TQS High School

Interventions.Business Literacy.Bright Futures

Your Guide to the TQS

Upper School Curriculum

Grades 9-11

Welcome to the Upper School

Grade 9 is an important year for all adolescents, yet it is especially foundational for young adults with complex challenges. The first year in Upper School brings with it expanding responsibility, personal, social, and academic growth, and preparation for the future.

Here at The Quaker School at Horsham, 9th grade is about more than continuing your child's education -- it's about building their confidence as they transition into adulthood and begin exploring opportunities in the workforce, continued education, and independent living.

Our course curriculum is thoughtfully designed to support student progress and address individual skill deficits. Our goal: **to give every 9th-grade student the skills and support they need to shine bright int their future path.**

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.

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.**

In 11th grade, students begin to turn their focus toward life beyond The Quaker School at Horsham. They're beginning to form a vision of what they want for their future -- and we're here to prepare them to achieve their goals.

Here at TQS, we help our students seamlessly transition into adulthood as they explore opportunities in the workforce, continued education, and independent living.

Whatever their vision, our goal remains the same: to give every 11th-grade student the skills and support they need to shine bright in their future path.

Upper School 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 9th Grade

Sample Schedule

	9th grade					
	A	B	C	D	E	F
9:00	Health 9:00-10:10	ELA 9:00-10:10	MFB	Math 9:00-10:10	Science 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	Humanities	Science	ELA	Business Literacy	Health	Science
11:30-12:00	Lunch	Lunch	Lunch	Lunch	Lunch	Lunch
12:00-12:30	Math	Word Study 12:00-1:00	MFW	ELA	Word Study 12:00-1:00	Business Literacy
12:30-1:00						
1:00-2:00	Business Literacy	Math	Humanities	Health	Math	ELA
2:00-2:30	Word Study 2:00-3:00	Health	Science	Word Study 2:00-3:00	ELA	Humanities
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

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

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.

LANGUAGE ARTS

Students focus on each of the core components of the English and integrates reading, literature study, writing, speaking, and research skills. Our program goal is to have students move toward competence in vocabulary acquisition, reading comprehension, composition, literature study, and other language skills by proceeding through an individual designed sequence of skills reinforcing the development of independent readers and proficient writers.

9th Grade Courses

Literature and the Mechanics of English

This course focuses on the core components of the English language: literature, writing, speaking/listening, and presenting. It introduces students to literature through different genres, including poetry, short stories, nonfiction, dramas, novels, and fairy tales. Students use a variety of strategies to create written texts to inform, to persuade, to describe, and to entertain, as well as practice grammar, mechanics and paragraphing. Throughout the course, students give informal and formal presentations to the class, and even to the Head of School!

Research 101

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

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.

Course Descriptions

10th Grade Courses

Rites of Passage

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

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

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

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

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

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.

Course Descriptions

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

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

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.

<u>11th Grade Courses</u>

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

African-American Literature: 100-Year Journey

Prerequisite: Literature and the Mechanics of English or teacher recommendation

Students will read and dissect fiction, poetry, drama, and criticism published from the middle of the twentieth century to the present. This course will focus on the emergence of a distinctly black modernist and post-modernist literary discourse, often in response to and in conversation with Anglo-American literary movements and trends. Students will investigate some of the following: African American writers' engagement with the "Wright School of Social Protest"; 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 an existing knowledge of it, the class will concentrate primarily on strengthening their critical thinking and writing skills.

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.

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

Course Descriptions

MATH

The Upper School math program 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	Branch 2
Math Intervention	Pre-Algebra
Functional Math	Algebra 1
Financial Algebra	Geometry
Business Math	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.

HUMANITIES

Unlike conventional high schools, The Quaker School at Horsham Upper School engages students in an interdisciplinary study of the Humanities that combines history and literature with philosophy, economics, religion, political science, music, theater, dance, architecture, painting, and sculpture. Using the project-based learning method of education, TQS students learn to think critically, read analytically, speak articulately, and write persuasively.

Course Descriptions

9th Grade Courses

Geography: The Study of the World's Places, People and Politics

In this course students will study every continent and body of water on Earth, striving to be more geo literate citizens, more engaged in contemporary global issues and more multicultural in viewpoint. Geography is a source of ideas for identifying and understanding various scales as a key component of building global citizenship and environmental stewardship. Skills taught in this course include reading, using and analyzing maps; identifying regions and how they relate to other countries and their significance; connecting places to people; understanding the impacts of change on the environment and sciences.

Political Science/Economics

In this course, students learn about the government of the United States and how they fit into that system. They study each part of the government and how citizens are involved in the political process. Next, they focus on economics, analyzing economic systems and principles to better understand how the financial world works. Topics of study include supply and demand, personal finance, and the role of consumers in an economy.

10th Grade Courses

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.

Course Descriptions

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.

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.

11th Grade Courses

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.

Course Descriptions

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.

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

According to STEM Academy report, about 34 percent of children with autism spectrum disorders 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 science program in a stimulating and project-based learning environment. The curriculum integrates observation; critical thinking; effective verbal and written communication; manipulation of equipment; and applying technology.

9th Grade Course

Intro to Scientific Study

In this introductory course, students learn the process of scientific inquiry, such as hypothesizing, graphing, interpreting data, drawing conclusions, and applying scientific concepts. Students study the concepts of motion, force, optics, electricity, radioactivity, properties of matter, compounds and mixtures, elements and bonding, chemical reactions, acid/base, and organics. They also learn comprehension strategies that are specific to reading scientific texts.

10th Grade Courses

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.

11th Grade Courses

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

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.

Course Descriptions

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 9th and 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.

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.

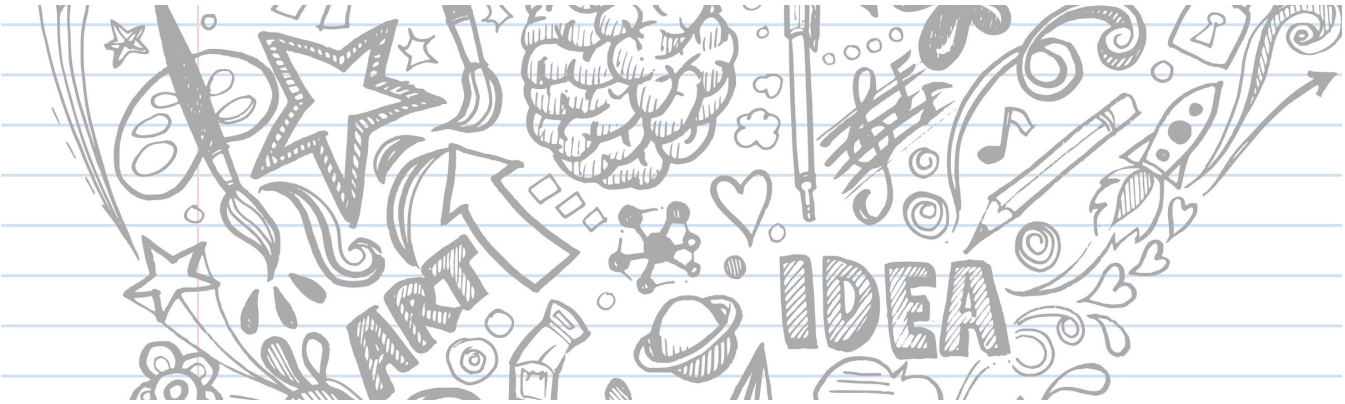
Business literacy skills learned include:

- 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

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



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