theme. One trimester in 10th grade must include the anchor course, Research 101.

Rites of Passage

Coming of age is a young person's transition from being a child to being an adult. This course explores how different writers explore the coming of age of the main character and the emotions and pressures that surround that rite of passage. Students develop critical reading, writing, and discussion skills, looking beyond the plot to analyze the personal growth of the main character and the factors that promote such growth.

Academic Writing

This course covers the art of the essay. Students learn all aspects of the paper-writing process, from pre-writing to final drafts, and practice those skills in a series of project-based and guided assignments. This course is designed to reintroduce writing and to help prepare students for the writing expected in other high school and even college courses.



Course Descriptions

Research 101

In this course, students take a different approach to the research paper writing process. They begin with oral presentations to gain a better understanding of the difference between fact and opinion, good research and bad, common knowledge and what needs citation. The course helps students develop a deeper understanding of the subject and the hierarchical presentation of that understanding. Students then move into writing, learning all aspects of the paper-writing process from pre-writing to final draft. Genres of writing include expository, persuasive, and a final paper.

Utopian and Dystopian Literature

Can literature change our real-world society? At its foundation, utopian and dystopian literature asks seemingly simple questions aimed at doing just that. Who are we as a society? Who do we want to be? Who are we afraid we might become? In this course, students explore and analyze a wide variety of the most famous foreboding futures. As students question and extrapolate ideas from these painful ridden realm, they learn that one man's paradise is another's pandemonium -- and that they consider warnings about the future might just be the condemnations of today.

Studies in Literary Genre Science Fiction/Horror

This course explores these key literary genres in the 20th and 21st centuries. Students start to learn about the rise of science fiction in the 1600s and 1700s and then focus on the first "modern" science fiction writer, H.G. Wells, by reading *The Time Machine* graphic novel. Students then look at the rise and development of horror fiction, beginning with one of the first true horror novels, Mary Shelley's *Frankenstein*, and moving through Edgar Allen Poe, H.P. Lovecraft, Richard Mathson and, finally, Stephen King.

MATH

Tenth-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. Students take 120 hours of math during their 10th-grade year at TQS.

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



Course Descriptions

Branch 1

Math Intervention
Functional Math
Financial Algebra
Business Math

Branch 2

Pre-Algebra
Algebra I
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.

Financial Algebra

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

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.



Course Descriptions

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.

Algebra I

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

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

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.

HUMANITIES

At TQS, the interdisciplinary study of the humanities enables students to develop inquiring minds; respect for and understanding of others' perspectives, values, and attitudes; a sense of internationalism; a desire to be proactive as a responsible global citizen; and a lifelong interest in and enjoyment of the humanities. In 10th grade, students take 150 hours in the humanities. Using project-based learning, TQS students learn to think critically, read analytically, speak articulately, and write persuasively.



Course Descriptions

American Studies (1945-present)

This course examines the historical development of the culture and politics of America, from the early 1950s to our current times. Students study the significant events and topics that have shaped our nation and values, such as McCarthyism, the Civil Rights Movements, the Black Panthers, the Counterculture, the Vietnam War, Women's Movements, Earth Day, the music industry (from jazz to rock-n-roll to funk to rap), Ronald Reagan, the Desert Storm conflict, the professional sports industry, and more. The goal is to help students understand that the events and people of the past continue to influence current events.

SCIENCE

According to a STEM Academy report, about 34 percent of students with autism spectrum disorder gravitate to courses and careers involving science, technology, engineering and math. That contrasts with 20 percent of students in the general school population. TQS recognizes the importance of providing 10th-grade students with a well-rounded, sequential and content-rich program in a stimulating and project-based learning environment.

In 10th grade, students take 90 hours of science. Each course is designed to help students learn more about the physical world in which they live. The curriculum integrates observation; critical thinking; effective verbal and written communication; and manipulation of equipment.

Physical Science

This introductory course is designed to allow students to explore the basic concepts of physical science. Students are introduced to the history and nature of science, the fundamental concepts of physics and chemistry, and a more in-depth approach to astronomy and earth science. Students are also encouraged to explore the relationship between science and everyday life.

Environmental Science

In this course, students explore major ecological concepts and the environmental problems that affect the world in which we live. There is a critical need for environmental education, and this course provides a way for students to become more attentive to the interactions of people and their environment. By focusing on real-life issues and concepts, this course stimulates awareness and understanding of practical everyday problems that impact the lives of students and their families.



Course Descriptions

Biology

Biology is the study of the living world, which includes basic life processes and interactions among living things, as well as the similarities and differences among various organisms. The three main units covered in this course are cells, genetics, and evolution. Students also experience computer-based learning, traditional hands-on laboratory experiments, and collaborative group projects.

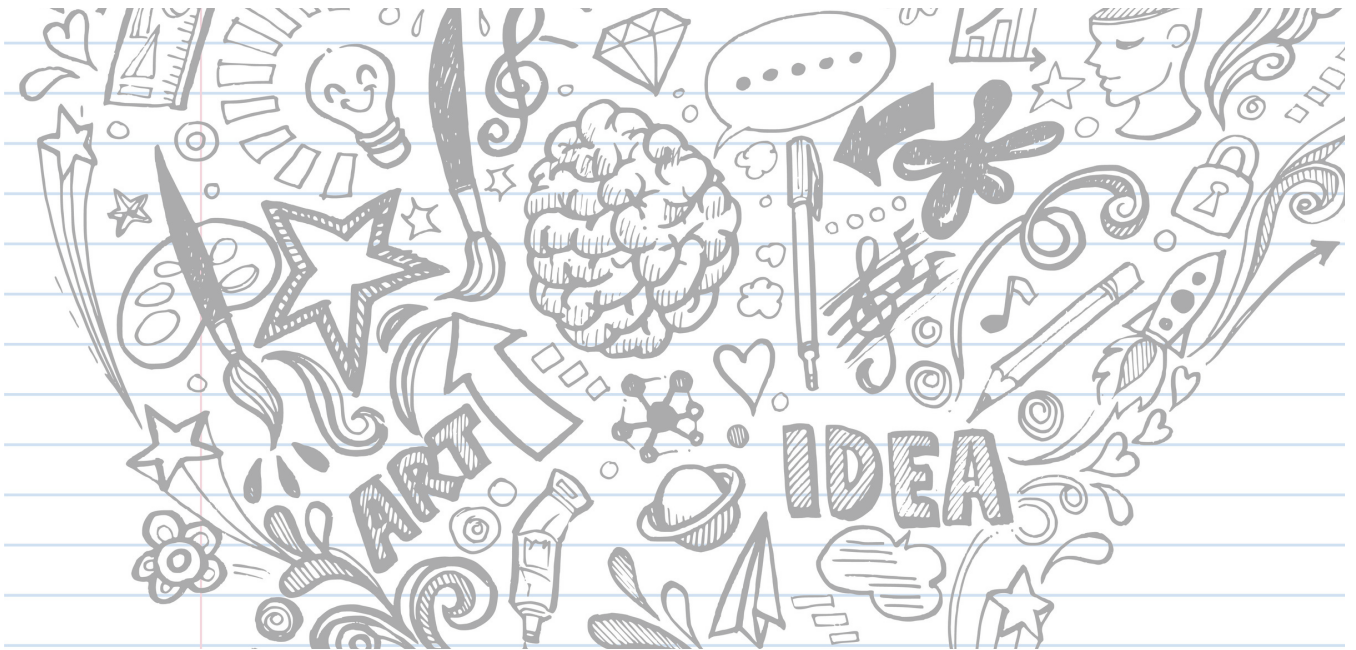
BUSINESS LITERACY

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 10th grade, students have direct instruction in business literacy, as well as the chance to meet various professionals from their community. This helps clarify the educational paths required for each profession, whether it be through community colleges, four-year colleges, or vocational programs. 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

Course Descriptions

Grade 10 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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