



# 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	Business Lit 9:00-10:10	Humanities 9:00-10:10	MFB	Math 9:00-10:10	Business Lit 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	ELA	Business Literacy	Humanities	ELA	Business Literacy	Business Literacy
11:30-12:00	Lunch	Lunch	Lunch	Lunch	Lunch	Lunch
12:00-12:30	Math	Word Study 12 - 1	Science	Humanities	Word Study 12 - 1	ELA
12:30-1:00						
1:00-2:00	Science	Math	ELA	Science	Math	MFW
2:00-2:30	Word Study 2 - 3	Science	Business Lit	Word Study 2 - 3	ELA	Electives: Family/Consumer Science/Mentorship
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

## **LANGUAGE ARTS**

### **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.

### **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.





# Course Descriptions

## **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.

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 I  
Geometry  
Algebra II/Trigonometry



# Course Descriptions

## **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.

## **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**

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**

### **World Religions**

This hands-on course examines the major religions of the world and the role that religious diversity plays in our society today. Students delve deep into understanding religion, Indigenous religions, Hinduism, Buddhism, Jainism, Judaism, Christianity, Islam, Quakerism, Sikhism, and Shinto. Students also examine the role religion plays in developing cultures around the world and how culture and history shape religion.



# 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.

## **Issues in Social Justice**

In this course, students learn about social justice issues and discover their ability to create positive change in their own world. They analyze various social movements related to race, ethnicity, gender, sexual orientation, and class; and they explore and discuss how these concepts have influenced human understanding, relationships, and behavior for centuries. Students also learn how individuals operate within community contexts created through interactions and relationships structured by sociability, belonging, and responsibility. This course encourages students to think critically and expansively about the social world and the conditions of humanity, and it provides a foundation for students to explore social justice concepts, issues, and remedies.

## **SCIENCE**

### **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.

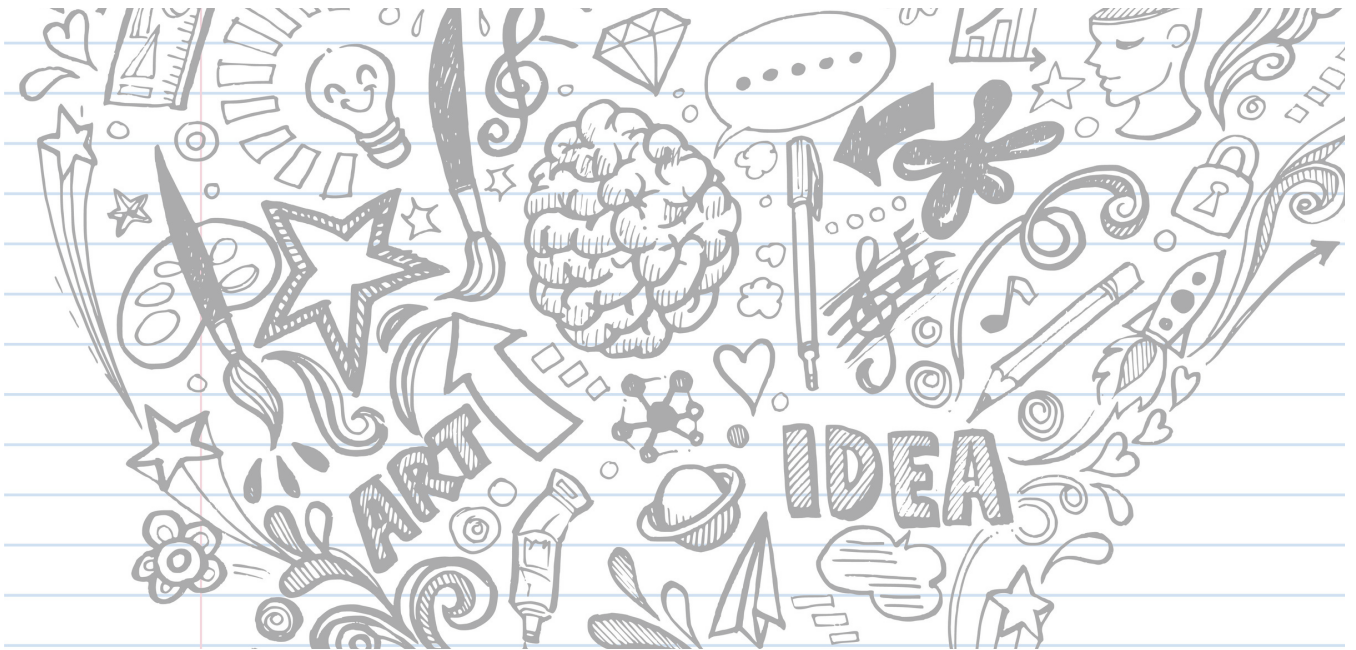
## **BUSINESS LITERACY**

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.  
[admissions@quakerschool.org](mailto:admissions@quakerschool.org)  
215.674.2875, ext. 14