



Tenaflly Middle School
Discovery Program Application 2017-18
 Discovery Program Coordinator: Dr. Bianchi

Print student's name _____ Grade/Team _____ HR _____

Student's signature: _____ Date: _____

Parent/Guardian's Signature: I give my son or daughter permission to take the courses listed below. I know that workshops have been arranged to ensure a minimum of missed class time. I promise that my child will complete all missed classwork and homework and that his/her behavior will reflect in a positive manner on the TMS community.

Date: _____

Parent's email address AND cell phone # for program reminders and acceptance through Remind.com:
 (Please print neatly.)

Email _____ @ _____ **Cell phone:**(_____) _____

Discovery Programming is for exceptional students who are interested in pursuing and furthering their academic talents. Some courses require a letter of recommendation from two teachers. Students must meet an overall academic standard and have a proven history of responsible behavior which includes the ability to make up missed classwork and homework. The Discovery Program office and mailbox are in the Guidance Department. There are no fees for these courses. Class sizes are limited. Please remember to fill in this page completely and return form to the Guidance Office. A parent or guardian must sign this permission slip and provide full contact information.

Print neatly, please!
 Check off the courses in which you'd like to enroll.

_____ **Survivor!** 2-day workshop at Tenaflly Nature Center: May 3rd and May 4th: 9:30-2:15

_____ **Orienteering:** 1-day intensive workshop at Tenaflly Nature Center, October 19th. 9:30-2:15

_____ **C.S.I.: The Case of the Vengeful Vandal:** Meadowlands Environmental Center (MEC) 8:45-2:15
 Mock crime scene investigation with laboratory work, fingerprint and ink analysis, chromatography.
 Thursday, January 4th. 6th graders only.

_____ **You be the jury! Mock trial events at the NJ Law Center** in New Brunswick **(Circle grade level)**
 6th graders: Wednesday, May 23rd OR 7th and 8th graders: Thursday, May 17th

_____ **Eco-Cruise and Class** with Hugh Carola, the Hackensack Riverkeeper: **(Check one)**

_____ **Make-up date for those rained out on June 5th last year: October 3rd, 2017**
New applicant dates: March 22nd Class at TMS (period 6/7) and Wednesday, May 30th Cruise _____

_____ **Independent Studies** at TMS: alt week appointments with Dr. Bianchi: 4 weeks to 8 week projects

_____ **VHS: The Virtual High School Collaborative Courses:** January 25th – May 8th
 (Requires two letters of recommendation from teachers) Course Name: _____

_____ **Budding Biologists: Micro to Macro:** 5 classes at TMS, field trip on Monday, May 21st
 See list of class dates in course description.

Students and their families will be notified about any changes in the schedule through Remind.com. Parents, please remind your child about class on the scheduled day or days. Email address must be printed neatly on application to ensure successful delivery of messages on Remind.com.

Students: Please submit your applications to Dr. Bianchi in the Guidance Office as soon as possible.
 Don't delay. Once you have registered for a course, you will receive an email. Should you be wait-listed, you will still receive a notice. If you lose your application form, you will be able to find one on the TMS website.

TMS Fax #: 201-569-0327



Course descriptions are on the opposite side of this application.



TMS Discovery Course Descriptions

- 1. Survivor! 2-day intensive course at Tenafly Nature Center: Thursday, May 3rd and Friday, May 4th**
9:30-2:15 each day Learn to survive under extreme conditions: build a debris hut, cook out of doors, go orienteering, learn to do emergency first aid and more. Course roughly modeled on the popular YA Series, *The Hunger Games*. Bring lunch, beverage, and water. **Limit: 12-18 students**
- 2. Introduction to Orienteering: 1-day intensive workshop at Tenafly Nature Center: Thursday, October 19th**
9:30-2:15 Learn to use a compass and read a map showing local terrain. Then take off with your partners and follow the clues that lead to each checkpoint until you've completed the secret path. Bring lunch, beverage, and extra water. **Limit: 12-18 students**
- 3. CSI: The Case of the Vengeful Vandal: A Mock Crime Scene Investigation Thursday, January 4, 2018**
Jump into the fascinating world of a mock crime scene investigation at the Meadowlands Environmental Center. During this one-day intensive workshop, learn the science of fingerprint retrieval, chromatography, density studies, scientific measurement, and microscopy. Bring a brown bag lunch and beverage. **Limit: 22 students 6th graders only**
- 4. You Be the Jury: Mock Trial at the New Jersey Law Center Two dates/age groups this year! Limit: 18 – 20 per trip 6th graders: Wednesday, May 23rd OR 7th and 8th graders: Thursday, May 17th**
Students from TMS will be members of the jury at a mock trial to be held at the New Jersey Law Center in New Brunswick, New Jersey. Have fun while learning about the responsibilities of a juror and how a trial works.
- 5. Eco-Cruise and class with Hackensack Riverkeeper:** See dates for Spring 2018 on reverse side
It's not just a swamp! The Meadowlands has an interesting past, as well as a fascinating present and future. New applicants: Join us for class at TMS on March 22nd. Then come aboard for a nature cruise around the Meadowlands with Mr. Carola, the Hackensack Riverkeeper, on May 30th. Be part of the generation that continues to enjoy this resource while protecting a precious habitat. **12-15 students Please note: Make-up date!** The Riverkeeper has extended an invitation to those students whose cruise was rained out on June 5th to take their cruise this fall: **October 3rd, 2017**. You need to fill in a permission slip.
- 6. Budding Biologists: From micro to macro** Class period varies on Mondays: February 26th (Period 8/9 12:21-12:1:05), March 5 (Period 4/5 10:45-11:29), March 19 (Period 8/9), March 26 (Period 4/5) and April 9th (Period 8/9). Field trip on May 21st (9:30-2:15). Get ready to study the lifecycle of the plants and animals that live in a pond, from detailed examinations of the most minute microscopic plants and animals to larger plants, and learn to keep field notes. Bring your lunch to class when/if necessary. Field trip follows five class sessions.
- 7. Independent Studies: 6th-8th grades Individuals or partners, alt. weekly coaching with Dr. Bianchi**
Find a topic you'd love to research, either on your own or with a partner. Based on your research, complete a project. Design a time frame and focus that fits *your* year. Most projects are 4 to 10 weeks long.
- 8. Virtual High School Courses: On-line courses January 24, 2017 to May 2017: 3-5 placements available**
Students who wish to apply for one of these time-intensive, amazing courses will need the written approval of two teachers. Applicants must have a strong academic and behavioral record. Courses begin on January 24th and end in early April. A mandatory introductory course in how to navigate the student dashboard will be given on Dec 17th, Period 3, in the TMS Conference Room. Application does not guarantee acceptance in one of these courses. All involve daily homework assignments, but are very rewarding.
 - **Mathematics of Electricity: MA NCES Code: C02061** This course was designed to develop pre-algebra and higher level mathematics skills using real-world electrical power industry activities and problems.
 - **Mythology: MA NCES Code: 01061** This course is designed to enhance understanding of mythology and its continuing influence on our modern world. Students will study mythology from various cultures, including Greco-Roman, Norse, and American Indian.
 - **Video Game Design: MA NCES Code: 10199** Video Game Design provides an opportunity for students to immerse themselves in the world of video game design and development. Students explore conceptual and technical aspects of contemporary video game creation using Unity software, a robust and highly respected industry game development platform.
 - **Young Adult Literature: MA NCES Code: 01065** Students will read about and discuss the issues of intellectual, mental, emotional, and physical differences, poverty, prejudice, race, and ethnic pride, and tolerance in times of war. The course addresses four main sub-themes in this course about tolerance and diversity and utilizes multicultural literature.

Additional workshops may be announced during the school year. Reminder announcements about new workshops and those already on this schedule will be made in the TMS newsletter. If necessary, event specific permission slips will be distributed.

Please remember to print all information neatly when filling out the reverse side of this application.