

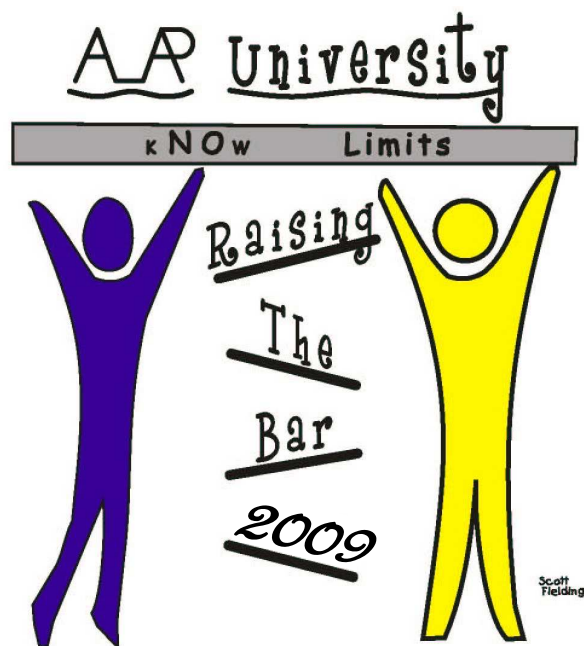
2009 ALAP University

A Program for All ALAP Students

Saturday, February 28, 2009
Pilgrim High School, 111 Pilgrim Parkway, Warwick, RI 02888

Official Information Package

Know No Limits!



Warwick ALAP Corporation

Patrick Maloney, President
James Riordan, Vice-President
Katherine Ferguson, Secretary
Michele Cahill, Treasurer
Board: Darlene Sabol, Ed Racca

Warwick School Department

Anne Siesel, Ph.D., ALAP Administrator
Lissa Scarpellino, ALAP Teacher
Tom Hornstein, ALAP Teacher
Donna Fennessy, ALAP Teacher

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dba Warwick ALAP Corporation**

Introduction

In order to reduce paper this document has been made available by download from the Warwick ALAP web site, www.warwickalap.org. What follows is a bulleted list of do's and don'ts for the parents:

- Students must pick their 10 favorite programs in order of priority. *If we cannot schedule students based on their picks then they will be placed into any available program. We cannot promise the students all of their favorites.*
- Students **MUST** turn in the completed selection form and the completed permission slip together with a donation. *Incomplete registration material will be returned.*
- Parents: **MUST** provide an emergency contact name and phone number on the permission slip even if they plan on staying with their child. *For liability reasons we cannot allow a student to participate unless we have an emergency contact and phone number.*
- We are requesting a minimum donation of \$20 per student (less than half the cost of the event). Please make your check or money order payable to: Warwick ALAP Corp. and turn it in with the rest of the registration material. No cash will be accepted. This donation is tax deductible.
- Please arrive by 8:30 AM. It takes 10 – 15 minutes to register, especially if there is a crowd. Please make sure to be present for the opening comments at 9:15 AM because any cancellations or scheduling changes will be announced at that time.
- The selection form, permission slip and donation must be returned no later than January 9, 2009. Initial schedules will be made at this time. If we do not have your child's completed registration package by this time they will miss out.
- **PLEASE MAKE SURE YOUR CHILD IS SUCCESSFULLY REGISTERED AT THE ALAP UNIVERSITY EVENT BEFORE YOU LEAVE – PLEASE DO NOT JUST THEM DROP OFF.**
- If you drop your child off **YOU MUST PICK THEM UP AND SIGN THEM OUT AT THE CAFETERIA.** *This is absolutely necessary for security reasons – we do this for your child's safety.*
- If we serve lunch (pizza and sandwiches) we cannot guaranty that the food served is peanut / tree nut free. If your child has any food allergies at all, or if your child is on any special diet, please provide them with a bagged lunch. There will be a designated peanut free table.
- Parents: this is a PTA sponsored event organized and supervised by parent volunteers. We **NEED** 50 volunteers on the day of ALAP University. Please consider helping out! We can't do this without you.

Web site: www.warwickalap.org

2009 ALAP University Program

Program 1: **Advanced Chess**

Presenter: Ken Fennessy
Session: **BLUE**
Lecture followed by interactive play
(Class size limit = 12)

This class is for students who already know how to play chess but who would like to learn more about some of the classical strategies for controlling the board, attacking, and defending. Ever wondered what a Sicilian Defense is? Exactly what is En passant? Why is it important for white not to lose the initiative? Ken Fennessy will give a lecture on some advanced topics related to chess and then you will get to play against other ALAP students and put some of the techniques that you learned into practice. Become the best chess player at your school! You must have a working knowledge of the game of chess to take this class. Please note that Ken is bringing his own, tournament quality, chess sets to this class so PLEASE treat them with respect and return them to Ken exactly as you get them.

Program 2: **Amateur Radio**

Presenter: Ken Franklin & Ken Carr; Kent County Amateur Radio Group, Inc.
(www.kcraces.net)
Sessions: **RED & GREEN**
Lecture with some participation at the end

Amateur radio isn't just for fun. When a natural disaster, like Hurricane Katrina, destroys the communications infrastructure of an entire region, hundreds of amateur radio volunteers are called in to help the Red Cross and other aid agencies set up a temporary communications system. Local ham radio operators also help out. Many amateur radio clubs are associated with emergency management agencies in the cities and towns where they operate. Amateur radio used to be just voice and Morse code, but now also includes packet radio, amateur television and connections to the internet. This is a hobby that is keeping pace with technology. Club members will present a Power Point presentation lasting about half of the session that explains what ham radio is and how you can become a licensed operator. This will be followed by a question and answer session and a session where the students will be allowed "on the air" to talk with ham radio operators in other states and maybe countries depending on what contacts can be made.

Program 3: **Beginner's Chess**

Presenter: Ken Fennessy
Session: **RED**

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Lecture followed by interactive play
(Class size limit = 12)

Do you know a little bit about chess and want to learn a lot more? In this class Ken Fennessy will give an introductory lecture on the movement of pieces and on the basic strategy of the game. After that you will play against your classmates and learn how to put some of what you have learned into practice. As you play, Ken will pass through observing and making suggestions on how to improve your game, as well as answering your questions. You do not need any prior knowledge of chess to take this class. Please note that Ken is bringing his own, tournament quality, chess sets to this class so PLEASE treat them with respect and return them to Ken exactly as you get them.

Program 4: Building a Computer Network

Presenter: Ed Racca

Session: **BLUE**

Lecture with some hands on activities

Computer networks are everywhere! From the Internet to a corporate network to the wireless network that many of us have in our homes, computer networks are just as important as the computers they connect. How do you connect computers (there are lots of ways)? Do they all speak the same language? What about security - how do you keep hackers from invading your network and stealing information from your computer?

Program 5: Crime Scene Investigation, Forensic Science Workshop

Presenter: Det. Barbara Frazier, Patrolman John Kelly (Warwick Police Dept.)

Sessions: **RED, GREEN & BLUE**

Lecture and demonstration with hands on activities

Join Detective Barbara Frazier and Patrolman John Kelly, for this hands-on class on crime scene investigation. Crime scene investigation covers many areas of science, including fingerprint and DNA analysis. This program is designed to be an interactive experience in how fingerprint evidence and DNA works. This will be a hands-on class for those who are interested in the field of forensic science. Participants will learn to process paper for fingerprints with ninhydrin and iodine, and to process plastic and glass for fingerprints using cyanoacrylate (Super glue fumes), and black powder. There will be a demonstration using alternate light sources. Participants will also take part in taking DNA swabs. Detective Barbara Frazier is a 12 year veteran of the Warwick Police Department and has been a forensic science investigator for the past 4 years. Assisting will be John Kelly a 7 year veteran of the Warwick Police Department who is currently assigned to the Traffic Division (accident investigation).

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Program 6: **Diversity of Life**
Presenter: Roger Williams Park Zoo
(www.rogerwilliamsparkzoo.org/education/programs.cfm)
Session: **GREEN**
Lecture and interactive activities

The Roger Williams Park “Zoomobile” will do a program on the interrelationship of different species. Scientists have already discovered over 1.5 million different species on our planet, and each of those species has its own very special role – or niche – to fill. Given examples of food webs, students will recognize the importance of diversity and predict how an ecosystem will be affected when it loses a species.

Program 7: **Endangered Species**
Presenter: Audubon Society of Rhode Island (www.asri.org)
Session: **RED**
Lecture with some hands on activities

Help students learn about the plight of endangered species around the world and in their own backyards with this prop-filled program.

Program 8: **Experience the Cultures of the World**
Presenter: Haffenreffer Museum - Brown University (www.haffenreffermuseum.org)
Sessions: **RED & GREEN**
Lecture with some interaction

In this interactive program you students will travel the world with amazing objects from our collection to explore cultures of today and yesterday through clothing, food, shelter, religion, music and art. Students will become citizens of the world as they learn how similar people are and how exciting their cultural differences can be. Objects from Africa, Asia, Europe and the Americas will be brought into the classroom, turning it into a kaleidoscope of diversity and a multicultural laboratory for teaching inquiry-based lessons about tolerance and respect.

Program 9: **Fundamental Forces**
Presenter: Mad Science of Southern MA & RI
(www.MadScience.org/SouthernMass)
Session: **RED**
Lecture with interaction

Learn about gravity and inertia! Experiment with home-made gyroscopes, centrifuges and more!

Program 10: **Going West**

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Presenter: Old Sturbridge Village (www.osv.org)
Session: **BLUE**
Lecture with participation

Meet a New Englander planning to emigrate, and explore what one would take along for the journey and to start a new life in the West.

Program 11: Introduction to Improvisational Theater

Presenter: Melanie Morrissey
Session: **GREEN**
Interactive games, skits

Students will be introduced to the medium of Theatre by playing improvisational games and performing improvisational "skits". The students will have to make up scenes on the spur of the moment, using objects, words, and body movements to create their stories. This is where the actor finds their creative self.

Program 12: Introduction to Lego Robotics (2 Hour Program)

Presenter: Mary Johnson
Sessions: **RED-GREEN & BLUE EXTENDED**
Lecture with interactive robot building in teams of 2
(Grades 4-6, Class size limit = 12)

Robots help people with chores or daily tasks; they mop and vacuum floors; they assemble parts in factories; and they detect bombs on the battlefield. In this 2-hour session students will learn more about robots by building and programming one to run through an obstacle course without the use of hands or a remote control. Working in pairs with a LEGO Mindstorms RCX kit and Robolab software, students explore fundamental engineering and programming challenges: How do you build a robot that doesn't fall apart when it moves? Why doesn't the robot do what I want it to do? When are treads a better choice than tires? With a mixture of hands-on building, programming and discussion, this class will give students an overview of LEGO robotics. (Note: All equipment and laptop computers are supplied for this class; however, students do not get to take their robots home.) The robotics courses are taught by Mary Johnson, coach of the award winning FIRST LEGO LEAGUE team, The Engineers of Tomorrow. Mary is a member of the Society of Manufacturing Engineers and of Rhode Island School of the Future. Members of the Engineers of Tomorrow will be on hand to help and to answer questions the ALAP students have about the FIRST LEGO League and Robotics Park, Rhode Island's two educational robotics events.

Program 13: Introduction To Web Design (2 Hour Program)

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Presenter: Matt Heon (LaSalle Academy / Pegasus Program)
Sessions: **RED-GREEN & BLUE EXTENDED**
Fully Interactive
(Class size limit = 12)

This presentation seeks to introduce students to web design. It will begin with a brief presentation and then move on to several activities where participants will be tasked with building their own websites. Students will learn basic coding and the use of several web design programs. Some experience in working with computers is required for this presentation. Learn to create backgrounds, text, links to other pages, and links to file downloads. Matthew is a former ALAP student who is now a 11th grader at LaSalle Academy. Matthew is doing this presentation as part of his Pegasus requirement. This class will be limited to 12 participants who will work in teams of two on 6 laptops that we will provide. If you want to customize your web page you can bring a USB flash drive with you containing photographs or other graphics. You can also use the flash drive to bring your web page home with you. Otherwise leave us your e-mail address and we can e-mail it to you. Parents: This is about web design. We will not be putting anything on the web, and what your child does with his/her design after this workshop is over is between you and them. If you have concerns you should speak with your child before they select this class.

Program 14: **Invention-ation**
Presenter: Mad Science of Southern MA & RI
(www.MadScience.org/SouthernMass)
Session: **BLUE**
Lecture with interaction

Through a hands-on approach students will learn that anyone, of any age, can be an inventor.

Program 15: **Mad Science Machines**
Presenter: Mad Science of Southern MA & RI
(www.MadScience.org/SouthernMass)
Session: **GREEN**
Lecture with interaction

Learn about levers, pulleys, wheels and more! Make your own complex machine to take home!

Program 16: **Meteorology**
Presenter: AGCS (AW/SW) Ernest Woodruff (Naval War College)
Sessions: **GREEN & BLUE**
Lecture and presentation

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Weather forecasting is very important for all branches of the military, especially the United States Navy. You can't allow an aircraft carrier to be caught in a hurricane! AGCS(AW/SW) Ernest Woodruff will explain the basics of meteorology and then talk about large storms. How do they form? How do they grow? What factors are important? AGCS(AW/SW) Woodruff gave this presentation at the ALAP Spring event last year and it was very popular!

**Program 17:
Presenter:**

Newspaper Reporting

Avis Gunther-Rosenberg

Sessions: RED & GREEN

Lecture with interaction and writing

Are you good at writing stories? In this presentation you will learn about creative writing and writing for a newspaper. You will learn basic interviewing skills and creative writing concepts. You will get a chance to practice interviewing each other and writing stories. She is a former features reporter for the PROJO, who has done restaurant reviews, shopping columns, written about children's leisure activities, and for quite a while was the author of the feature article in the Real Estate section of the Saturday paper.

**Program 18:
Presenter:**

Old Weights and Odd Measures

Adam Lowe; Historic New England (www.historicnewengland.org)

Sessions: GREEN & BLUE

Lecture with some interaction

This history-rich math program is a great way to combine subjects in a hands-on lesson in weights and measures. Students learn about such units of measure as the rod, gill, and peck, as they are introduced to the apprenticeship model of learning as practiced in Colonial America.

**Program 19:
Presenter:**

Painting with Watercolors (2 Hour Program)

Kurt Van Dexter

Sessions: RED- GREEN & BLUE EXTENDED

Painting demonstration and lots of individual painting

Students will experience the fundamentals of painting in watercolor. The class will begin with a series of exercises designed to allow students to become comfortable and confident with the medium of watercolor. Students will learn that watercolor is a very giving medium, easily altered, and that mishaps can be corrected with minimal stress and effort. The work of various studio artists will be presented to the students. Students will be encouraged and individually guided to work from their own inner inclinations as opposed to copying the styles of others. As the two hour

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session progresses, students will have the opportunity to work from a still-life subject. We will have a group discussion of the work at the end of the session, and students will go home with a work of art. Bring an old shirt or something to wear over your clothes! Kurt Van Dexter is a studio artist, registered landscape architect, designer, and certified K-12 visual arts educator. He has been professionally painting and exhibiting his work for years. His primary medium is watercolor; however, he also works in gouache, various dry media, assemblage and sculpture. His work has been on exhibit in many areas of the United States, as well as in Australia and Japan. He works from the studios in his barns on the Exeter-North Kingstown line.

Program 20: Parts of a Computer

Presenter: Ed Racca

Session: **BLUE**

Lecture with some hands on activities

What are the parts of a computer? How does a disk drive work? What about a motherboard or video card? How do they all work together to make your computer such an amazingly useful tool? In this presentation, key parts of a computer will be explained how they function. You will observe a motherboard, a daughterboard, maybe even a disassembled disk drive so that you can see how it all works. This is an introductory presentation on computers for the younger students.

Program 21: Remarkable Rocks and Marvelous Minerals

Presenter: Audubon Society of Rhode Island (www.asri.org)

Session: **BLUE**

Lecture with some hands on activities

Students delve into geology as they investigate how rocks are formed, how rocks are made of different minerals, and how these minerals are used by plants and animals in nature, and by people in everyday life! We will examine a variety of rock and mineral specimens and will learn and practice some of the tricks geologists use to sort and identify different types.

Program 22: Reptiles and Amphibians

Presenter: Regal Reptile (www.regalreptile.com)

Sessions: **GREEN & BLUE**

Lecture using live reptiles and amphibians.

Regal Reptiles is Rhode Island's only Reptile Zoo, displaying over 400 Species of Snakes, Lizards, Turtles, Amphibians, and Invertebrates from around the globe. For this presentation they will bring 10 – 15 different reptiles and explain how and where they live and how they fit into their

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environment. You will be able to touch most of the reptiles, but the reptiles are scared by loud noise so you will be asked to keep things quiet for the duration of the class.

Program 23: Rhythms From Around Our World

Presenter: George Terzis Jr.
Sessions: **GREEN** & **BLUE**
Fully interactive musical session

Do you like making music? Music is an intricate part of village life in many different cultures. Drums and percussion instruments are widely used to create rhythms that identify villages, tribes, and cultures. In this class you will learn to play a percussion instrument, first individually, and then as a group. Before you are done the entire class will become a percussion orchestra playing complex rhythms from Africa, Brazil, and the Caribbean. George Terzis brings Rhythms from Around the World to schools all over New England and to children of all ages.

Program 24: Theater Workshop

Presenter: Jodi Riordan
Session: **RED**
Fully interactive session

Jodi Riordan, will return again to put on another theater workshop emphasizing some of the skills required to act in and put on a play. The students will take turns playing games and doing improvisational acting.

Program 25: Theatrical Make-up

Presenter: Melanie Morrissey
Session: **BLUE**
Interactive

Learn all about make up techniques used in the theater. Students will learn how to apply make-up on themselves and others. They'll also study techniques such as blending, shading, highlighting and prosthetics. This will help strengthen their creativity as they help characters come to life, making sure a sense of reality is portrayed.

Program 26: This is not Magic, It's Chemistry

Presenter: Steve Laprocina
Session: **RED** & **BLUE**
Lecture with some cool experiments, but no interaction

Steve Laprocina has a BS in Chemistry from URI and is an industrial chemist for Intel (the company that makes Pentium processors). Steve will show the class a series of chemistry demonstrations that look more

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like magic tricks than science. One example is a chemical solution that changes color – that actually oscillates back and forth between two colors. After each experiment there will be a discussion of exactly what happened and why it worked. The students will not be mixing any chemicals themselves, only watching Steve as he performs the demonstrations.

Program 27: Who's Living in Your Backyard?

Presenter:

Roger Williams Park Zoo

(www.rogerwilliamsparkzoo.org/education/programs.cfm)

Session: **RED**

Lecture and interactive activities

The Roger Williams Park “Zoomobile” will do a program on the animals that live in our neighborhoods, near our houses, in our back yards. Animals are a very important part of a habitat...even our own habitat. What kinds of animals live in your habitat? Students will interpret different clues from local wildlife and learn how to observe the animals around them.

Program 28: Your Day in Court

Presenter:

Old Sturbridge Village (www.osv.org)

Session: **GREEN**

Lecture with participation

Students in this presentation will get to act out actual court cases from the 19th century. The presenter will tell the facts of the case and will then assign roles to the students (prosecutor, judge, defendant, defense lawyer, witness, juror). The students will then act out the trial. There is no script here: The prosecutor must argue for a conviction, the defense lawyer for an acquittal and the jurors must decide. This is a series of period mock trials.

**WARWICK PUBLIC SCHOOLS
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2009 ALAP University Selection Form**

Saturday, February 28, 2009, 8:30 AM
Pilgrim High School, 111 Pilgrim Parkway, Warwick, RI 02888

This form MUST be completed and returned, to attend ALAP University!
Information Packet available for download from web site: www.warwickalap.org.

Student Name: _____

Grade: _____

School: _____

The following contact information will only be used if we cannot schedule you based on your choices or if a cancellation has affected your schedule.

Phone Number: _____

e-mail address: _____

Note that program entries are color coded by timeslot. Students must make 10 selections in order of priority. *Please make sure that you include selections for each time slot!* Enter both program number and title to minimize mistakes. Please read the program carefully and **note that some presentations size restrictions**. We will try our best to schedule students in their first choices. If demand for a presentation exceeds available space then the older students will be given priority (6th graders are first priority, 5th graders are next, etc.).

Priority:	Program number:	Title:
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

For lunch I would prefer: Pizza ___ Ham Sandwich ___ Turkey Sandwich ___

Parent signature: _____

**WARWICK PUBLIC SCHOOLS
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2009 ALAP University Permission Slip**

This form must be returned with the Selection Form. Mandatory for attendance!

I give permission for my child _____ to attend ALAP University at Pilgrim High School on Saturday, February 28, 2009. I understand that my child will not be allowed to attend ALAP University unless this form is filled out, signed, and returned with the ALAP University selection form. I understand that my child will be provided with lunch consisting of; pizza or a sandwich, potato chips or potato salad, garden salad, and a drink. There will also be water and cookies available. If my child has a food allergy, or if for any reason this food is not appropriate for my child, I will make alternate arrangements for their lunch. In the case of food allergies I understand that it is my responsibility to contact the Warwick Public Schools Gifted and Talented Education PTA (GATE PTA) via e-mail to notify them about the allergy and also supply proper notification at the registration desk during registration. I also understand that, in the case of a serious food allergy, I must remain with my child at ALAP University. If I am leaving my child at ALAP University, pickup and drop-off will take place at the cafeteria and nowhere else. I understand that the drop-off time is between 8:30 and 9:00 AM and that the pickup time is starting at 1:45 pm (2:45 for double session students). I understand that I may stay with my child at ALAP University. I have expressed my preference by checking one of the selections below. I understand that these arrangements may be modified at ALAP University registration if and only if I am there to fill out another permission slip.

___ I have enclosed a minimum \$20.00 donation for my child to attend ALAP University; check or money order made out to: Warwick ALAP Corp. (Note: no cash will be accepted).

___ I am staying with my child at ALAP University; there is no need to log my child in and check on his/her departure.

___ I am dropping off / picking up my child at ALAP University myself. I understand that I must show a photo ID to pick up.

___ I authorize the person listed below to drop off / pick up my child at ALAP University. I understand that this person will be required to show a photo ID.

Parent signature: _____

Parent name (print): _____

Authorized pick-up person (print): _____

Emergency phone number (necessary & only one): _____

Please indicate below if you are willing to volunteer the day of ALAP University. We need volunteers to stage this event. If you volunteer to help you must provide contact information and an e-mail address. If you are selected to help you will be contacted during January and added to the e-mail list.

Name of ALAP University volunteer: _____

Volunteer's e-mail & phone number: _____

I can't volunteer, but please add my e-mail address to your list: _____