



2018-2019

ORANGE COUNTY PUBLIC SCHOOLS

# MAGNET

SCHOOLS & PROGRAMS

Leading Students to Success





Dear Parents:

At Orange County Public Schools, our vision is to be the top producer of successful students in the nation. It is our mission to accomplish this with the support and involvement of our families and the community.

Our emphasis on student success is why we've created the variety of magnet programs outlined in this brochure. The programs aim to increase student achievement, while allowing them to focus on their interests, talents, and career goals.

Because every student has unique interests and abilities, these magnet programs have been carefully developed to nurture their skills and passions. In addition, magnet students will study all required subjects, aligned with state standards.

Our magnet programs have focused themes and aligned curriculum in areas that range from science, technology, engineering and math (STEM), visual and performing arts, International Baccalaureate Programme, law, finance, medical and many others.

We are proud to offer our students and families these exciting educational options.

Sincerely,

A handwritten signature in black ink that reads "Barbara M. Jenkins". The signature is written in a cursive, flowing style.

Barbara M. Jenkins, Ed.D.  
Superintendent



emphasis on student success

## FREQUENTLY ASKED QUESTIONS

### *How do students apply?*

Submit an electronic application at [www.schoolchoice.ocps.net](http://www.schoolchoice.ocps.net) between November 1, 2017, and February 15, 2018.

### *How are students assigned to magnet programs?*

All eligible applicants who meet the application deadline of February 15, 2018, will be considered for available seats. If there are more eligible applicants requesting admission to a specific magnet program than the number of seats available, a computer-generated lottery will be utilized. For high school students, if there are more eligible applicants than there are seats available, sixty percent of the available seats will be computer-assigned using a grade-point-average (GPA) academic ranking system. This academic ranking system totals the previous two years' unweighted GPAs and ranks the students. Forty percent of the available seats will be assigned by a random lottery process.

### *How does my student qualify for sibling preference?*

Only elementary school students who apply for an elementary magnet program are eligible for sibling preference. The older sibling must be returning to the program in the coming

school year. Please see our website at [www.schoolchoice.ocps.net](http://www.schoolchoice.ocps.net) for more information.

### *How will I be notified if my student is selected?*

Parents and guardians will be notified of the student's status via email. Parents and guardians must provide an email address in the electronic application.

### *What if my student is not selected in the lottery?*

Eligible students not selected in the lottery will be randomly assigned a number on a waitlist for their first choice program. Using the parent email provided in the application and the program's waitlist, parents will be notified of any openings as they become available.

### *If the February 15, 2018, application deadline is missed, may the student still apply?*

In May, the Summer Waitlist application period will open at [www.schoolchoice.ocps.net](http://www.schoolchoice.ocps.net). Summer Waitlist applications will be placed at the bottom of any existing waitlist resulting from the lottery.

### *Additional questions or need assistance with the application?*

Email the School Choice Magnet Team at [magnetoffice@ocps.net](mailto:magnetoffice@ocps.net) or phone **407-317-3484**.

## ELEMENTARY SCHOOL MAGNET PROGRAMS

### | Grades K-5

Elementary tour dates are posted at [www.schoolchoice.ocps.net](http://www.schoolchoice.ocps.net).



### Aviation and Aerospace | Durrance/Cypress Park

Focused on science with connections to the worlds of aviation and aerospace, this enhanced curriculum creates a science-based, hands-on learning environment. A dedicated science learning lab along with classroom science labs provide opportunities for exploration into scientific concepts and processes as students explore their world and beyond.



## Foreign Language Academy

| Hillcrest

By coupling a rigorous academic program with a relevant foreign language curriculum, this program offers Spanish or French as a second language and provides students with unique, theme-based educational experiences in a challenging environment. Students engage in multicultural activities, gaining greater flexibility in language acquisition and sensitivity to world cultures.

## STEM Magnet

| Orange Center

Hands-on experiments and activities provide a strong foundation for students who are interested in enhancing their knowledge and skills in Science, Technology, Engineering, and Math. Focusing on real-world applications and creating a lab-based environment, critical thinking skills are cultivated, preparing students for higher education. This program prepares students to be competitive in a global society.



## Two-Way Dual Language

| Hunter's Creek, Tildenville, and Union Park

These programs are designed to develop oral fluency and literacy in both English and Spanish with the goal of achieving academic excellence and bilingual proficiency in both languages. English and Spanish are used to teach students not only a second language but how to be biliterate and bicultural citizens of the world.

## MIDDLE SCHOOL MAGNET PROGRAMS

| Grades 6-8 | Dates reflect Open House dates.

### Academy for the Visual and Performing Arts

| Howard

Jan. 23 6 pm

Grounded in a belief that the fine arts are a universal language, students develop a creative understanding of the visual and performing arts. A rigorous, arts-integrated curriculum with a range of fine and performing arts electives help students make authentic connections between the standards of both the arts and the core academic curriculum.

### Arbor Ridge 6-8 Option

| Arbor Ridge

Jan. 11 6 pm

Challenging students to reach their intellectual and behavioral potentials in a nurturing learning environment, this program allows students to gain academic success in a smaller learning environment. Emphasis is on self-organization, responsibility, leadership, and academic growth. The program focuses on preparing students to live as productive and successful citizens.

## Cambridge Middle School Academy

| Liberty

Jan. 25 6 pm

Developing an informed curiosity and a lasting passion for learning, the Cambridge curriculum prepares students for life. This program provides an opportunity for students to explore rigorous high school level coursework, requiring knowledge, understanding, application, and skills developed through research projects, investigation, and written response, as well as practical oral labs relying on student-supported perspectives. Cambridge middle school students are automatically admitted to the Cambridge Program at Colonial High School.

## Center for the Advancement of Science and Engineering

| Lockhart

Jan. 30 6 pm

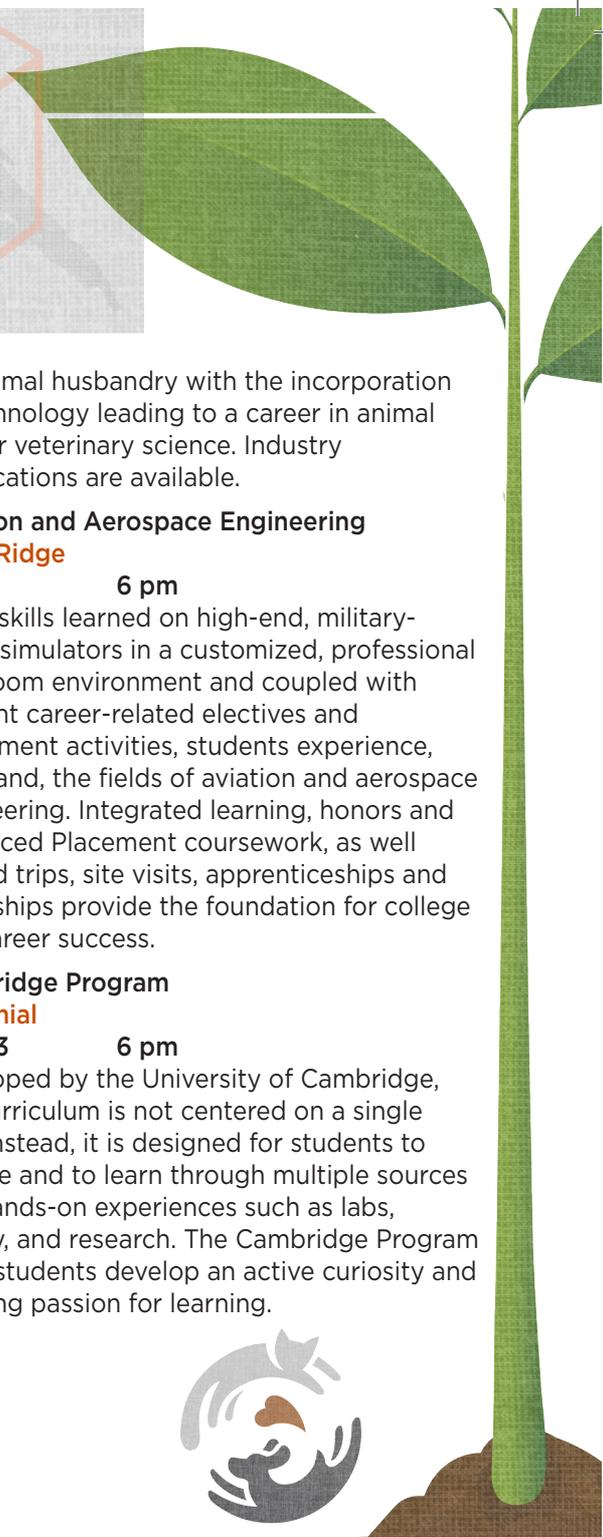
Delivering a rigorous, integrated curriculum that focuses on science, engineering, and math, students participate in inquiry-based thinking and project-based learning. Computer science, environmental solutions, aerospace, medical technologies, and architecture are among the many educational opportunities where students can earn high school course credit and industry certifications while learning career readiness skills in drafting, electronics, and project management.

## Middle Years International Baccalaureate

| Carver, College Park, Jackson, Memorial, Robinswood

Carver	Jan. 18	6 pm
College Park	Jan. 18	6 pm
Jackson	Jan. 30	6 pm
Memorial	Jan. 18	6 pm
Robinswood	Jan. 18	6 pm

the fine arts are a universal language



Empowering students to question ideas of global significance, this program is designed to help students develop the knowledge and understanding necessary to participate actively and responsibly in a changing world. The Middle Years Programme encourages students to embrace and understand the connections between traditional subjects and the real world while becoming critical and reflective thinkers.

**NEW PROGRAM**  
**Two-Way Dual Language**  
 | Hunter's Creek

Jan. 11 6 pm

This program is designed to develop oral fluency and literacy in both English and Spanish with the goal of achieving academic excellence and bilingual proficiency in both languages. English and Spanish are used to teach students not only a second language but how to be biliterate and bicultural citizens of the world. Spanish is integrated into a content area class in order to ensure students reach a high level of proficiency in the target language.

**World Language Academy**  
 | Lakeview

Jan. 16 6 pm

Providing an instructional model for English-speaking students to learn a second language and become biliterate, students are immersed into Spanish or French. Additionally, Spanish-speaking students can hone their language

skills. This program enables students to acquire another language and become proficient in reading and writing skills, while cultivating an understanding and appreciation of different cultures. Two-way dual language is also offered with a limited number of seats available.

**HIGH SCHOOL MAGNET PROGRAMS**

| Grades 9-12 | Dates reflect Open House dates.

**Advanced Engineering Applications**  
 | Apopka

Jan. 11 6 pm

This program is an introduction and thorough exploration of the broad spectrum of traditional engineering fields as well as the emerging disciplines in the physical, social, and biological sciences. Strongly grounded in mathematics and the physical sciences, leading students to earn industry certifications and college credit for AP studies, this program provides students an opportunity to explore the many aspects of engineering.

**Agriscience Academy**  
 | Wekiva

Jan. 18 6 pm

With an emphasis on aquaponics, biotechnology, animal science, agribusiness, and horticulture, the curriculum focuses on two pathways: (1) plant life and biotechnology with the opportunity for dual enrollment and

(2) animal husbandry with the incorporation of technology leading to a career in animal care or veterinary science. Industry certifications are available.

**Aviation and Aerospace Engineering**  
 | Oak Ridge

Jan. 11 6 pm

Using skills learned on high-end, military-grade simulators in a customized, professional classroom environment and coupled with relevant career-related electives and enrichment activities, students experience, first-hand, the fields of aviation and aerospace engineering. Integrated learning, honors and Advanced Placement coursework, as well as field trips, site visits, apprenticeships and internships provide the foundation for college and career success.

**Cambridge Program**  
 | Colonial

Jan. 23 6 pm

Developed by the University of Cambridge, this curriculum is not centered on a single text; instead, it is designed for students to explore and to learn through multiple sources and hands-on experiences such as labs, inquiry, and research. The Cambridge Program helps students develop an active curiosity and a lasting passion for learning.





## NEW PROGRAM

### Center for Future Educators

| Edgewater

Jan. 25 6 pm

Offering students an opportunity to explore career paths within the field of education, this program exposes students to a variety of teaching and learning experiences in different classroom environments. Students participate in real-world internships in OCPS schools. Partnering with Valencia College and UCF, students prepare for their post-secondary education and professions.

### Center for International Studies

| Dr. Phillips

Jan. 16 6 pm

With a strong Advanced Placement curriculum, this program utilizes a cross-cultural, international focus with an emphasis on major concepts and issues in international affairs, politics, history, world religions, and humanities. Students become proficient in a foreign language with the opportunity to develop skills in a second foreign language.

### Criminal Justice, Law and Finance

| Boone

Jan. 25 6 pm

Students select one of three distinct career paths and are given exposure to real-world applications in the fields of criminal justice, law, and finance with teachers who have career-related experiences. Hands-on opportunities to run a credit union branch, to conduct crime scene investigations, and to compete in mock trials create a rich learning environment.

### Digital Media and Gaming

| Oak Ridge

Jan. 11 6 pm

Offering a unique approach to programming and utilizing gaming, simulation, robotics,

and web design as a final product, students become well-versed in multimedia skills that translate into short films and digital presentations. This program is designed to develop advanced skills in the areas of gaming and simulation coding, website design, digital multimedia production, innovative technology solutions, and digital art.

### Engineering, Science and Technology

| Edgewater

Jan. 25 6 pm

Students work in teams on the EST STEAM project, which simulates the research, development, and marketing aspects of modern engineering and technology. Technology majors will delve into the world of 3D animation, graphic design, or gaming and simulation programming. Students participate in internships, workshops, and industry forums. College credit and industry certifications are available.

### Entertainment Production and Management Academy

| Evans

Jan. 30 6 pm

Developing proficiency in the back-of-house areas of theatre production, this program focuses on the technical, organizational, and managerial knowledge and skills necessary to bring arts, media, and entertainment to the public. Students will learn all facets of the entertainment industry, building skills in the preparation and performance of theatrical and entertainment events.

### Hospitality Management

| Oak Ridge

Jan. 11 6 pm

Career-focused curriculum and collaborated projects help students to gain critical career knowledge through a series of work-based learning experiences both inside and outside

the classroom. These activities include: job shadowing, interviews, resume writing workshops, and field trips, all culminating in an internship. Industry partners provide career-specific mentoring.

### International Baccalaureate Diploma Programme

| Cypress Creek, Evans, Jones, and University

Cypress Creek Jan. 23 6 pm

Evans Jan. 30 6 pm

Jones Jan. 23 6 pm

University Jan. 25 6 pm

An internationally recognized rigorous liberal-arts course of study where students can increase their understanding of language and culture and become more globally engaged. This magnet program offers an extensive study in English language arts, history, liberal arts, mathematics, science, and foreign language while stressing the development of communication and analytical skills.

### JA Academy of Leadership and Entrepreneurship

| Oak Ridge

Jan. 11 6 pm

JA empowers students to own their economic success, plan for their future, and make smart academic and economic choices. Grounded in free enterprise, leadership, and entrepreneurial principles, this program prepares students to be financially literate and ready for the workforce. The curriculum makes connections between lessons learned in the classroom and real-world applications through relevant, interactive experiences.

### Laser Photonics Academy

| Wekiva

Jan. 18 6 pm

Designed to develop practical knowledge and skills in laser optics, fiber optics, and

electro-optical devices, students prepare for successful careers in business and industry, construction, telecommunications, industrial manufacturing, medicine, entertainment, and the military. An in-depth sequence of laboratory experiences develops the hands-on skills needed for specifying, operating, and maintaining laser and photonics-based systems.

### Medical

| Jones

Jan. 23 6 pm

This program provides students with a college-prep curriculum, hands-on laboratory experiences, and participation in off-campus learning environments. The coursework provides students with the most up-to-date curriculum and strategic methods used in medical professions nationwide. After successful completion of the Medical Magnet curriculum, students will be eligible to sit for industry certification exams. A partnership with Valencia College provides the opportunity for students to take college credit courses and earn potential early admission.

### Medical Careers

| Apopka

Jan. 11 6 pm

Combining intensive study with real-world applications of medical procedures, this program prepares motivated students for a future in the dramatically expanding fields of medicine and healthcare. Students may spend an entire semester participating in career shadowing and clinical experiences in all healthcare fields, including dentistry, radiology, physical therapy, pharmacology, nursing, cardiology, and pediatrics. College credit is available.

### NAF Information Technology

| Colonial

Jan. 23 6 pm

Designed for the study, development, implementation, support, and management of computer-based information systems, students can select IT Support or IT Communications as specialty areas and may be eligible for internships after their junior year. Students will gain through industry certifications the personal, analytical, technical, and communication skills needed to compete in our technological multimedia society.

### Veterinary Animal Science and Services

| Colonial

Jan. 23 6 pm

With a focus on broad transferable skills and key elements of the animal-science industry, this program prepares students for employment or advanced training in veterinary, animal sciences, and services. Students work with large and small animals, including reptiles, canines, felines, horses, and cattle as well as marine animals. Industry certifications are available.

### Visual and Performing Arts

| Dr. Phillips

Jan. 16 7:15 pm

This program prepares students for a creative and academic future with a strong emphasis on college preparation. Monthly performance opportunities throughout the community are offered in dance, music, television, theatre, and visual arts. Artists-in-Residence, who are regionally and nationally known, often volunteer to mentor and perform directly with students. Auditions are required.



**MAGNET**  
SCHOOLS & PROGRAMS

I LOVE WHAT I AM LEARNING!

## Participant Survey 2018-2019

Please provide us with your feedback on the Magnet Fair and programs.  
Use the survey link below: <http://bit.ly/OCPSMagnetSurvey>

The survey will remain open until December 15, 2017.  
Thank you in advance for your feedback!

[www.schoolchoice.ocps.net](http://www.schoolchoice.ocps.net)  
[magnetoffice@ocps.net](mailto:magnetoffice@ocps.net)  
407.317.3484



# Orange County Public Schools

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