



# Reedy Creek Magnet Middle School

## Center for the Digital Sciences



### ELECTIVE COURSE OPTIONS FOR 6<sup>TH</sup> GRADE STUDENTS 2022-23

Elective courses are not required subject areas like reading and math but are optional courses that may be of interest to your child. Each middle school offers unique elective courses that your child can choose to take. The elective courses listed below are options for 6<sup>th</sup> grade students. Your child will select **6 (3 primary and 3 alternate)** electives from this list. Your elementary school will support your child in entering their selections in our system. You can find out more information on our school's website: (<https://www.wcpss.net/ReedyCreekMS>). It is important to note that the availability of elective courses is dependent upon each school's master schedule; choosing an elective does not guarantee its availability in your child's individual schedule. Choosing the same elective multiple times will not increase their chances of getting the class.

1. Decide between Year-Long or Semester-Long Health and PE.
2. Pick Three Primary and Three DIFFERENT alternate choices. (semester long unless indicated)
3. Enter in PowerSchool as your current counselor has suggested!

COURSE NAME	COURSE DESCRIPTION
<b>Animal Science</b> <a href="#">Link to Learn More</a>	This introduction to the animal kingdom emphasizes hands-on learning through a variety of classroom & outdoor experiences. After students learn how to care for captive animals in general, they pick a classroom animal to hold, study and complete a research project. Students then study vertebrate classes. Outdoor activities include: dip netting, wildlife observations, and a turtle mark-and-recapture study.
<b>Beginning Spanish-Less Than One Year</b>	This course begins the study of the Spanish language and culture. Major topics include greetings, conversation questions, telling time, classroom objects, asking for help, the parts of the body, infinitive verbs, expressing likes and dislikes, definite and indefinite articles, adjectives, subject pronouns, the present tense of -ar verbs, and the plurals of nouns and articles. Students who successfully complete this course should continue the middle school Spanish curriculum series.
<b>Digital Literacy &amp; Keyboarding and Basic Word Processing</b>	These combined 9-week CTE courses are designed to allow students to learn the touch method of keyboarding, digital literacy and computer knowledge, and basic word processing and document formatting skills. English language arts and mathematics are reinforced. Future Business Leaders of America (FBLA) competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences. <i>Prerequisite for Introduction to Office Productivity.</i>
<b>Exploring Engineering &amp; Design 1</b>	These combined 9-week CTE courses focus on applying the design process in the invention or innovation of a new product, process, or system. Through engaging activities and hands-on projects, students focus on understanding how criteria, constraints, and processes affect designs. Emphasis is placed on brainstorming, visualizing, modeling, testing, and refining designs. Students develop skills in researching information, communicating design



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<b>&amp; Invention and Innovation</b>	<p>information, and reporting results. Technology Student Association (TSA) competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences. This would include research on inventions and innovations.</p>
<b>Exploring Nutrition and Wellness &amp; Exploring Childcare</b>	<p>These two combined 9-week CTE courses explore basic Family and Consumer Sciences foundations and skill sets, including: interpersonal relationships, nutrition and wellness, child development and education. Students are eligible to receive the American Red Cross Babysitter certification. Students will also understand the factors that influence nutrition and wellness and the impact of choices on wellness and how to safely use kitchen tools and follow recipes to plan and prepare a meal.</p>
<b>Exploring Apparel and Interior Design &amp; Exploring Personal Finance and Hospitality</b>	<p>These two combined 9-week CTE courses explore factors that influence clothing choices and the basic elements of clothing design, construction techniques, interior design, sustainability, and how to design and manage a living space. Students will also explore personal financial literacy and resource management, foodservice, hospitality, and culinary arts, and food safety and sanitation.</p>
<b>Magnet Bits &amp; Bytes</b> <a href="#">Link to Learn More</a>	<p>Through hands-on activities and investigations, students will learn the foundations of computer science and computational thinking, including non-linear problem solving, algorithms, artificial intelligence, image types, how humans interface with computers, and more. This course will incorporate cooperative group work and project-based learning to enhance the learning experience.</p>
<b>Magnet Robotics &amp; Mechatronics I</b> <a href="#">Link to Learn More</a>	<p>Students will learn the fundamentals of robot operation and programming. This will include the study of basic electrical concepts and components, sensors that provide data to robots, and programming techniques to control robot behavior.</p>
<b>Minecraft Coding Introductory</b>	<p>Using the Minecraft platform, students will gain the skill of designing and developing algorithms. Students will also learn how to predict the outcome of running a series of statements; apply and understand the concept of iteration and selection. Finally, students will understand how to debug and resolve problems in algorithms</p>
<b>Olympics of Science and Math</b>	<p>This course enables students to apply science and mathematics concepts and principles in innovative situations that enhance problem-solving skills. Independent and group projects are completed under the guidelines of the National Science Olympiad. Students may have the opportunity to compete in local, regional, state, and national Science Olympiads.</p>
<b>Visual Arts Exploratory</b>	<p>This course introduces students to the elements of art through a variety of media that may include: drawing, painting, printmaking, mixed media, pottery, and weaving. Application of</p>



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	<p>these elements to the students' own original artwork is the major emphasis while being introduced to art history and critical analysis of master work as well as their own.</p>
<p><b>Year-long Beginning Band</b> <a href="#">Link to Learn More</a></p>	<p>This year-long course emphasis is on the acquisition of basic musical skills as students learn to play the flute, clarinet, trumpet, or trombone. Band classes prepare several concert compositions that are performed for an audience. Students should anticipate some after-school practices and evening performances (such as: Winter Concert, Feeder School Visits, Spring Concert, etc.). <b><i>Prerequisite to Intermediate Band and Advanced Band. This course is a year-long commitment. Students who request this class will be scheduled for a class with the instrument indicated.</i></b></p>