

# **LIVONIA PUBLIC SCHOOLS**

## **Adult Education Program**

Program of Study  
2015-2016

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## **Class Location**

Western Wayne Skill Center  
8075 Ritz  
Westland, MI 48185

# Program Descriptions

## **Adult Basic Education (A.B.E.)**

Students ages 20 and over who score below the ninth grade in either math or reading may attend ABE classes to improve these skills in order to pursue a high school diploma or General Education (GED) Certificate. ABE is free to qualifying individuals. Livonia Public Schools residency not required.

## **Adult High School Completion (HSC)**

Students ages 20 and over may earn credit toward a high school diploma by following the Livonia Public Schools sequence of courses. Free to those without a high school diploma. Livonia School District residence not required.

## **English As A Second Language (E.S.L.)**

Non-native speaking persons gain experience in speaking, reading and writing English through an open enrollment program. E.S.L. is free to qualifying individuals. Livonia Public Schools residency not required.

## **Pre-GED/General Education Development (G.E.D.)**

Students who have not completed high school may take the class to prepare for the G.E.D. test. Upon the successful completion of the G.E.D. test, the student is issued a GED Certificate from the State of Michigan. The class is free to qualifying individuals. Livonia Public Schools residency not required.

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## Course Descriptions

<b>Language Arts</b>
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### **Language Arts 9- I & II (ELA)**

**.5 Credit each semester**

*Prerequisites: None.* Through a thematic approach to classic and contemporary narrative and informational texts, students will strengthen skills in six strands: reading, writing, speaking, listening, viewing and representing. Students will connect with and respond to texts by analyzing relationships within and across families, communities, societies, governments and economies. Through the lens of Inter-Relationships and Self-Reliance, they will consider how they build relationships, how their relationships impact others and how they are responsible to society.

### **Language Arts 10 – I & II (ELA)**

**.5 Credit each semester**

*Prerequisites: ELA 9, I & II.* In Language Arts 10, students will extend their studies of classic and contemporary narrative and informational texts with a special focus on American literature. By connecting with and responding to texts through critical response and stance, students will assess and modify their beliefs. This is a two-semester, college preparatory course for high-achieving juniors, their views of the world and the powers that impact them.

### **Composition (1 Semester)**

**.5 Credit each semester**

*Prerequisites: Completion of ELA 10.* This course assists students in developing their writing skills in more formalized language situations. Students will study elements of composition such as usage and punctuation while practicing forms such as persuasion, comparison and personal narrative. Students will examine various texts – such as articles, essays and short stories – for style, structure, audience and tone. Students will also develop strategies to read critically and successfully manage reading and writing tasks on standardized tests. Emphasis will be on journals, multi-paragraph essays, basic research skills, documentation form and the process of revision.

### **Conflicts and Compromise (1 Semester)**

**.5 Credit each semester**

*Prerequisite: ELA 9 I & II, ELA 10 I & II.* Through both fiction and nonfiction, students will explore and discuss conflicts and compromises in current interpersonal, personal and world issues. Students will be active participants and presenters as they develop their own leadership abilities. Students will share their insights and understanding of leadership and their views of the modern world.

### **Reality Literature (1Semester)**

**.5 Credit each semester**

*Prerequisite: None.* Building on the skills of ELA 9 and 10, students will explore different perspectives in a changing world through a variety of texts and writing experiences. This course will focus on fiction and nonfiction with real life applications and connections.

### **Leadership & Literature**

**.5 Credit each semester**

*Prerequisite: Senior status*

Students will examine leadership issues past and present through managed literature choices. Students will explore their own leadership qualities and enhance their leadership potential by reading, writing, discussing, and interacting with texts and each other.

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## Mathematics

### Geometry

**.5 Credit each semester**

*Prerequisites:* None

The emphasis of this course is on geometric figures (including lines, angles, triangles, quadrilaterals, polygons and circles) and their properties. Relationships between two-and-three-dimensional representations, congruence, similarity, transformations, proof and logic are also studied in this course. Algebraic concepts are applied and expanded throughout the course.

### Geometry B

**.5 Credit each semester**

*Prerequisites:* *Placement based upon test scores.* This course covers the topics of geometry at a basic level. Algebraic concepts are applied and expanded throughout this course.

### Algebra 1

**.5 Credit each semester**

*Prerequisites:* *Completion of Geometry or Math Department Chair approval.*

This course provides for the study of the real number system and families of functions including linear, exponential and quadratic. Students will also develop their knowledge of power (including roots, cubics and quadratics) and polynomial patterns of change. Students will develop an understanding that algebraic thinking is a powerful tool that can be used to model and solve real-world problems.

### Algebra 1B

**.5 Credit each semester**

*Prerequisites:* *Successful completion of Geometry B.* This course provides for the study of the real number system and families of functions including linear, exponential and quadratic at a basic level. Students will also begin to develop their knowledge of power and polynomial patterns of change. Students will develop an understanding that algebraic thinking is a powerful tool which can be used to model and solve real-world problems. Students who take this course must enroll in intermediate Algebra B and then Algebra 2B in order to receive credit for Algebra 1 and Algebra 2.

### Algebra 2

**.5 Credit each semester**

*Prerequisites:* *Successful completion of Geometry and credit issued for Algebra 1.* Algebra 2 expands the study of numbers to include complex numbers and includes the study of exponents and radicals, rational expressions, relations and function, primarily quadratic, polynomial, exponential, logarithmic and trigonometric and data collection and analysis.

### Algebra 2B

**.5 Credit each semester**

*Prerequisites:* *Successful completion of Intermediate Algebra B.* Algebra 2B is the final courses in a series of three course that cover Algebra 1 and Algebra 2 content. Students must successfully complete the second semester of Intermediate Algebra B and both semesters of Algebra 2B in order to receive Algebra 2 credit.

This course continues to develop the algebraic thinking and skills begun in Algebra 1B and Intermediate Algebra B. Topics include quadratic relations, conic sections, sequences and series, data collection and analysis, and select trigonometric topics

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**Intermediate Algebra B****.5 Credit each semester**

*Prerequisites: Success completion of Geometry B and successful completion of Algebra B.*

Intermediate Algebra B is the second of a three year series of courses that cover Algebra 1 and Algebra 2 content. Students who take this course must enroll in Algebra 2B in order to receive credit for Algebra 2. This course continues to develop the algebraic thinking and skills begun in Algebra B. Students will study the definitions, representations and attributes of families of functions including exponential, polynomial and logarithmic, systems of equations and inequalities and real and complex numbers.

<b>Science</b>
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**Biology****.5 Credit each semester**

*Prerequisites: Placement based on test scores.* This is a two-semester college preparatory course. Students will focus on a deep understanding of the biological concepts of: inquiry, reflection and social implications, organization and development of living systems, interdependence of living systems and the environment, genetics, genetics and evolution and biodiversity. This is done through a variety of teaching methods, labs, group and individual activities, discussions and cooperative learning.

**Biology B****.5 Credit each semester**

*Prerequisites: Placement based on test scores.* Biology (B) is an adaptive two-semester laboratory-oriented course. Students will focus on the fundamental biological knowledge needed to become science literate. This is done through a variety of teaching methods, labs, group and individual activities, discussions and cooperative learning.

**Chemistry****.5 Credit each semester**

*Prerequisites: Principles of Biology, Geometry, Algebra 1 and/or current enrollment in Algebra 1.* This is a two-semester college preparatory course. Students will focus on a deep understanding of the chemistry concepts of inquiry, reflection and social implications, forms of energy, energy transfer and conservation, properties of Matter and changes in Matter. This is done through a variety of teaching methods, labs, group and individual activities, discussions and cooperative learning.

**Chemistry B****.5 Credit each semester**

*Prerequisites: Course: Biology B and recommendation of Biology teacher.*

Chemistry B is an adaptive two-semester laboratory-oriented course. Students will focus on the fundamental chemistry knowledge needed to become science literate. This is done through a variety of teaching methods, labs, group and individual activities, discussions and cooperative learning. Assessment of students will be done through class participation, group projects, individual projects, labs, homework, quizzes and tests. The focus of this course will be on chemistry core and essential concepts of: Inquiry, Reflection, and Social Implications; Forms of Energy; Energy Transfer and Conservation; Properties of Matter; and Changes in Matter. Laboratory investigations are an integral part of this course which will include the use of computers in science simulations and for gathering, analyzing, and interpretation of data.

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**Physical Science****.5 Credit each semester**

*Prerequisites: Algebra 1 and/or current enrollment in Intermediate Algebra B or Algebra.*

Physical Science is an adaptive two-semester laboratory-oriented course. Students will focus on the fundamental physics knowledge necessary to become science literate. This is done through a variety of teaching methods, labs, group and individual activities, discussions and cooperative learning. The focus of this course is on the physics essential concepts of: Inquiry, Reflection, and Social Implications, Motion of Objects, Forces and Motion, Forms of Energy and Energy Transformations. Laboratory investigations are an integral part of this course which include the use of computers in science simulations and for the gathering, analyzing, and interpretation of data.

**PHYSICS****.5 Credit each semester**

*Prerequisites Courses: Algebra 1 and current enrollment in Algebra 2 and recommendation of Chemistry teacher.*

This is a two-semester college preparatory course. Students will focus on a deep understanding of physics concepts of: Inquiry, Reflection, and Social Implications, Motion of Objects, Forces and Motion, Forms of Energy and Energy Transformations. This is accomplished through a variety of teaching methods, labs, group and individual activities, discussions and cooperative learning. Assessment of students will be done through class participation, group and individual projects, labs, homework, quizzes, and tests. The focus of this course is on physics essential concepts and selected core concepts that comprise the state's high school content expectations for science. Laboratory investigations are an integral part of this course which will include the use of computers in science simulations and for gathering, analyzing, and interpreting data.

<b>Social Studies</b>
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**American Government****.5 Credit each semester**

*Prerequisite: None.* In this one-semester course, students will study the foundations, structure and responsibilities of the United States Government. An understanding of the rights and responsibilities of citizens and the election process will be included.

**American Government B****.5 Credit each semester**

*Prerequisite: Admission to American Government B is by teacher recommendation and approval of Social Studies Department chairperson.*

This one-semester course is for those students experiencing difficulty in reading comprehension. In this course, students will study the foundations, structure and responsibilities of the United States Government. An understanding of the rights and responsibilities of citizens and the elections process will be included. Students will be encouraged to become active in the democratic process by participating in a service learning project.

**U.S. History****.5 Credit each semester**

*Prerequisites: None.* The development of the United States from 1865 to the present is emphasized in this two-semester sequential course. Students develop an understanding of political, economic, religious, social, intellectual and geographic relationships affecting the United States in history and in today's world. Using the Declaration of Independence, the Constitution, the Amendments and other historical documents, student develop knowledge, understanding and application of the core democratic values given in these documents.

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## **U.S. History B**

**.5 Credit each semester**

*Prerequisites: Recommended for students based on reading scores.* This one-year course is for those students experiencing difficulty in reading comprehension. This course looks at the basic chronological development and history of the United States as a nation from 1865 to present and emphasizes the development of study skills, thinking skills and reading comprehension skills. Using the ideas in the Declaration of Independence, the Constitution and the Amendments, students will develop knowledge and understanding of the core democratic values given in these documents. Students develop an understanding of political, economic, religious, social, intellectual and geographic relationships by the study of history.

## **World History**

**.5 Credit each semester**

*Prerequisites: None.* This course will develop a student's understanding of the political and geographic development in civilizations of both the Eastern and Western Hemispheres. Making use of a variety of resources, including an online learning component, the course will cover pre-history through modern times.

## **World History B**

**.5 Credit each semester**

*Prerequisites: Recommended for students based on reading scores.* This course will focus on the development of reading strategies and study skills through the scope of world history. This course will develop a student's understanding of the political, economic, religious, social, intellectual and geographic development in civilization of both the Eastern and Western Hemispheres.

## **Economics**

**.5 Credit each semester**

*Prerequisite: None*

This course is a one-semester course of study on American and global economic systems. The course covers basic economic concepts and a thorough examination of micro and macro economic theories. Emphasis will be placed on understanding economic terms.

## **Economics B**

**.5 Credit per semester**

*Prerequisite: Admission to Economics B is by teacher recommendation and approval of Social Studies Department chairperson.*

This one-semester course is designed to accommodate students who have reading comprehension challenges. This course will include the study of American and global economic systems. The course covers basic economic concepts and thorough examination of micro and macro economic theories. Emphasis will be placed on understanding economic terms.

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<h2><b>Electives</b></h2>
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## **Electives**

**.5 Credit per semester**

A variety of elective courses are offered through the Adult Education Program for high school completion credit. Like those within the LPS curriculum, they vary upon student choice and need and are guided by certified teachers using the *Edgenuity* online learning program. Electives are eligible for .5 credits toward high school diploma completion. Courses may include, but are not limited to, such subjects as Psychology, Sociology, Art, Personal Finance, Humanities, and Health/Personal Fitness.

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