**SHADY GROVE ELEMENTARY**

**ASE FALL 2017 CLASS DESCRIPTIONS**

**SEPTEMBER 26- NOVEMBER 2**

**TUESDAYS & THURSDAYS 2:30-3:30**

**TUESDAY CLASSES**

**Beginning Sewing**

**Grades 2-5**

Students will learn beginning sewing techniques.  We will learn the basic functions of a sewing machine and complete simple projects.  Class taught by Ms. Lynn. **(Min:5, Max:10)**

**Fun with Frosting and Fondant**

**Grades 3-5**

 Have you ever wondered how bakers make frosting and decorate with fondant?  Worry no more.  Come learn how to make a simple buttercream frosting!  You will ice and decorate cakes and cupcakes.  The best part, you will be able to bring home and/or eat your decorated masterpieces!  Supplies included.  Class taught by Mrs. Manning. **(Class size, Min:3, Max:10)**

**Wheels in Motion with LEGO Bricks**

**Grades 1 – 5**

These wheels are ready to roll! Students will use LEGO® Bricks, axles, pulleys, gears, motors and more to build a variety of models on wheels. Some are familiar vehicles, such as a fire engine and delivery truck. Other amazing models, such as the Rescue Robot and K-9 Bot, will give students more to learn. Do you have a need for speed? Put your Speed Bot model to the test as you race against others! We’ll explore concepts of speed and force, and gain non-vehicle knowledge from the unconventional Wheels in Motion models as well. Let’s roll! Class taught by Bricks 4 Kidz. **(Class size Min:10, Max:20)**

**Challenge Island’s SHARKTOOTH ISLAND**

**Grades 1-5**

Get ready to chomp into some Fintastic challenges on Shark Tooth Island! You and a tribe full of friends will test your STEM savvy at action-packed destinations like Great White Bridges, Blow Cart Beach and Ice Cream Stream. Don’t miss out on this amazing Challenge Island Adventure! Class taught by Challenge Island.

**(Class size, Min:8, Max:25)**

**Basketball 2:30 – 3:30**

**Grades 3-5**

This program is designed to teach all aspects of basketball while having fun! Work with Coach Foley on the basic fundamentals of shooting, ball handling, passing, and defense. Play 3 on 3 and 5 on 5 along with exciting shooting games. Come join us for 6 wonderful days of basketball! Class taught by Bob Foley. **(Class size, Min:15, Max:25)**

**THURSDAY CLASSES**

**Guitar Playing**

**Grades 3-5**

Description: Learn to play guitar! Newbies and non-newbies welcome! Ideally, students should be able to bring a guitar to class each week (acoustic or electric with amp and cable), but if you are unable to access a guitar, please contact SGES, as we may be able to borrow some. We will focus on the foundations of guitar playing, but lessons will be tailored to each child’s skill level and musical interests. Classes are taught by Mr. Hein, guitarist, keyboardist, and singer/songwriter for local bands Light jars and Lost Satellites. **(Class size, Min:3, Max:8)**

**Coding: Game Design**

**Grades 3-5**

Come build the game you’ve always wanted to play! Students will learn about character creation, animation, gaming principles, all while learning elementary coding concepts. Class taught by Tech EM Studios. **(Class size, Min:6, Max:20)**

**Love & Fairways: An Introduction to Golf & Tennis**

**Grades 1-5**

Get started on the path to lifelong fun and fitness with golf and tennis--A combination of instruction, play and practice lands this class squarely in the sweet spot!! This class will cover the basics of each sport, including scoring, balance and movement, putting, chipping, backhand, forehand, serves and grips.  Coaches will supply everything students need for class, so students just need to bring a smile and willingness to have a LOT of fun! Class taught by Sportz4Life. **(Class size, Min:5, Max:40)**

**Just Crafting Around**

**Grades 1-5**

Description:   Let your creativity shine!  Join in the fun each week and be prepared to make and create a new craft to take home and enjoy!  Supplies included. Class taught by Mrs. Graves. **(Class size, Min:5, Max:10)**

**World of Wizards**

**Grades 3-5**

Calling all wizard fans! This is like no other class you have ever experienced. We will take a magical journey into the world of wizards. We will design trading cards, make a personal crest, create a treasure hunt, have a Triwizard tournament, and participate in activities that will astound all Muggles. Class taught by Little Scholars. **(Class size, Min:10, Max:20)**

**Mechanical Engineering**

**Grades 3-5**

During the Mechanical Engineering class, students use the Engineering Design Process to design, create, test, and improve a variety of machines and mechanical systems. Students learn basics of energy, traction, aerodynamics, and durability while constructing marble runs, roller coasters that loop, catapults, air powered dragster, and a rubber band racer. Class taught by Engineering 4Kids. **(Class size, Min:10, Max:20)**

**Robotics: Wild Animals using LEGO WeDo**

**Grades 1-2**

Using LEGO® bricks and motors, students will investigate the behaviors of wild animals while building and programing their own creations to move. Students join the LEGO® story characters of Max and Mia and find themselves encountering various animals in their natural habitats. Using the WeDo® software, children will build and program lions, monkeys, birds, and alligators to move and make sounds. Through the use of open discussion, students discover how animals behave and interact with their environment. Everyone in this class will have a ROARING good time! Class taught by Engineering 4Kids.

**(Class size, Min:10, Max:16)**