

# Spellman Summer Academy Activities



## **CSI**

*In this fun-filled, educational workshop, campers are summoned to various staged crime scenes where they will participate in learning how to properly process the scene. Several activities and labs will assist the camper in their attempt to solve the crime. Along with fellow investigators, campers will use biology, chemistry, mathematics and deductive reasoning to weigh evidence and apply findings in the quest to find the culprit. Participants will learn how to collect and analyze prints (finger, lip and shoe) and to conduct blood and hair analyses. Campers will be challenged to identify mystery powders, solutions, and more to solve crimes!*

## **Engineering Challenge**

*In this inquiry-based course, campers will explore the fascinating yet practical world of mechanical, electrical and civil engineering. Working in a lab environment, campers will work individually, as well as collaborate with their peers creating and using circuits, programming apps, and so much more! Campers will create solutions to real world problems, build prototypes and working models, and then test them in engineering challenges.*

## **S.T.E.M. G.E.M.S.**

*In S.T.E.M.G.E.M.S.(Science, Technology, Engineering and Mathematics Generating Excitement through Mechanized Systems) campers will learn to be problem solvers and to use critical thinking skills. Your camper will construct robots using Lego Mindstorms kits and program their creations with the relevant Programming software as well as using a 3d printer & TinkerCAD to create fun designs!*

## **Physics is Fun!**

*Explore the fundamental forces of energy, motion, gravity, friction and force. Prepare a variety of interactive experiments to test the elements of physics.*

## **Escape the Room!**

*In this exciting program, campers will participate in live action, team based games where they discover clues, solve puzzles and accomplish tasks in one or more rooms to accomplish a specific goal. This program is guaranteed fun and will help foster your camper's creativity, problem-solving and communication skills. Campers will attempt to "escape" puzzles daily and will even create their own for their families to try to escape at the end of the week!*

## **Hogwarts at Spellman**

*Campers will be sorted into houses, participate in potions class, create new mythical creatures, write for the Daily Prophet, play quidditch, make Butterbeer and so much more! Harry fans will love exploring the magical world of Hogwarts right here at Spellman.*

**Amazing Race**

*Inspired by the popular television show, campers will work collaboratively to complete group challenges. As campers attempt to win the race by navigating a thrilling course through Spellman's 42 acre campus, they will learn problem solving techniques and build communication and leadership skills.*

**Baking: Breads, Scones, and Sweets**

*Does your child enjoy baking? Through this family favorite course, campers will make a variety of delicious baked goods including scones, cakes, breads, cupcakes, cookies and more. Campers will also get to practice a variety of techniques and different recipes. Your camper will come home daily with delicious treats along with an electronic copy of the recipes!*

**Cooking 101**

*In this cooking class, each lesson will introduce your chef to a variety of cuisines from around the world while building skills, self-confidence and creativity in the kitchen. Campers will be challenged to create variations of recipes, and they will bring home daily samples of their creations to share. At the end of this class, your chef will have an original cookbook complete with all the recipes from the week.*

**Spellman Olympics**

*Your camper won't want to miss out on this exciting course! This camp centers on a competition in a variety of games and challenges. Counselors will play along with the campers who will create a team name and tee shirt. Teams will compete throughout the week in different events. This camp is a guaranteed fun time for all those who love games!*

**Spellman Calisthenics**

*This camp will expose your camper with the knowledge and practice on how to become a better athlete through various athletic activities such as basketball, dodgeball, kickball and more! With this session, your athlete will have fun in a safe and supportive environment while being provided individualized instruction.*