

### Program Format and Schedule:

Our programs are interdisciplinary and academically challenging. We make every attempt to integrate an outdoor component with all lessons. You may select one program for your field trip. We will do our best to complete all programs during the length of your visit.

9:15 am	Arrival time and check-in with receptionist for balance of payment due
9:30 am → 11:30 am	2 hours of program activities
11:30 am → 12:00 pm	Lunch break
12:00 pm → 1:30 pm	1.5 hours of program activities

\* Please note times may vary slightly depending on grade level

### Lunch Break:

All programs have a 30-minute lunch break built in at a specific time. This is so our staff can transition the classroom or outdoor stations for your afternoon learning experiences. Eliminating this break is not possible. Although we have an area to hold your lunches until the break, there is no refrigerator and no food to purchase. Please ensure your students bring a brown bag lunch.

### Dress Code:

Please encourage your students to “dress for mess” and for being outside during a portion of their trip.

### Twice Exceptional Students (2e):

All programs are available for students with special learning needs. The incorporation of specialized program adaptations and assistive technologies ensures that all learners can participate. Prior notification will help us meet our goal and will better ensure your students can fully participate in all program activities. To discuss your students’ needs and program activities, please contact Michele Daly, Director of Disability Education, at 201-460-4623 at least two weeks prior to your trip.

### Class Size and Number of Classes Per Day:

A minimum payment of \$250 (=10 students) is required if your group is less than 10 students. The maximum number of students per class is 27. We can accommodate up to 5 classes per day subject to availability.

### Registration:

All reservations for G&T programs are taken by phone or email. Please contact Michele Daly at 201-460-4623 or [mdaly@ramapo.edu](mailto:mdaly@ramapo.edu)

When registering, please be prepared to provide the following:

- Program choice
- Grade level
- Number of students
- Number of classes
- School name
- School address
- School phone
- Appropriate contact person/ teacher’s name
- Contact phone and fax numbers
- Contact E-mail

### Fee:

Program fee is \$25.00 per student.

### Chaperones:

There is no charge to teachers and chaperones. We ask that there be at least 1 adult for every 8 students.

### Payment Policy:

A 50% deposit must be received 3 weeks prior to your visit in the form of cash, money order, or a check payable to the **RAMAPO COLLEGE FOUNDATION**. Checks NOT made payable to the RAMAPO COLLEGE FOUNDATION will be returned for correction. If a purchase order is required to initiate payment, please forward a copy, with all relevant trip information, to our attention for signature. If your deposit is not received, we reserve the right to cancel your trip and offer the date to a school on our waiting list.

### Cancellation Policy:

Cancellations must be made in writing within 10 working days prior to your trip date. The letter can be faxed to 201-842-0630 or e-mailed to [school@ramapo.edu](mailto:school@ramapo.edu). NO CANCELLATIONS will be taken over the phone. If a cancellation is received after 10 working days, a refund will not be issued.

# ENRICHMENT PROGRAMS FOR THE GIFTED AND TALENTED 2023-2024



AN NJSEA FACILITY  
Operated by  
RAMAPO COLLEGE OF NJ

Three DeKorte Park Plaza  
Lyndhurst, NJ 07071

Phone: 201-460-8300 Fax: 201-842-0630

## **GRADES 2-3**



### **Wind and Water: Building for the Weather**

In this elementary STEM program, young engineers will be exposed to the forces of nature resulting from weather. Hands-on models will be used to demonstrate how wind and water can impact human structures and change the land. Teams will then investigate ways to resist weather effects. Using natural materials and testing criteria, can students build a wind-resistant tower AND float their boats? A fun, open-ended exploration!

NGSS & NJSLA-S: 2-ESS2-1; K-2-ETS1-1



### **See the Forest for the Trees**

An introduction to a key element of the Garden State's "dark side", this program enables students to investigate the towering giants that define New Jersey's forests, its trees. Teams will learn about the physical characteristics of these woody wonders, consider the many ecological benefits they provide, and apply this knowledge to investigate the local species growing in DeKorte Park.

NGSS & NJSLA-S: 2-LS4-1

## **GRADES 4-6**



### **CSI: The Case of the Missing Moustache**

Something's amiss in the Meadowlands...can you help solve the crime? Your students will be introduced to a "theft" from the MEC's science building and be challenged to act as Forensic Scientists. We'll first distinguish between observations and inferences, and then focus on the analysis of physical crime scene evidence with the help of chemistry, chromatography, and dactyloscopy (fingerprint) methods. Investigators must communicate results, synthesize the entire body of evidence, and deliberate over which suspect is the most likely culprit. Can they justify making a strong case against a person or persons for the crime?

NGSS & NJSLA-S: 5-PS-1-3

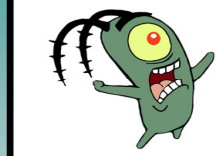


### **Raptorology**

Raptors or birds of prey have held a position of admiration in many societies both in ancient and modern times. This program continues this tradition, introducing students to the many adaptations these birds possess that make them such effective hunters. Going beyond simple fact finding, Raptorology culminates with an engineering challenge, tasking the learner to mimic the birds' physiological attributes in designing a device to solve a human problem.

NGSS & NJSLA-S: 4-LS-1-1; 4-LS-1-2; 3-5-ETS1-3

## **GRADES 7-8**



### **Go With the Flow: Plankton Adventures**

The concept of *density* will be made concrete for your students while investigating water, buoyancy, and some of the planet's most numerous organisms: PLANKTON! We'll introduce and microscopically observe plankton samples, and participate in activities about sinking, floating, and measuring density. Teams will then apply these principles in the Design-a-Drifter Challenge using common craft materials, office supplies, and stuff from the junk drawer.

NGSS & NJSLA-S: MS-LS1-1; MS-PS1-2



### **Environmental Planning**

The issues of flooding and poor water quality that many New Jersey citizens deal with demonstrate the familiar adage "Failing to plan is planning to fail." In this program students will investigate the benefits and pitfalls of various land uses and attempt to strike a balance between the wants and needs of a community and best practices for preserving the integrity of the watershed. Their investigation culminates in the building and presentation of a 3-D model of their environmentally friendly town.

NGSS & NJSLA-S: MS-ESS3-1; MS-ESS3-2; MS-ESS3-3