



BraveTree Educators

2021-2022 Course Descriptions

B Level – 4th- 6th grade

C Level – 7th and 8th grade

D Level – High School

The following classes cover two semesters. C level students will be considered for a D level “only” class if the student is mature and academically prepared for the subject matter. Each student is required to bring their own school supplies, (i.e. scissors, pens, pencils, colored pencils, notebook paper, glue sticks, etc.). A detailed supply list will be provided in each class syllabus from the teacher. Please note that all class fees are per student.

1st Period Options

B/C Level Build Your Own Book: Art and Words Student Fee \$25.00

We all have a story to tell. This class will focus on unleashing creativity through art processes and media, writing prompts, silly projects, and experiments. We will do this through building mixed media art journals throughout the entire year.

B/C/D Level American Sign Language Student Fee \$10.00

This class is designed for mature 5th grade students and up. Using curriculum by Bill Vicars, students will develop signing skills through in-class instruction, hands-on group activities, and videos. Students will need to watch short, assigned videos through the week to practice what they have learned.

C/D Level Piano 2: Beginner-Early Intermediate

Materials required: Keyboard, keyboard stand, music stand, keyboard bench, headphones, sustain pedal, folder or 3 ringed binder.

Pre-requisite: Piano 1. This class will build on the Piano 1 class (formerly Intro to Beginner Keyboarding). The first part of this class will review music theory concepts and material from the previous year leading into becoming further acquainted with reading/memorizing chords, chord charts, lead sheets, and fake sheets.

C/D Level Astronomy and Meteorology Student Fee \$10.00

Materials required: Master Books, The New Astronomy Book and The New Weather Book

<https://www.masterbooks.com/catalog/product/view/id/2189>

<https://www.masterbooks.com/catalog/product/view/id/2292>

Turn your eyes to the sky! In this class we will learn about heavenly bodies, their locations, and how they move. The properties of planets, galaxies, and the mystery of black holes will be explored. In meteorology we will focus on the importance of weather patterns, the jet stream, and water runoff.

2nd Period Options

B Level Still Image Student Fee \$25.00

This class will cover forms of stop motion- object motion, claymation, brick filming, and puppet animation. We will also work with photography, prop setup and design, lighting, and editing. Useful but not required- iPhone or something similar to film with.

2021 – 2022 Course Descriptions

B/C Level Applied Engineering Student Fee \$20.00

Materials required: Discovery of Design, by Donald DeYoung & Derrik Hobbs and Made in Heaven, by Ray Comfort & Jeffrey Seto. Both books are available at www.MasterBooks.com.

Engineers and inventors have long examined God's creation to understand and copy complex, proven mechanics of design in science known as biomimicry. Much of this inspiration is increasingly drawn from amazing aspects of nature in search of wisdom and insight. We are surrounded daily by scientific advancements that have come from everyday items, simply because man is copying from God's incredible creation. This course will be a hands-on exploration of how biomimicry is used to advance science and technology. There will be reading requirements for this course.

C/D Level Homesteading Skills Student Fee \$15.00

Students will compile a seasonal homestead journal/calendar. Methods/skills include: gardening/foraging/livestock/hunting for food and home remedies, food preservation and managing a productive property. Off grid and grid "lite" alternative options for utilities. Useful tools, equipment, and systems. We will discuss both the good and the not so pretty sides of this challenging lifestyle. Students will be encouraged to become less consumer driven and more motivated towards a productive lifestyle for independence and to bless others. This class may have at home videos/reading assignments and will most definitely have suggested at home extensive activities.

C/D Level The Golden Thread of American History

Materials required: The American Story The Beginnings, by David Barton and Tim Barton and the Bible. Strongly recommended supplemental resource, America's God and Country Encyclopedia of Quotations by William J. Federer. A "Golden Thread" refers to a connecting ribbon or filament interlaced throughout a valuable tapestry. That Golden Thread is not necessarily prominent-it does not always command immediate attention; however, if searched for, it becomes evident. Running throughout the entirety of a fabric, it not only helps hold it together but also greatly increases its beauty, uniqueness, and worth.

The Golden Thread in American history is the superintending providence of Almighty God. It includes both His interventions that are recognized by men and women, as well as those that are not. Without them America would not have become the nation she has. Students will join the course instructor for a journey through America's captivating (His)tory as he points out interesting stories and incidents affirming the Golden Thread of God's Providence in American history. This course will not be a boring recitation of facts and figures from an irrelevant bygone era. We will learn the American Story by looking at the lives of key individuals who shaped and impacted the nation and how God was directly involved in their lives.

3rd Period Options

B/C Level More Than Words Student Fee \$15.00

Using the Master Books, More Than Words Level 2 curriculum students will dive deeper into their relationship with God. Through special missions, and Scripture studies, as well as poetry, hymn, and picture studies the class will learn how to test everything with the Word of God. This class also has a creative writing component as students journal their thoughts throughout the year.

B/C/D Level Piano 1: Beginner Piano

Materials required: Keyboard, keyboard stand, music stand, keyboard bench, headphones, folder or 3 ringed binder. This class is for students with little to no prior piano experience; it will offer a more casual approach to learning piano: chord-based piano playing. This class will lightly focus on traditional music notation to lay the foundation for learning

2021 - 2022 Course Descriptions

piano chords. Students will learn to read beginner level sheet music eventually leading to their learning to read lead sheets, fake sheets, and chord charts.

C/D Level Your Story: Visual Narrative Through Art Student Fee \$25.00

Learn how to bravely explore various art media, capture your thoughts and dreams with words, and put your unique story into a multimedia art journal of you. There will be writing, lots of art, lots of exploring, poetry, and delving questions as we create a visual narrative of ourselves.

D Level Biology Student Fee \$15.00

Materials required: Master Books Biology by Dr. Dennis Englin.

Class discussion will cover concepts from all areas of biology. We will discuss basic biologic chemistry, learning about carbohydrates, lipids, and proteins. We will discuss ecosystems, plant biology, and cells. Students will also learn about genetics and taxonomy. Students will be expected to do weekly reading and will need to complete some lab reports at home. Class time will be spent doing hands on activities related to the reading. We will do microscope work. There will be some dissection activities in class. There will be no in class testing.