**Resources Available in the Shelby County Extension Office**

As of January 5, 2023

**Iowa 4-H Clover Kids STEM-Lit to Go! – Third Office**

 Bubbles Children investigate bubbles and their shape

 Curious Candy Children investigate the engineering process as they design a

candy machine to deliver chocolate

 Healthy Hearts Children investigate how the heart works and ways to keep it

healthy

Inventor’s Hat Children investigate the invention process to design and create a new or improved invention

Lots of Light Children investigate the properties of light and the role of cause and effect

Popping Popcorn Children investigate popcorn and compare white and yellow kernels

Roller Coasters Children investigate force and motion using model roller coasters to plan and conduct force and motion investigations

Sunny Sunshine Children investigate UV rays and ways to be safe in the sun

Super Sled Children investigate friction and design a super sled

Terrific Trees Children investigate trees and discuss their importance in our lives

Wonderful Wind Children investigate the power of the wind to plan and conduct wind investigations

**STEM-Lit To Go! Iowa** (2018) – Third Office

A Chair for Bear Children work with the engineering design process to build a chair for Goldilocks

Blast Off Children learn about being an astronaut and participate in space themed learning activities

Code Across Iowa Children will practice coding and problem-solving skills as they learn about Iowa

Hour at the Fair Children participate in a variety of STEM-literacy activities while learning more about the Iowa State Fair

Marvelous Marshmallows Children learn about an Iowa connection to a famous marshmallow treat and conduct marshmallow investigations

Munching Mysteries Children learn about the mystery and biography genres and how to solve mysteries

Scream for Ice Cream Children explore chemistry and the states of matter through investigations that end in a delicious sweet treat-ice cream

Sound All Around Children learn about the elements of music such as rhythm and pitch, how sound is produced and design their own instruments

Super Shapes Children will learn about shapes and explore shapes in their world

Take a Chance Children participate in various games of chance to learn about math concepts

Tricky Towers Children participate in the engineering design process as they learn more about structures and STEM professions

Wonders of Nature Children learn about natural resources and the importance of environmental conservation

**Art – Lit to Go!** (2019) – Third Office

 Mistake to Masterpiece Children learn that mistakes are a part of the creative

process and that they can grow and learn from mistakes

 Lines on Signs Children learn about lines as they work together to plan,

design and create a road mural

 Shape-O-Saurus Children will learn about shapes and use shapes to create

artwork on stones

 Color Creation Children will learn about color theory by identifying

primary and secondary colors through color mixing

 Stunning Sculptures Children learn about sculpture and create 3-D works of art

by shaping or combining materials

 Touch-and-Feel Texture Children learn about texture through exploring textures

and creating a touch-and-feel book

 Lots of Layers Children learn about collage by creating a paper pizza

**STEAM’n Through the Seasons** (2021) – Third Office

Apple’licious Children learn about the life cycle of the apple tree and the many uses of apples

Pumpkin Exploration Children will learn about the life cycle of a pumpkin

Scurrying Squirrels Children learn how squirrels prepare for winter and use the engineering design process to design and build a contraption to move acorns

Gingerbread Time Children will use the engineering design process to guild a gingerbread house

Snow Spectacular Children learn about blizzards and explore how meteorologists use tools to forecast weather and help people prepare for severe weather

Gifts from the Heart Children learn the importance of giving to others by measuring and creating a delicious gift in a jar

Traptastic Children learn about the engineering design process and dimension creation in art

Bitty Bunnies Children learn about rabbits and explore how animals help their babies survive

Sensational Seeds Children learn the parts of a seed and what they need to grow

Dirt and Worms Children will learn about worms and their four main parts

Summer Celebrations Children explore educational centers while learning about fun things that happen during summer celebrations

Make a Splash Children learn how to test and improve designs for a water transportation device

**Books for Cooks** (2022) – Third Office

 A Dairy Yummy Treat Children learn to cream dairy foods to the desired consistency

 Breakfast Basics Children learn to beat a mixture using a whisk

 Eye Grow Potatoes Children will learn how to chop, peel and dice foods

 Fabulous Friends & Foodies Children learn knife safety and proper techniques for

chopping and dicing fresh produce

 Farm Frenzy Children will learn how to cut fruit and squeeze fruit to make juice

 Fast Flipping Children will learn how to flip pancakes with a spatula

 Let’s Taco Bout Spices Children learn how spices and seasonings enhance flavor

 Nothing is Im-Pasta-Ble Children learn the proper technique for boiling pasta

 PB & J Yay! Children will learn to mash and blend foods to change the

consistency

 Secret Ingredient Children learn the importance of following directions when baking

 Silly Sandwich Children learn about yeast and why it is needed when baking

bread

 What’s Your Beef? Children learn where beef comes from and important practices

for safely preparing and cooking beef

**Pint Size Science (Pre-K) – Storage Room**

 Insect Investigator

 Science Sprouts

 Exploring Engineering

 Gizmos and Gadgets

 Strawbees

 Bits and Bots

 Mini Meteorologist

 Colorful Chemistry

 Sound All Around

 Push and Pull (Magnets)

 Classifying Creatures

**STEM Kits – Storage Room**

 Farmer Grady’s Challenge

 Squecky Clean Magnets

 Rainwater Run-off

 Helicopter Hang Time

 Pam and Ava’s Mapping

 Digital Relay

 Rolling Things

 Ag Innovators – Water

 Electronics Kits

 Bubble Bonanza

 Music to My Ears

 Rockets and Rovers

 Astro Camp

 Health Kit (blood pressure, oxygenators)

 Electricity and Magnetism

 Shake Things Up

 Solar Ovens

 Gravity Cruisers

 Rockets to the Rescue

**STEM Backpacks** – Third Office

 Curious Coding

 Bee and Me

 Human Eye

 Humpty Dumpty

 Fabulous 5 Senses

 Building Bridges

 Super Slinky

**Bee Bot Kits** – Third Office

 Giraffs Can’t Dance

 Earth Day Adventures 1

 Dragonland Adventures 1

 Dragonland Adventures 2

 The Secret Life of Squirrels

 Drum City

 Over and Under the Pond

**Equipment Available** – Storage Room

 Sewing Machines – Work Room

 Bee Bots (must have an extension person)

 Griddle

 Safety Glasses

 Tablesetting Examples

 Digital Projects Kit

 Cake Decorating -Third Office

 PVC Pipe Backdrop-first Office

 LEGO Mindstorms-Fourth Office

 CriCut-Workroom

 3-D Printer-Third Office

 Construction Kits – Third Office

**Summer Camp Kits** – First Office Closet

 Engineering Inspired by Nature

 Dinosaur Day Camp

 CSI Day Camp

 Creepy Crawly Day Camp

 Clover Kid Cookie Factory Day Camp

 Fibers Resources

**Ohio Livestock Kits- First Office**

 Beef

 Goat

 Swine

 Horse

 Rabbit

 Sheep

**Other Resources – Third Office Closet**

 Pond Water

 Chemical Look Alikes

 Yarn

 Fabric

 Sail Car Kit

 Solar Fountain Kit

 Wind Turbine Kits