

	Monday	Tuesday		Wednesday		Thursday	Friday
8:30-8:45	Announcements		8:30-9:30	Intensives	8:30-8:45	Announcements	
8:50-9:50	Math 2 Genetics Poetry		9:30-10:45	Advisory Senior Seminar	8:50-9:50	Math 2 Genetics Poetry	
9:55-10:55	Math 3 3-D Design and Engineering Creativity & Intelligence Short Stories		10:45 - 12:00	Greenhouse, Cooking Chemistry Model UN	9:55-10:55	Math 3 3-D Design and Engineering Creativity & Intelligence Short Stories	
11:00-12:00	Math 4 Memoir Origin of Genres American Government				11:00-12:00	Math 4 Memoir Origin of Genres American Government	
12:00-12:45	LUNCH						
12:45-1:30	Advisory	Meetings	12:45-2:00	Explorations Theater	12:45-1:30	Advisory	Intensives
1:30-3:15	Greenhouse Model UN Cooking Chem	Spanish Art Theater	2:00-2:15	Cleaning Theater	1:30-3:15	Spanish Art Theater	Greenhouse Model UN Cooking Chem
			2:00-4:00	Leadership Meetings Theater			
3:15-3:30	Cleaning				3:15-3:30	Cleaning	

Model United Nation, a course where students learn about the countries of the world, typically role play delegates to the United Nations and simulate UN committees, attendance at Maine Model UN Conference in Gorham, ME at USM in May. \$\$ Fundraising required for conference.

American Government, an introduction course to the development and functioning of the U.S. Government.

Creativity and Intelligence: Have you ever wondered about the nature of creativity? How might it relate to intelligence? Wait, what do we even mean by intelligence? We will answer these questions and more in this psychology course. Together we will examine the nature of creativity and intelligence, and how these human functions are understood across the fields of psychology. While at it, we will examine how these characteristics are measured and whether or not they are accurately understood and applied in beneficial ways.

Genetics: In this class we will investigate genetic variation, heredity, and biotechnology. We will start off with Mendelian genetics, learning about alleles, problem-solving with punnett squares and determining how genetic disorders are passed from generation to generation using pedigrees. European royal families wanted to keep the crown “pure,” but that contributed to some severe genetic ramifications... We’ll learn about selective breeding of dogs and partake in a DNA bootcamp. We will finish off the class with a large unit on biotechnology aka how we can use technology to alter genes. This will involve 2 challenging, hands on labs where we insert a jellyfish gene into a bacterial genomes and solve a forensics case using gel-electrophoresis to splice DNA. Expect to work hard and be challenged.

Engineering, Design and 3D Printing: In this class we will use various programs (Tinkercad, Onshape, Meshmixer, etc.) to create 3-dimensional products we can print on our snazzy new 3D printer. You will be presented with a problem, create a design to solve the problem, print, test, revise, repeat. This can culminate in a class-wide mega project to solve a greater issue (issue TBD).

Chemistry of Cooking: In this class we will analyze the chemical changes that occur in specific food molecules during fermentation, emulsification, baking, and the Maillard reaction. In order to do so, we will learn the building blocks of chemistry i.e. atomic structure, molecules, bonds. We will approach cooking through a scientific mindset. We will follow a recipe, observe the results, study the chemistry involved, manipulate and control certain variables in hopes of improving the desired outcome. PSA: we will not be cooking every single day. You will also need to commit to learning the chemistry involved.

Origins of Genres: genre fiction includes all the popular categories people love to read for fun: horror, mystery, science fiction, westerns, suspense, political thrillers, etc. This class will explore the roots and origins of contemporary genre fiction and identify the conventions that help us categorize stories. Research, reading, and writing will all be focused on during this course.

Poetry Experience: Read and write poetry. Potential for a unit of focus on Japanese poetry.

Reading and Writing Short Stories: Read and write short stories.

Greenhouse: Work in the warm inside of our greenhouse and finish the walls and ceilings and planting beds. At the end of February we will plant seeds for spring eating! This will be a combination of building and gardening.

Memoir Writing: People are walking stories. Life is a story so there is no shortage of topics. Not only will we learn to write about our lives, our experiences, our dreams and ideas, we will make a beautiful book for our stories.

Art: *TECHNIQUE & EXPERIMENTATION USING WATER BASED PAINT MATERIAL ie: Watercolor, Gouache, Egg Tempera, Tempera, Acrylic Paints

Theater: Join Payce's Senior Project in producing a full length play. Play TBA soon!

Art and Activism Intensive: [Pushed Learning](#): "We travel to schools and community centers across the country, giving interactive performances, lectures, and workshops on modern civil rights and social justice issues, grounded in the arts of Hip Hop music and dance."

January 16 through January 19 \$400

Classes are \$900 for the semester. Homeschoolers can take up to 2 classes per semester. Approved 8th graders pay ½ price when space is available.

Contact TheNewSchool@tnsk.org to sign up

