Keeler Centers (Elementary Day Treatment 7th & 8th) Academics & Electives

We draw upon the expertise of our educators and work together to create models of outstanding achievement in every classroom. Through implementing high-quality instructional materials and transforming the academic culture in our school, we challenge and inspire our students to thrive in the world. With a wide variety of academics and some enrichment opportunities aligned with state standards, we support students in unlocking their potential as they extend their skills and talents beyond the classroom. Our core curriculum includes:

- **English Language Arts** - We are committed to nurturing and developing a strong literacy foundation for all students by implementing literacy instructional frameworks that prepare students to become independent readers and writers.
- **Math** - The mathematics curriculum seeks to ensure mathematical competence and confidence in students in mathematics-rich classroom environments.
- **Science** - Classroom experiences in science are connected to real-world phenomena and provide opportunities to engage in science and
- **Social Studies** - Students gain the content knowledge, intellectual skills, and core democratic values necessary for fulling their civic duties in a participatory democracy and effectively engaging in our global society.

Academics

We have highly qualified and certified teachers who deliver rigorous, standards-based curricula. Instruction is delivered according to the needs of the individual student. Our goal is to prepare our students for real world experiences.

Our curricula includes English Language Arts (Reading), Mathematics, Science, Social Studies, Gym, Art and Computers.

Keeler Centers (Adolescent Day Treatment (9^{th} – 12^{th}) Academics & Electives

We draw upon the expertise of our educators and work together to create models of outstanding achievement in every classroom. Through implementing high-quality instructional materials and transforming the academic culture in our school, we challenge and inspire our students to thrive in the world. With a wide variety of academics and some enrichment opportunities aligned with state standards, we support students in unlocking their potential as they extend their skills and talents beyond the classroom. Our core curriculum includes:

- **English Language Arts** - We are committed to nurturing and developing a strong literacy foundation for all students by implementing literacy instructional frameworks that prepare students to become independent readers and writers.
- **Math** - The mathematics curriculum seeks to ensure mathematical competence and confidence in students in mathematics-rich classroom environments.
- **Science** - Classroom experiences in science are connected to real-world phenomena and provide opportunities to engage in science and
- **Social Studies** - Students gain the content knowledge, intellectual skills, and core democratic values necessary for fulling their civic duties in a participatory democracy and effectively engaging in our global society.
- **World Languages** - Students are exposed to and strive to develop effective communication in at least one world language other than English as well as cultural competence to help all our students become better-equipped global citizens.

Edgenuity – Keeler Center supplements our high school classroom instruction with the use of edgentuity. Edgenuity provides an exciting and engaging educational environment that is designed to capture attention and draw students into the interactive world of online and blended learning. Using a combination of animations, simulations, video-led direct instruction, relevant web sites, and a myriad of activities that support the lesson's topic, students have a wealth of information at their fingertips that can be reviewed as many times as necessary to achieve mastery. Edgenuity strongly believes that each student is unique and acquires information in his or her own way. As a result of that belief, our courses are designed to provide students with activities that support the ways they learn best: seeing, hearing, and touching the course materials.

ENGLISH

ENGLISH LANGUAGE ARTS (GRADE 9) COURSE DESCRIPTION: The ninth grade English Language Arts course engages students in activities that develop skills in reading, writing, speaking, and listening. Course curriculum is aligned to the Reading Literature, Reading Informational Text, Writing, Speaking and Listening, and Language domains of the Michigan Common Core State Standards for ninth grade. The course specifically builds content around core themes and essential questions that drive classroom instructional routines to facilitate critical thinking, college and career readiness. Students will engage in close reading, collaborative discussions, analysis of text details, analysis of craft and structure, style, tone, and word choice analysis through multiple entries into fiction, non-fiction and informational texts. The course focuses on reading diverse texts through national and world perspectives, excerpts and full texts of literature and novel studies. Students will engage in various modes of writing such as narrative, explanatory, informational, argumentative, and non-fiction narrative writing. Student knowledge in grammar, mechanics, and usage will also be reinforced through interaction with literature.

ENGLISH LANGUAGE ARTS (GRADE 10) COURSE DESCRIPTION: The tenth grade English Language Arts course continues engagement of students in activities that develop skills in reading, writing, speaking, and listening. The course curriculum is aligned to the Reading Literature, Reading Informational Text, Writing, Speaking and Listening, and Language domains of the Michigan Common Core State Standards for tenth grade. The course specifically builds content around core themes and essential questions that drive classroom instructional routines to facilitate critical thinking, college and career readiness. Students will engage in close reading, collaborative discussions, analysis of text details, analysis of craft and structure, style, tone, and word choice analysis through multiple entries into fiction, non-fiction and informational texts. The course focuses on reading of diverse texts through national and world perspectives, excerpts and full texts of literature and novel studies that foster the analysis of stories, characters, and informational text that allow for conclusions about human condition. Students will engage in writing in various modes such as narrative, explanatory, informational, argumentative, and non-fiction narrative writing. Student knowledge in grammar, mechanics, and usage will also be reinforced through interaction with literature.

ENGLISH LANGUAGE ARTS (GRADE 11) COURSE DESCRIPTION: The eleventh grade English Language Arts course continues engagement of students in activities that develop skills in reading, writing, speaking, and listening. The course curriculum is aligned to the Reading Literature, Reading Informational Text, Writing, Speaking and Listening, and Language domains of the Michigan Common Core State Standards for eleventh grade. The course specifically builds content around core themes and essential questions that drive classroom instructional routines to facilitate critical thinking, college and career readiness. Students will engage in close reading, collaborative discussions, analysis of text details, analysis of craft and structure, style, tone, and word choice analysis through multiple entries into fiction, non-fiction and informational texts. The course deepens understanding of the impact of language on

culture and language's ability to drive initiatives within society. The course focuses on reading of diverse texts through analysis of seminal and other historical founding documents, and historical events and experiences through excerpts, poetry, short stories, and full texts of literature and novel studies that foster critical analysis. Students will engage in writing in various modes such as narrative, explanatory, informational, argumentative, and non-fiction narrative writing. Student knowledge in grammar, mechanics, and usage will also be reinforced through interaction with literature

ENGLISH LANGUAGE ARTS (GRADE 12) COURSE DESCRIPTION: In the 12th grade English course, students are required to explore a more intense and rigorous study of reading, writing, speaking, viewing and listening. Students may engage in deeper novel studies and experience the traditional twelfth grade course through additional literary analysis and heightened performance tasks. The course curriculum is aligned to the Reading Literature, Reading Informational Text, Writing, Speaking and Listening, and Language domains of the Michigan Common Core State Standards for twelfth grade.

SOCIAL STUDIES

CIVICS COURSE DESCRIPTION: With inquiry under the C3 Framework, students explore political systems and structures in order to navigate those systems effectively. They will deepen their knowledge of the United States democratic system through an understanding of constitutional principles. Students will explore current political policy issues both domestic and foreign. Students learn about civic engagement to inspire them to become engaged in our political system. This course is aligned to the Michigan High School Content Expectations and is a semester long course.

ECONOMICS COURSE DESCRIPTION: With inquiry under the C3 Framework, students explore economic principles and structures in order to navigate those systems effectively. They will deepen their knowledge of the United States economic system from a micro to macro level. Students will explore current economic policy issues both domestically and internationally. Students will also learn wise consumer habits. This course is aligned to the Michigan High School Content Expectations and is a semester long course.

U.S. HISTORY & GEOGRAPHY COURSE DESCRIPTION: With inquiry under the C3 Framework, students explore the post-Civil War Industrial Age through the present day. Students gain broader awareness of major political, philosophical, and historical underpinnings of our government, which they use to analyze how ideas of freedom and equality have shaped our collective past and explore implications for the future. Within this framework, major geographic themes are infused using historical context. This course is aligned to the Michigan High School Content Expectations and is a yearlong core curriculum course

WORLD HISTORY AND GEOGRAPHY COURSE DESCRIPTION: With inquiry under the C3 Framework, students explore the growth and development of major religions, the rise and fall of civilizations and empires, the spread of ideas and technology, the impact

of imperialism, nationalism, and independence movements, and global conflicts from about 1200 AD to the present. Students will expand their historical thinking skills by analyzing primary sources for context, corroboration, and sourcing. This course is aligned to the Michigan High School Content Expectations and is a yearlong core curriculum course.

MATH

ALGEBRA I COURSE DESCRIPTION: In Algebra I, students learn representations of functions using graphs, tables, equations, and contexts. The course focuses on solving equations and inequalities using a variety of strategies. Students solve systems of two equations and inequalities with two variables using a variety of strategies. Students analyze representations of arithmetic and geometric sequences, use exponential models to solve problems, and investigate a variety of functions including square root, cube root, absolute value, piecewise-defined, step, and simple inverse functions. The course also includes the study of statistical analysis of two-variable data and distributions of one-variable data.

ALGEBRA II COURSE DESCRIPTION: In Algebra II, students visualize, express, interpret, describe, and graph functions (and their inverses, in many cases). Students will represent functions with an equation, and vice-versa, and transform graphs, including those from the following function families: absolute value, exponential, linear, logarithmic, piecewise-defined, polynomial, quadratic, square root, and trigonometric. Students will recognize the connections between multiple representations. Students rewrite rational expressions, perform arithmetic operations on polynomials, and study the relationship between zeros and factors of polynomials.

GEOMETRY COURSE DESCRIPTION: In this course, students study geometric transformations (reflection, rotation, translation, dilation) and symmetry. Students explore relationships between figures (such as similarity and congruence) in terms of rigid motions and similarity transformations. Proofs of geometric theorems, using coordinates to prove geometric theorems, and modeling with geometry are also studied in detail. Students also study tools for analyzing and measuring right triangles, general triangles, and complex shapes. This study includes the Pythagorean Theorem, trigonometric ratios, the Law of Sines, and the Law of Cosines. Geometry also includes the study of theorems about circles, including arc lengths and areas of sectors. Topics on probability and statistics are also included.

SCIENCE

BIOLOGY COURSE DESCRIPTION: A year-long laboratory science course that investigates the processes of living things, biochemical cycles, and cellular mechanisms

that maintain homeostasis. Inquiry standards are taught in the context of stable internal environments, photosynthesis, respiration, mitosis and meiosis, heredity, organization of living things, and evolution. This course is based on the MDE state adopted standards.

CHEMISTRY COURSE DESCRIPTION: A year-long laboratory science course that is designed to help students understand basic chemical principles and master problem-solving skills. Students develop an understanding of concepts of chemistry with a focus on chemical bonding, chemical structure, reactions and reactivity, matter and its changing composition, families of elements and equation writing. The performance expectations of the course will focus on scientific practices including developing and using models, planning and conducting investigations, analyzing and interpreting data, using mathematical and computational thinking, constructing explanations and engaging in argument from evidence. This course is based on the MDE state-adopted standards.

PHYSICS COURSE DESCRIPTION: A year-long laboratory science course that examines the relationships between matter and energy, and the importance and applicability of this interaction. Using foundational concepts of physics and basic Algebra I skills, students solve real-life problems. Inquiry standards are taught with a focus on force and motion of objects and electricity and magnetism. Content areas include physics process skills, mechanics and thermodynamics. This course is based on the MDE state-adopted standards.

EARTH AND SPACE SCIENCE COURSE DESCRIPTION: A year-long laboratory science course that explores the processes that shape the Earth and explain the universe. This course will explore the four main branches of Earth Science, which includes the following: geology, oceanography, meteorology, and astronomy. Students will learn in detail about the Earth's interior and the theory of plate tectonics and Earth's systems and their interactions. Students will also explore the current theories that describe the formation of Earth, our Solar System, and the universe. This course is based on the MDE state-adopted standards.

ENVIRONMENTAL SCIENCE COURSE DESCRIPTION: A year-long laboratory science course that explores topics on the interactions of humans, other living organisms, and the environment. Content areas include ecology, biotechnology, population, biodiversity, conservation, natural resources, natural hazards, and the human impact on the earth, global climate change, and human health. This course is based on the MDE state-adopted standards.

WORLD LANGUAGE

SPANISH I COURSE DESCRIPTION: Learners communicate minimally on very familiar topics by using simple, highly contextualized words, sentences, and questions related to

themselves, home, family, friends, neighborhood, school, community, professions and environment that have been practiced and memorized. They recognize some familiar words and phrases when they hear or read them. They communicate some basic information about their everyday life using two or three words or memorized expressions. They can reproduce a modest number of words and phrases in context when writing about well-practiced, familiar topics and supply limited information on simple forms and documents. They may be understood with difficulty by sympathetic native speakers who are very accustomed to interacting with language learners. Learners show awareness of the most obvious cultural differences or culturally unacceptable practices.

SPANISH II COURSE DESCRIPTION: Spanish II Learners communicate and exchange basic information about familiar topics related to self, home, family, friends, neighborhood, school, community, professions, and environment using phrases and simple sentences. They recombine and reformulate memorized language in the present and in the future, and report series of isolated events in the past. They interact in short, social, everyday situations by asking and answering simple questions. They write short messages, postcards, and simple notes within the context in which the language was learned. They are understood primarily by native speakers who are sympathetic and accustomed to interacting with language learners. They recognize pieces of information (familiar words, phrases, and sentences) within short and simple messages related to everyday life and understand the main topics of what is being said or read. They show awareness of the most obvious cultural differences or culturally unacceptable practices.

PHYSICAL EDUCATION & HEALTH

HEALTH EDUCATION COURSE DESCRIPTION: Topics covered within Health Education courses may vary widely, but typically include infectious diseases (STIs - HIV/AIDS, etc.), personal health (nutrition, mental health, physical health, abuse prevention, social/emotional health, body systems, and first aid) and consumer health issues. The courses may also include brief studies of environmental health, personal development, and/ or community resources.

PHYSICAL EDUCATION COURSE DESCRIPTION: Physical Education—General courses involve content that is not grade differentiated and may apply to a range of consecutive grades. These courses provide broad content that is not organized as described elsewhere.