

Knightdale Career Academies



Knightdale High School Of Collaborative Design

Institute of Government and Global Inquiry

Knightdale Academy of Environmental Studies (KAES)



The Mission of the Academy of Environmental Studies is to prepare students to make knowledgeable career choices through work-based experiences and applications of current environmental issues.

Students benefit from:

1. Small learning community
 - Coursework focuses on environmental issues with other like-minded students
 - Preferred scheduling in recommended courses for academy students
2. Field trips (OLEs)
 - Seminars and off-site learning activities emphasize environmental issues
3. Community service
 - Work with Town of Knightdale / KHSCD
 - Community service projects
4. Internship
 - Experience working in an environmental interest area before leaving KHS

Students can choose from one of two concentration areas:

1. Environmental Engineering
 - Land Manager
 - Landscape Engineer
2. Animal Science
 - Veterinarian
 - Vet Tech Certification
3. Biotechnology
 - Biomanufacturing

Students choose concentration courses that focus their interests in each of these areas during their 10th and 11th grade years.

Grade 10

- All 10th grade Academy Students take Horticulture I and Horticulture II
- Horticulture is combined with Chemistry (H)
- All KAES students take a common English II (H) class

Grade 11

- All 11th grade Academy Students take Biotechnology I and Biotechnology II
- Biotechnology is combined with AP Environmental Science

Grade 12

- All 12th grade Academy Students complete a 135-hour internship by the end of
- All 12th grade KAES students have a choice of AP Course (Bio, Chem, Physics).
- All 12th grade KAES students take an Advanced Studies class in their “concentration” area

Apply by Apr 1



bit.ly/kaes-kaps

In compliance with federal law, Wake County Public School System administers all education programs, employment activities, and admissions without discrimination against any person on the basis of gender, race, color, religion, national origin, age or disability.

NOTES:

- Rising Sophomores (class of 2019) are welcome to apply - applications due by APR 1
 - Questions about KAES can be addressed to Mr. Duncan
 - gduncan@wcpss.net
 - 919-217-5350 x 25143