



FOR YOUTH DEVELOPMENT®
FOR HEALTHY LIVING
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Brace Family YMCA Homeschool Program
Winter 2019 Course Descriptions

MONDAY: HEMBY PROGRAM CENTER

9:00-9:50

Ages	Course	Description
6-12	Engineering	Introduces the engineering design process; invokes imagination, problem-solving, and teamwork.
6-10	World Cultures	Language explorations including Spanish, French, and Sign Language plus geography.
10-13	Math 6/5	Required text: Saxon 6/5 text, 3rd ed. Students should take placement test before registering. <i>Must enroll for three sessions to complete a full year course.</i>
10-15	Fashion Design Club	Explore the fashion design industry. Students will explore type, season, look books, runway looks, PR coverage, fabrics, and textiles.

10:00-11:50 (Class – 10:00-11:00, Lunch – 11:00-11:50)

6-9	Math	Hands-on, minds-on math class using manipulatives, songs, games, and more!
7-10	Math 5/4	Required text: Saxon 5/4 text, 3rd ed. Students should take placement test before registering. <i>Must enroll for three sessions to complete a full year course.</i>
12+	Literature & Composition	Investigate details, motives, and themes in classic/contemporary literature while sharing ideas and thoughts through discussions and group activities.
7-13	American Sign Language	In this introductory course, students learn to communicate with sign language.
10+	Speech	Become a powerful communicator in this fast-paced public speaking course.
12+	Microsoft Office Suite	Students will gain proficiency in Microsoft Word, Excel, and Power Point

12:00-1:30 (Specialty Block)

6-10	STEAM Sampler	Enjoy a selection of our most popular STEAM activities including Legos, logic, messy art & science, and engineering in a fun and engaging learning environment.
10-15	Language Arts	Literature: classic and modern novels, short stories, & poetry. Required texts: IEW Rockets, Radar, and Robotics, IEW Fix-It Grammar (please give placement test to determine your child's level). Required Novels winter session: <u>The Gift of the Magi</u> O. Henry, <u>Number the Stars</u> Lowry, Lois, Ryan, <u>Echo</u> Pam Munoz
6+	Outdoor Education	Get your child outside for outdoor adventures, physical education, and nature studies utilizing our beautiful 22 acre campus. Exciting activities each week!



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12+ American Sign Language

Students will learn basic signs and communication. **Required text: Signing Illustrated, Revised Ed. The Complete Learning Guide by Mickey Flodin.** *Must complete all 3 sessions for sign language credit.*

TUESDAY: HEMBY PROGRAM CENTER

9:00-9:50

Ages	Course	Description
9-14	World History	Required text: Story of the World, Vol 4. Explore the Modern Age with themed activities. Weekly homework.
10-15	Creative Writing	Learn the essential elements of creative writing and story-telling and how to edit for grammar and content.
6-9	Art	Draw, paint, and sculpt all the things you don't want to do at home! Please wear appropriate clothing.

10:00-11:50 (Class – 10:00-11:00, Lunch – 11:00-11:50)

10+	Spartan Training	Agility class to develop overall body strength, grit, dynamic balance, coordination, and mental toughness.
11+	Logic	Develop mathematical reasoning skills through formal logic & fast-paced games.
11+	Writing	Learn about people & events in U.S. History, from explorers to the 20th century, while learning to write with structure and style. Required text: U.S History-Based Writing Lessons by IEW.
6-9	Science A	General science class incorporating experiments, drawings, songs, and models.
11+	Photography	Composition basics, perfect for use with smartphones or cameras.

12:00-1:30 (Specialty Block)

10-15	Language Arts	Literature: classic and modern novels, short stories, & poetry. Required texts: IEW Rockets, Radar, and Robotics, IEW Fix-It Grammar (please give placement test to determine your child's level). Required Novels winter session: <u>The Gift of the Magi</u> O. Henry, <u>Number the Stars</u> Lowry, Lois, Ryan, <u>Echo</u> Pam Munoz
6+	Outdoor Education	Get your child outside for outdoor adventures, physical education, and nature studies utilizing our beautiful 22-acre campus. Exciting activities each week!
10-15	STEAM Sampler	Enjoy a selection of our most popular STEAM activities including Legos, logic, messy art & science, and engineering in a fun and engaging learning environment.
13-17	Visual Basic Programming	Students will learn the language of and programming in Visual Basic.



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WEDNESDAY: HEMBY PROGRAM CENTER

9:00-9:50

Ages	Course	Description
10+	Pre-Algebra	Required text: Saxon Algebra 1/2, 3rd ed. Students should take placement test before registering. <i>Must enroll for three sessions to complete a full year course.</i>
6-9	Reading / Literature	Promote an avid love for reading books and poetry through read-alouds, crafts, and weekly phonics study.
10-15	Science C	General science for older middle grade students.
9-14	Latin A	Appropriate for newcomers to Latin. Students will experience grammar and vocabulary in a lively way. Required text: Latin for Children, Primer A

10:00-11:00 Class, 11:00-11:50 Lunch

11+	Geography	Explore the physical features, monuments, animals, industries, and cultures of the world while creating maps and memorizing countries, capitals, and topographical features.
10-15	Math 7/6	Required text: Saxon 7/6 text, 4th ed. Students should take placement test before registering. <i>Must enroll for three sessions to complete a full year course.</i>
10+	Visual Arts	Draw, Paint, Sculpt, Create! – the best of Pinterest for teens
9-12	Science B	General science for younger middle grade students.
6-12	Engineering	Introduces the engineering design process; invokes imagination, problem-solving, and teamwork.

12:00-1:30 (specialty block)

6-10	Language Arts	Grammar, literature, and writing; students will read novels and learn IEW's structure & style writing methods. Required text: IEW Fix It Grammar: The Nose Tree, All Things Fun and Fascinating by IEW
11+	Algebra 1 / Logic	Required text: Saxon Algebra 1, 3rd ed. Students should take placement test before registering. <i>Must enroll for three sessions to complete a full year course.</i>
10-15	World Cultures / Spanish B	Explore cultural aspects of the Spanish speaking, world, learn Spanish vocabulary, greetings and basic conversational skills.
6+	Outdoor Education	Get your child outside for outdoor adventures, physical education, and nature studies utilizing our beautiful 22-acre campus. Exciting activities each week!



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THURSDAY: HEMBY PROGRAM CENTER

Students must enroll in all 3 sessions to qualify for high school credit.

9:00-9:50

Ages	Course	Description
12+	Algebra I	Students should take placement test before registering. Required text: Saxon Algebra 1, 3rd ed.
13+	Biology	Full high school biology course. Required text: Science Shepherd Biology & Lab Manual.
14+	Debate	Public forum & team policy
10+	Short Stories/Poetry	Required text: Poetry & Short Stories American Literature 19th-20th Centuries by Memoria Press
10+	Creative Writing	Learn the essential elements of creative writing and story-telling and how to edit for grammar and content.

10:00-10:50

12+	Psychology	Introduction to the essential topics in psychology with weekly required homework.
10+	Spartan Training	Agility class to develop overall body strength, grit, dynamic balance, coordination, and mental toughness.
14+	Chemistry	Full high school chemistry course. Required text: Modern Chemistry: 2002 Student Edition
10+	Creative Arts	Art history, photography, and artistic elements--complete all 3 sessions for a year of art credit.
12+	Personal Finance	Required text: Foundations in Personal Finance: Homeschool Student Text (new edition) by Dave Ramsey

11:00-11:50

14+	Spanish II	Intense conversational Spanish course including grammar and vocabulary. Prerequisite: Spanish I
10+	Logic/Game Theory	Develop mathematical reasoning skills through formal logic, fast-paced games, and game strategy.
14+	World History	Survey of Fall of Rome to 20th century emphasizing major civilizations and events through reading and writing assignments. Required text: Western Civilization, Beyond Boundaries, fifth ed. (Dolphin Edition).
13+	Algebra II	Must have completed Algebra I with an A. Required text: Saxon Algebra II, 3rd Ed.
12+	Physical Science	Introduction to chemistry, physics, and Earth science. Required Texts: Exploring the World of Physics; Exploring the World of Chemistry by John Hudson Tiner



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THURSDAY: HEMBY PROGRAM CENTER (cont.)

Students must enroll in all 3 sessions to qualify for high school credit.

11:50-12:30 Lunch

Option to register for 11:50 or 12:30 shuttle to Brace.

12:30-1:20

14+	Pre-Calculus	Must have completed Algebra II with an A. Required text: Saxon Advanced Mathematics, 2nd ed.
14+	Spanish I	High school conversational Spanish course including vocabulary and grammar.
14+	Sociology	An introductory course in which students will develop an understanding of social interaction, social organization, social institutions, and social change. Required Text: Sociology – A Christian Approach for Changing the World
14+	American Literature	Required novels for the year: <i>Autobiography of Benjamin Franklin, Last of the Mohicans, Collected Works of Washington Irving, Moby Dick, The Adventures of Huckleberry Finn, The Great Gatsby</i>
14+	Applied Math	Required text: Abeka Consumer Mathematics
13+	Microsoft Office Suite	Students will gain proficiency in Microsoft Word, Excel, and Power Point.

1:25-2:15

14+	British Literature	College prep literature & composition. Required text: British Literature by Janice Campbell
14+	US History	Survey course covering Reconstruction through the 20th century; includes reading and writing assignments. Required text: The Unfinished Nation: A Concise History of the American People, Vol. 2 by Alan Brinkley
14+	ACT Prep	This class will use proven test-taking strategies including preparation and pacing to succeed on test day. Required text: 10 ACT Practice Tests, Fifth Edition. Published by McGraw-Hill Education.
14+	Anatomy & Physiology	Prerequisites: chemistry and biology--must have an A in both classes. Required texts: The Anatomy Coloring Book; Exploring Creation with Advanced Biology: The Human Body.
14+	Outdoor Education	Get your child outside for outdoor adventures, physical education, and nature studies utilizing our beautiful 22-acre campus. Exciting activities each week!



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THURSDAY: HEMBY PRESCHOOL BUILDING

9:15-12:15

Ages	Class	Description
4-6	Explorers	Explorations in reading, math, science, Spanish, and outdoor education at the Hemby Program Center.
6-10	Adventurers	Adventures in reading, math, science, Spanish, and outdoor education at the Hemby Program Center.

Students age 5+ (must be at least 40 pounds) have the opportunity to sign up for the shuttle to Brace for PE. They will have lunch at Hemby and ride the shuttle to Brace where they will be met by their PE teachers. Students who take PE will be picked up by their parents in Room 2 at Brace Family YMCA at 1:50.



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MONDAY & WEDNESDAY: CENTRAL CHURCH LAKE PARK
Classes meet twice a week from 9:15 – 1:00, Optional Extended Day 1:00 - 2:30

Ages-(may vary slightly as students are grouped by math level)	Course	Description & Required Text (in bold)
4-5	Science, Math, Social Studies Phonics, Reading	Directed learning experiences in math, science, language arts, and social studies
6-8	Math, History, Science, Reading Spelling, Writing, Grammar	Saxon Math 2 or Saxon Math 3 —give placement test at home The Story of the World, Vol. 4 IEW – All Things Fun & Fascinating Easy Grammar 2 Literature—Science —unit studies
8-10	Math, History, Science, Reading Spelling, Writing, Grammar	Saxon Math 5/4 The Story of the World, Vol. 4 Science: Inventions and Technology by Answers In Genesis Literature – novels, short stories, and poetry IEW – All Things Fun & Fascinating IEW – Fix-It Grammar – The Nose Tree or Easy Grammar (for at home use)
10-13	Math, History, Science, Reading Spelling, Writing, Grammar	Saxon Math 6/5 The Story of the World, Vol. 4 Science: Inventions and Technology by Answers In Genesis Literature – novels, short stories, and poetry IEW – Rockets, Radar, and Robotics IEW – Fix-It Grammar – The Nose Tree or Easy Grammar (for at home use)
11-14	Math, History, Science, Reading Spelling, Writing, Grammar	Saxon Math 7/6 The Story of the World, Vol. 4 Science: Inventions and Technology by Answers In Genesis Literature – novels, short stories, and poetry. IEW – Rockets, Radar, and Robotics. IEW – Fix-It Grammar – The Frog Prince, or Just Deserts OR Easy Grammar (for at home use)



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12-15

Math, History, Science, Reading
Spelling, Writing, Grammar

Saxon Math 8/7

The Story of the World, Vol. 4

Science: Inventions and Technology by Answers In Genesis

Literature – novels, short stories, and poetry.

IEW – Rockets, Radar, and Robotics.

IEW – Fix-It Grammar – The Frog Prince, or Just Deserts OR Easy Grammar (for at home use)

4-15 (grouped by
age)

Extended Day—1:00-2:30 (add
on)

Electives rotate throughout the year and will include writing and math tutoring, PE, fine arts, and STEAM activities.