**Financing Your Future**

Have you ever wondered about investments, money management, or personal finance? How do people save the money to buy houses, cars, or private jets? How could it be possible that people stop working and continue to live a normal life during retirement? In this course, we will simulate a financial life from your first job as a teenager to planning for your retirement. Along the way, you will learn about the effects, both intentional and unexpected, of major life decisions like choosing a career, purchasing insurance, or setting aside money for retirement. How are financial choices made? What factors should you consider? In this course, we will pack an incredible 50 years of life into nine days as we employ critical thinking skills to learn how the financial decisions we make early in life impact our important aspects of life down the road.

**Heredity and Hogwarts**

Have you ever wondered why Harry has his father's hair, but his mother's eyes? Or why all of the Weasleys have red hair? During this course you will study how physical traits are passed from parent to child to help you answer these questions and others. You will explore alleles, dominant and recessive traits, Mendelian inheritance, genotype, and phenotype. A variety of activities, such as completing genetic trait inventories, tracking and recording traits through generations, and predicting trait probabilities through Punnett squares will be included in this course. You will then use your knowledge of genetic inheritance to create a magical beast that could be added to Newt Scamander's *Fantastic Beasts and Where to Find Them* book.

**Imagination and Invention**

“To invent, you need a good imagination and a pile of junk.”—Thomas Edison.

How does a roller coaster work? How do planes fly? How are running shoes made? In this course, you will invent and innovate through activities like creating energy circuits, developing new games, and constructing items from recyclable materials. We will research the history and process of inventions and delve into the fascinating world of investigation and inquiry. Through explorations of scientific principles, such as force, movement, and heat, we will begin to understand how things work. We will select special topics, investigate our findings, create new ideas, and present our research at our own Invention Convention. Join us as we explore the exciting world of imagination and invention!

**Traveling Artists**

Many of us are familiar with great artists like Michelangelo, da Vinci, Picasso, and Van Gogh, but what about others like Arp, Nevelson, Hokusai, and Paik? This class will encourage students to learn by doing, to expand their creative knowledge and experience, and to become comfortable with new ideas. Students will create and learn about new techniques, such as the Muse of Chance Collage, Scrap Box Art, Surimono Greetings, and Robot People. We will travel together to Switzerland, Russia, Japan, and Korea to learn about the different cultures that inspired these great artists. Passports will be provided—no plane tickets required!