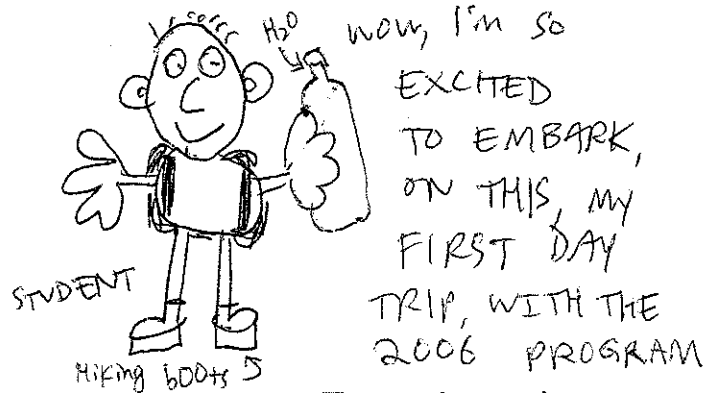


Nate Kaufman
Lyuda Kovalchuke
July 6, 2006, 9AM-4PM
Brown Middle School

Tripslip #2 – Nahanton Woods

To be brought:

- Hiking boots
- Daypack (notebook & pencil)
- First aid kit
- WATER (lots)
- Lunch
- Raingear (always, just in case!)
- Sunblock & bugspray
- Extra boot laces



You are very lucky that my first two tripslips have been typed. That is a luxury that you will probably not be graced by many more times. That being said, my handwriting really isn't bad at all, which I guess is also a luxury. So with me, you win either way. Congratulations.

But I digress. Tomorrow, Thursday, the 6th day of the 7th month of 2006th year since Jesus of Nazareth died, we will be going to Nahanton Woods. You may know the area better as "Novitiate Park," but I'm willing to bet that that's not true, and that you either know it as Nahanton Woods, "that place near the JCC where I played soccer that time," or don't know it at all. Of course, we'll be walking there from Brown Middle School (the location whence most of our trips embark), so come prepared with your hiking boots, along with all the other necessary paraphernalia for the arduous trek.



You know, some years ago, Envi Sci actually did a "clean-up" of Nahanton Woods on "Clean-Up Day," in which we essentially helped to "clean-up" the "area." With any luck, the park is still "clean" to this day. If not, former Envi-Sci students are gonna git it (you know who you are).

Here's a little question for all your hungry, erudite minds: Why does the Charles River look brown? More importantly, why does Brown Middle School look Charles? We'll learn about this and more tomorrow.

In case of an emergency, your child will be brought to Newton Wellesley Hospital (617-243-6000). This program must comply with the regulations of the Massachusetts Department of Public Health and must be licensed by the City of Newton Health Department.

Trip slip #2

It's..... It's.....

When: Thursday, July 6, 9am-4pm

Where: Brown Middle School

Your mighty leaders:

Lynda Kovalchuk
617-558-5567

AND
Nate Kaufman
617-969-4144

Equipment: hiking boots,
2 Liters of water, bug
spray if you have it,
sunblock, rain gear, 1st aid
supplies, a nice tasty lunch,
? a frisbee?

NAHANTON WOODS



So, you've made it through the first day of the program, and tomorrow it's on to a land of peace and serenity, better known as Nahanton Woods. ^{woo!} Why Nahanton? Well, it's pretty close to the school, giving us ample time to investigate its various features, and there are lots of cool things there to see and talk about.

Nahanton even has an esker, a geological feature that formed when glaciers roamed over North America! You'll learn how exactly it was formed tomorrow, and it will be your mission, should you choose to accept it, to find this elusive esker. On the way, we'll explore some pond succession and hopefully play some frisbee! Get ready for an awesome day!

Question of the day:

Who do YOU think will win the World Cup? We will discuss...



In case of emergency, your child will be brought to Newton-Wellesley Hospital
This program must comply with the regulations of the Mass. Dept. of Public Health (617-243-2000) and must be licensed by the City of Newton Health Department

NAHANTON WOODS

July 5, 2005 9 AM - 4 PM BROWN MIDDLE SCHOOL

EQUIPMENT:
 Water,
 lunch, hiking boots,
 raingear, field kit,
 sun block, bug spray,
 two working TVs
 from peoples' trash.

If there were an award for Special Place in My Heart, Nahanton Woods would win it! Hands down! There's no such award, though. But still, there are a whole lot of crazy cool things going on that you'll see when we get there. You're going to learn all about pretty much everything when we're there. Like evolution. Evolution, as you probably know, is the process by which all living organisms on Earth have developed to have the characteristics we recognize today. We'll talk all about it and play games and, hopefully, evolve some new traits of our very own. Like tails. So get here early and bring your thinking capes. Woot!

THE LEADERS:
 JOEY DAN
 BACKER SWARTZ
 617-969-0288 617-244-2339

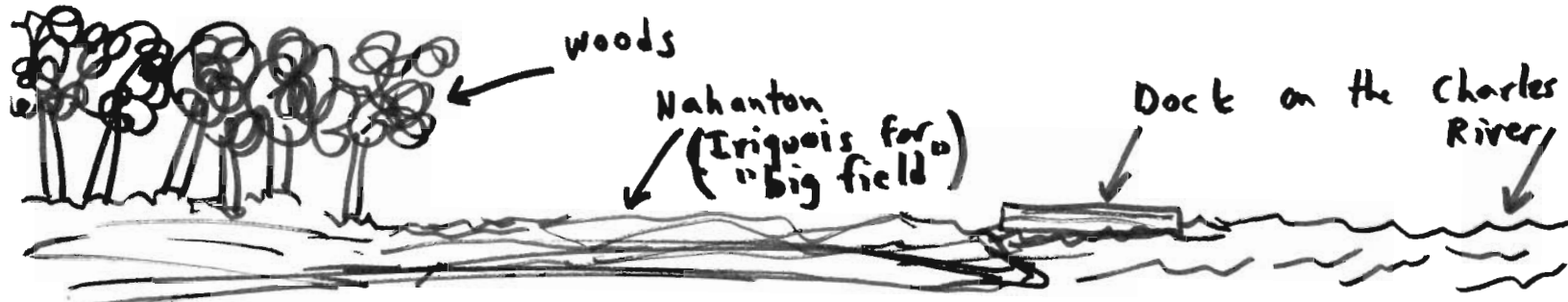
~ FIN ~

In case of Emergency, your child will be brought to:
 Newton Wellesley Hospital: 617-243-6000.
 This program must comply with the regulations of the Massachusetts Dept. of Public Health and must be licensed by the city of Newton Health Department.

NAHANTON WOODS

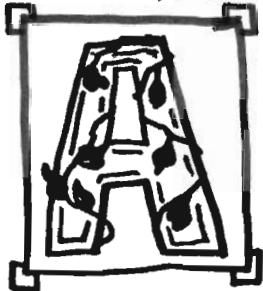
Tripslip #2

7/02/04



BROWN MIDDLE SCHOOL * 09:00 AM - 16:00 PM (4 PM)

Joey "Port-av-Prince" Backer (617-969-0288) | Lydia "Rivada" Kovalchuk (617-588-5567) | R | S | E | D | A | E | L



mazing! Fantastic! Bo Diddley! If you are reading this tripslip right now, count yourself among the Lucky Ones. Nahanton Woods, the site of our Clean Up last year, is an ecological wonderworld.

- EQUIPAGE**

 - Field Kit
 - First Aid
 - Boots
 - 2L Water
 - Lunch
 - Bugspray/sunblock
 - As many coconut Jelly-Bellies as possible

When we get to the Ol' Campground (as all of us in the Biz call it), we'll talk a lot about glaciers and how they have affected the local terrain and ecology. So tie your bootlaces extra tight! This is a-gonna be a doozy!

In case of Emergency, Your child will be brought to Newton Wellesley Hospital. 0617-243-6000






Trip slip #2
7/5/05

Dan Swartz: (617) 242-2339
L: ey Backer: (617) 969-0288
9:00AM - 4:00 PM

AKA: NOVITIATE PARK AKA THE "N" ZONE

Welly, Well, WELL; looks like you've made it past the first day and now to the second. To celebrate this meaningful transition in your and my and Lioey's lives we'll be heading down to NAHANTON WOODS to learn about forest succession, pond succession, glacial melting, and the mother of all issues and theories: EVOLUTION! We'll try to have some fun too, hopefully it'll be cleverly mixed into the learning. Since this is the famous ENVI:Sci, and we have appearances to keep up, make sure you bring:

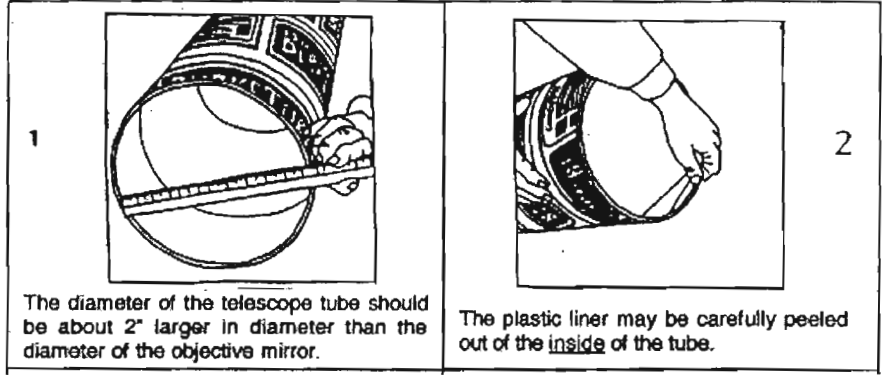
- BOOTS 
- water (2 liters)
- food (lunch-like)
- DAYPACK
- RAINGEAR (Justin Case)
- notebook (now for limited time - pen/pencil)
- notebook
- scalpal ^{Pen + pencil}
- baseball bat
- baseball
- learning cap

bring me



THE ENVIRONMENTAL SCIENCE PROGRAM 2002 | ts#2.

Re inventing reinvention four or five trips at a time.



What is being built here?

These trip slips are truly deep, however, I leave it to you, the tripslip-ee to stay alert and sift through the non-sense (of which I admit there will be plenty) and blatant disregard for line-breaks and somehow find the quality information that will prove to be immeasurable in the days to come.

This trip slip conveniently printed on plain white paper.
{look for other colors to appear on future trip slips, courtesy of Kinko's}

Today and/or tomorrows trip (depending on when you read this):

NAHANTON WOODS.

JUST CLEAN FUN AND RIVER DANCIN'

Pertinent Information:

Ts# (trip slip number): 2

D|t (date and times): July 2, 2002 | 9am-4pm

Ml (meeting location): Brown middle school

L's (leaders): Jonathan Rivnay {617.527.1849} y Nate Kaufman {617.796.7762}

vEq (various equipment): Hiking Boots, Water, Lunch, Field Kit (Raingear, First Aid, etc.), Bug Spray, Compass & Map, if you have them

Informational Haikus {i5|7|5}:

Oh boy! First real trip.
Practice map and compass skills
How will we get there!?

Novitiate park
Nahanton woods has two names?
Yes. This is the case

Glacial formations,
So much succession in swing
What about the trees!

A Question for you:
The Charles river seems brown
What's the real reason?

Boston.com predicts:

Tuesday,
July 2, 2002



p. cloudy
H95 / L77

A mix of sunshine and clouds can be expected. There is a chance of scattered afternoon showers and thunderstorms. Continued humid, highs will be in the low to mid-90s.

My conclusion: bring your raingear and lots of water (as you are to do anyway).

Novitiate

Tripslip #2

Your ever so happy leader for the day will be:

Time 9:00 - 2:00

The man with the big fat smile Allan Telio (969-4057)

Starting Location: Newton South

Equipment: Your field Kit, Hiking boots, lunch, a quart or more of water, and a frisbee (optional)

Hi there students. So you have survived the first day of the program and will now be joining me on a trip to lovely Novitiate Park. This little park is located next to the lovely Charles River. "Lovely?" you might be saying to yourself. "There is nothing lovely about the Charles. It's all brown and yucky" This is half true. It is brown but it's not yucky. Does anyone know how it gets its brown color? No? O.K. I'll tell you. The water gets its color from leaves that fall into the river. Every fall leaves fall into the river. As these leaves begin to decompose, they release something called Tannic acid. This acid turns the river a brownish color. In a way it is tanning the river.

This area is also a great place to learn about forest Succession. Forest Succession is the stages of a forest's life. There are four stages on a forest's life.

1. Pioneer During this stage small water-loving trees will dominate the area. Examples of these trees are Birches, sumacs, aspens, and poplars. During this stage there are also many low lying plants such as shrubs and grasses.

2. Mid stage- During this stage larger trees will begin to take root. Types of these trees are Maple, Hickories, Firs, and Sycamores. During this stage the amount of under growth will decrease. Can anyone tell me why?

3. Climax- This is when the forest has grown to its largest height. There will be no ground vegetation. Oaks and Spruces are most common during this stage.

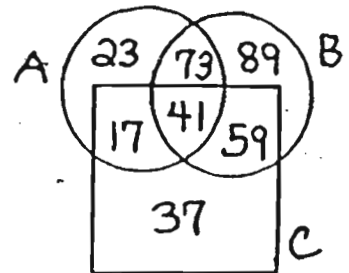
4. Death stage- Sounds kind of scary. I am sure that you guys can figure out what happens in this stage. But, can you tell me why It happens? Is it good that this stage takes place? For the answer to these exciting questions just tune in tomorrow!

CATEGORY 1 - NUMBER THEORY
 APRIL, 1997 - MEET #5

YOU MAY USE A
 CALCULATOR
 for all categories today!

① Circles A and B, and Square C intersect to form seven numbered regions. Find the sum of the numbers in the regions formed by the following:

$$(A \cap B) \cup [C \cap (A \cup B)]$$



② Find the mean, or average, of all numbers in $X \cap (Y \cap Z)$
 if $X = \{ \text{all integers greater than } 724 \}$
 $Y = \{ \text{all integers which are divisible by } 3 \}$
 $Z = \{ \text{all integers less than } 745 \}$

③ Of the 2336 students who attend CARBON-8 Middle School,

- 1431 like Pepsi,
- 1284 like Coke,
- 763 like Dr. Pepper,
- 504 like Coke and Pepsi,
- 452 like Pepsi and Dr. Pepper,
- 503 like Dr. Pepper and Coke,
- 317 like all three drinks

and all of the students like at least one of the drinks.
 How many students like only Dr. Pepper?

ANSWERS

① _____

② _____

③ _____

Nahanton Woods



(TREE, NOT CAULIFLOWER)

Trip slip #2

7/2/02

Leaders: Nate Kayfman (617-969-4144)
Jon Rivnay (617-527-1849)

Time: 9-4

Place: Brown Middle School

What you need: field kit, waterproof boots,
lunch, bug spray, 2 liters of water

If you're reading this, you have probably survived the first day. If you survived the first day and are not reading this, you're just plain irresponsible. That said, your next stop is... Nahanton Woods!



Nahanton Woods is a great place to take a dip in the Charles River... but I don't think we'll be doing that. After all, the river's pretty brown. That must be from all the pollution, right? Actually, no. Wrong. Can you tell me why it's really brown? If not, I'll just have to teach you when we're there.

see y'all tomorrow.

VR00M!

(the one w/ red hair)

JEFF DO's

leaders: Trip slip #2

Maddie: 617-964-7689

Jeff: 617-964-7845

Brown - July 2nd - 9:00am

Birthday + Nahanton

Woods

squirrel!
because there are squirrels in the woods, dh.

It being the revered DO's birthday, we command you to present us with gifts of food/offerings. In exchange, we will lead you deep into the forest and educate you on the mysterious ways of ecosystems. We will make food webs and then destroy them, which is fun because destruction and chaos of natural order is cool! or is it? All this will be explored and we even get to shun the obnoxious invasive species!



puddle of sadness

What to bring: boots, water, food, field kit, rain gear, baseball bat to fend off invasive species, and notebook/pen/pencil

hahaha stupid invasive species!



Nahant Woods

AKA: Novitiate Park

This is the first real trip of the summer, so we are finally going to understand how things work here at Envi-Sci. It just so happens that today's wonderful topics will be a brief look at Pond succession, forest succession, and a close up examination of invasive species. That's right, invasive species like we just learned about.

trip slip #2

July 2, 2003

Leaders:

Jeff DeCew

617-964-7845

Maddie Logowitz

617-

Meeting info:

9:00 AM - 4:00 PM

@ Brown middle school

What you need:
Field kit, waterproof boots, 2 liters of water, bug spray, and extra food for me because it's my birthday. Weee!!

What is a field kit?
Rain gear, 1st aid kit, Pocket knife, pencils/pens, Notebook, extra laces



me eating the
wonderful goldfish
you brought me for
my bday



↑
invasive
species

aka: predator



a tree



Trip slip # 3

NOVITATE PARK



Date: 7/3/92

Time - 9am - 2pm

Leaders: Delio Tramontozzi & Stacy Sanchez

Phone # 244-3377

965-4988

My group equipment list - Hiking boots ★ Day pack, Insect Repellent, Lunch, rain gear, First aid kit, Canteen.

O.K. - It's time to use your new map and Compass skills. It's a long way and it will be a hot day, so remember to take enough water if not two canteens, one with something sweet and the other with water. We will be learning some important concepts like **FOREST SUCCESSION**

1st stage -

Meadow Stage

tall grasses
shrubs

2nd

Pioneering Stage

Small Poplars
birches
Sumacs

3rd

Mid-Stage

Birches
Pines
Sycamore

4th

Climax

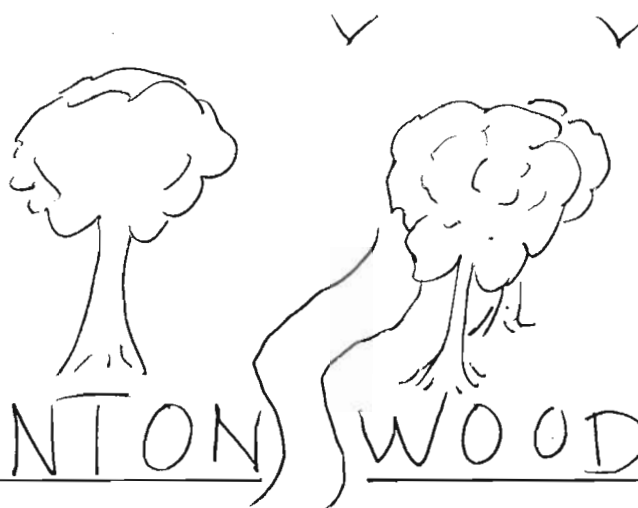
Maples
beeches
Spruces
Oaks

and we will learn about an **ESKER** → which is formed when the meltwater in a glacier leaves behind deposits of loose stones and rocks. When the Glacier is gone these deposits are called till.



Trip #2
-997
Teacher: Gabe Jospin
969-3966

Time: 9-
Place: Brown MS.
Stuff: field kit,
waterproof
boots, lunch,
extra food for me
your favorite
leader, 2 liters of
H₂O, bug spray



NAHANTON WOODS

Hey! The fittest of you survived through first day, and now we're ready to go on our first trip. Nahanton Woods is a really super park that's not too far from the school. There will be lots of trees + birds + insects + things to identify, but there are also two major themes that we are going to discuss.

GLACIERS

About fifteen thousand year ago, the last major ice age ended. All of Massachusetts was completely covered in ice. In Nahanton Woods, we will get to see something called a "glacial erratic". What do you think this might be?

The Charles River

The mighty Charles spends a lot of time winding its way through Newton, + consequently is very important to the area's ecology. The river is a lot cleaner now than it used to be, but some people (ignorant people) don't think it's clean because of its brown color. If you can tell me what makes the river brown, then you truly are the King of Kings!

See you all tomorrow!

Nahanton

Trip slip # 2
July 2, 2004
location: Brown MS
time: 9am - 4pm

Leaders:

Lyuda Kovalchuk
617-558-5567

Joey Backer
617-969-0288



Woods

What you need: water, lunch, boots, rain gear, bug spray, notebook w/ pencil

On this trip, we will journey into the heart of Nahanton Woods, where we'll fight off giant ~~mosquitoes~~ mosquitoes with our bug spray. In addition, you'll learn lots about invasive species and ecosystems, including the major problems that Japanese Knotweed and starlings create in Newton.



← starling



* This program must comply with the regulations of the Massachusetts Department of Public Health and be licensed by the City of Newton Health Department

In an emergency, the nearest hospital is Newton-Wellesley Hospital (617) 243-6000

TRIPSLIP #2
7-6-01

Leader: Julie -
617-964-7248

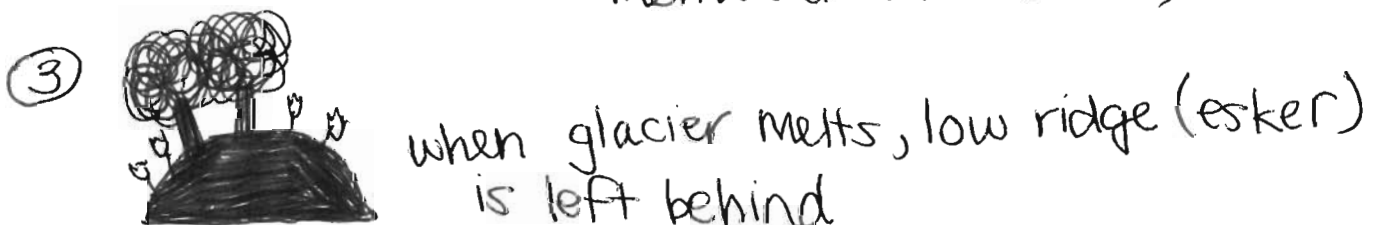
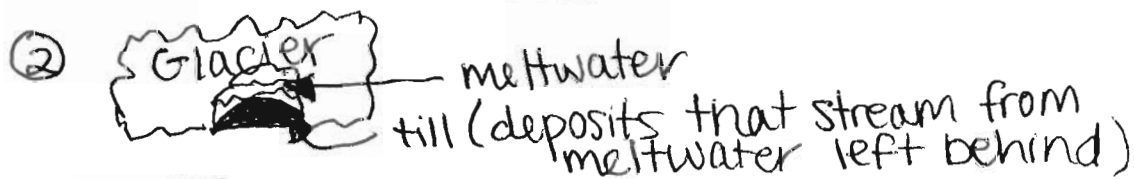
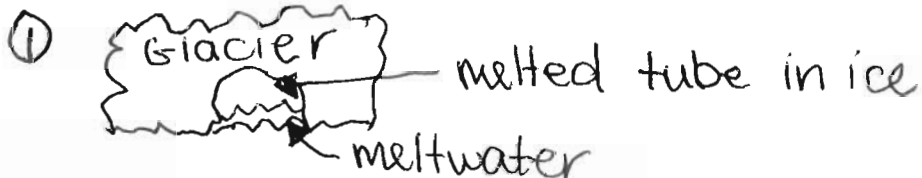
TIME : 8:30
PLACE : BROWN
STUFF: BOOTS, FIELD
KIT, A LOT OF WATER,
BUGSPRAY, ELEPHANT
LUNCH

NAHANTON WOODS!!

CONGRATS! YOU MADE IT THROUGH THE FIRST DAY OF THE PROGRAM. NOW WE CAN REALLY GO OUT AND HAVE OUR FIRST REAL TRIP. THIS IS ONE OF THE SHORTER TRIPS, SO WE WILL HAVE A LOT OF TIME TO EXPLORE AND IDENTIFY THINGS WHEN WE GET THERE. THERE IS ONE REALLY COOL THING ABOUT NAHANTON WOODS. THERE IS A GEOLOGICAL FORMATION CALLED AN *ESKER*. AND *ESKER* IS FORMED WHEN THE MELTWATER IN A GLACIER LEAVES BEHIND DEPOSITS OF LOOSE STONES AND ROCKS CALLED *TILL*. THIS IS PRETTY COOL, BECAUSE THESE ARE THE REMAINS OF GLACIERS FROM ABOUT 15,000 YEARS AGO.

I WON'T DRAW THE DIAGRAM FOR YOU, BUT IF ANYONE CAN SUCCESSFULLY DRAW THE STEPS OF POND SUCCESSION TOMORROW, YOU WILL WIN A *COOL PRIZE!*

SEE YOU TOMORROW!!!



Nahantton Woods

(Otherwise known as Novitiate Park)

Trip slip #2

7/2/97

Time: 9AM - 2 PM

Meet @ Newton South (As Always)

Leader: Alex Kraus # 964-7768

Yes, folks, it's the first real trip of the summer. Today, we'll be using our newly found map and compass skills to take us to Nahantton Woods. Remember: Red Fred goes in the shed

Equipment:
Lunch, Water, Bug Repellent, Field Kit

Hey! It's going to be hot, so bring LOTS o' water. Fill your canteens @ Home because the water at South is undrinkable

For those of you who forgot already, here's what's in a field kit:
Boots, raingear, 1st aid kit, pocket knife, pencils/pens, Extra Laces, Notebook

Pioneer stage	Mid Stage	Climax
Poplars	Pines	Maple
Birches	Sycamore	spruces
		Oaks

We will see lots of Trees at Nahantton so we will be introduced using the concept of Forest Succession

Formation of an Esker: What is an esker?



Nahanton Woods

Trip slip #2

When:

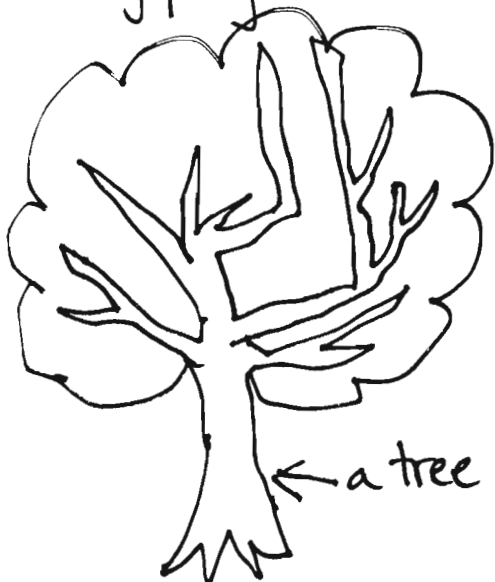
9-2 (Brown MS)
July 5, 2000

Leaders:

Jonathan Rivnay
527-1849
Angela
527-7993

Stuff to bring:

Field kit, waterproof boots, lunch, exotic fruits for your leaders, 2 liters of WATER, bug spray.



Congratulations! You have successfully completed the first day of the program. On Wednesday we will take our first real trip to... you guessed it... Nahanton Woods. At this park, there will be lots of birds, insects, and trees, etc to identify.

Here is some stuff that has to do Nahanton Woods:

POND SUCCESSION.....

① Bare Bottom



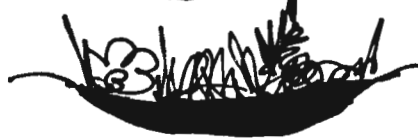
② Submerged Vegetation



③ Emerging Vegetation



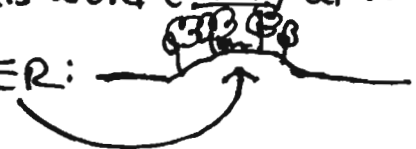
④ Temporary Pond or Prairie



Fun Fact w/ Jonathan Rivnay

Nahanton Woods has an esker! An esker is a geographical landmark formed by a glacier. Try to use this word (esker) at least 3 times today!

ESKER:



Nahanton Woods



(TREE, NOT CAULIFLOWER)

Trip slip #2

7/2/02

Leaders: Nate Kaufman (617-969-4144)

Jon Rivnay (617-527-1849)

Time: 9-4

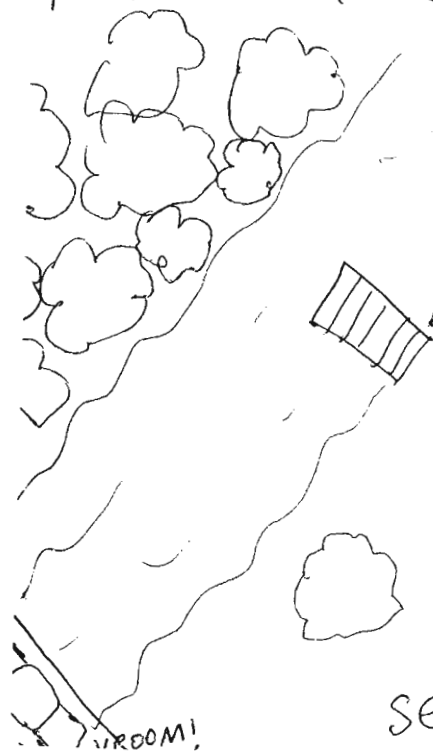
Place: Brown Middle School

What you need: field kit, waterproof boots, lunch, bug spray, 2 liters of water

If you're reading this, you have probably survived the first day. If you survived the first day and are not reading this, you're just plain irresponsible. That said, your next stop is... Nahanton Woods!

Nahanton Woods is a great place to take a dip in the Charles River... but I don't think we'll be doing that. After all, the river's pretty brown. That must be from all the pollution, right? Actually, no. Wrong. Can you tell me why it's really brown? If not, I'll just have to teach you when we're there.

see y'all tomorrow.



ROOM!

NOVITATE PARK (or Mahanton Woods)

Trip #2

July 2, 1991

Times: 9am - 2pm

Meet at: Newton South

Leaders: Eiling Yee 965-5698

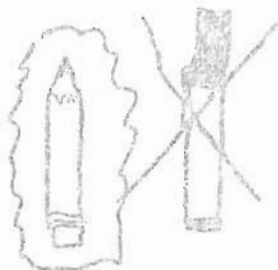
and Garen Corbett 332-4015



what's that?

Equipment

1. Over the ankle hiking boots
2. Day pack
3. First aid kit
4. Pencils
5. Notebook
6. raingear
7. pocket knife
8. canteen
9. Lunch
10. x-tra boot laces



why?

Today we will be walking to Novitate Park. You guys will use your newly acquired map and compass skills to get us there -- I hope you learned well!

Once we get to Novitate we will see: different types of maple trees, red and white oaks, and different types of birch trees. We'll also see many different types of plants: plantain, milkweed, grasses, purple vetch....

At Novitate we will see a geological formation called an esker.

An esker is formed when the meltwater in a glacier leaves behind deposits of loose stones and rocks. These deposits are called till.



1



2



when glacier melts, low ridge (esker) is left behind.

3

Novitiate Park

(also known as Nahanton Woods)

Equipment: boots, Lunch, water, field kit, raingear, and sunscreen might be a good idea, because sun burns are not fun

Trip #1 & 2
Leaders:
Sarah Northrup
965-4602
Dan Thomases
527-2763
Times: 9-2

This is your first real trip. Do you know what that means? You get to show what you learned about maps and compasses. You are going to figure out how to get to Novitiate.

On the way there, you'll learn some more different plants. We'll learn about how trees work, and what it takes to be a tree. Anybody know why a tree has rings?

We'll also talk about Pond Succession, or the changes a pond goes through as it gets older. While animals and plants get bigger as they get older, ponds get smaller. Any ideas why? Along with pond succession comes Eutrophication, which is pond succession sped up because of fertilizers.

Pond Succession

1. Bare Bottom



2. Submerged Vegetation



3. Emerging vegetation



4. Temporary Pond and Prairie



NAHANTON (Novitiate Park)

Kathy Thorp
527-3681

Stacy Sanchez

Trip slip #4

July 6, 1993

Times: 9-2

Equipment: Field kit

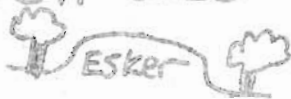
Question to ponder - lunch
water
bug spray

What's the difference between a tree, an herb, a shrub, and a vine?



Nahanton Woods is basically the area surrounding Novitiate. There are several types of trees in the area and we'll learn more about them on Tuesday.

There's also a glacial formation there called an esker. We'll also discuss this.



POUND SUCCESSION

Bare Bottom stage
(sandy, rocky bottom,
no vegetation)



Submerged Vegetation
(some vegetation growth
beneath water's surface)



Emergent Vegetation
(Vegetation above surface)



Temporary Pond + Prairie
(Marsh)

(Not enough room
for marsh)

Trip slip #2

Novitiate

leaders: Dan Thomas

527-2763

Sarah Northrup

Date: 5 July 1995

Novitiate, also known as Nahanton Woods or Park, is a small park located along the side

Equipment: Field Kit, (Back pack, Rain gear Extra boot laces, Pencil notebook, first-aid kit) Hiking boots, Lunch and Water.

of the Charles River, at one of the most South parts of the Charles River in Newton.



about here

A very brief bit of history:

Novitiate was once owned by a man named Mr. Novitiate. I think he purchased it from the Natives about two or three hundred years ago. The property stayed in his family until the City of Newton bought it in the early '80s. ~~Mr. foot~~

The park is still in good shape and will soon be made handicapped accessible. We will get to meet lots of nice trees and talk about why the Charles River is Brown. Do you know why?

This is our first real trip and you will get to decide what route we will take to get there. Practice those mapping skills.

NOVITIATE PARK (or NAHANTON WOODS)

Trip slip #6

Leaders: Eiling Yee (965-5698) and Anna (965-3815)

Date: July 10, 1990

Equipment: Field Kit, Lunch, insect repellent



Today we will be travelling to Novitiate Park. We will see all sorts of wild life, some of which you (hopefully) will be able to identify.

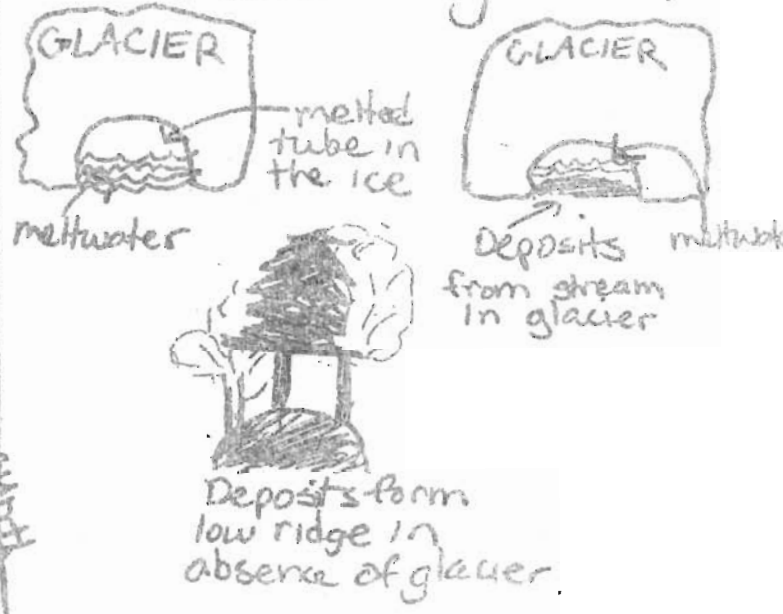
We will see: different types of maple trees, (do you know how to tell them apart?) Red and White oaks, (I know you can tell these apart) and different types of Birch trees.

We will also see many plants. Including: plantain, milkweed, grasses, purple vetch, etc.

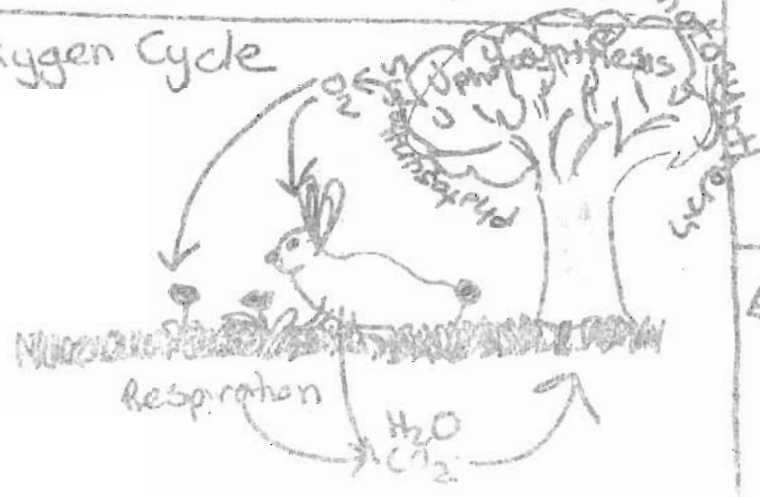
At Novitiate park we will see an interesting geological formation called an esker.

ESKERS

An esker is a ridge formed when the meltwater in a glacier lays down an upsidown river bed. The bed is made of till, which is loose stones and rocks carried with the glacier.



Oxygen Cycle



← yes, this picture of the oxygen cycle is not too good, but you are in luck, because I will explain it

NOVITIATE PARK

Times: 9-2

Leaders: Kathy Thorp 527-36
Pam Mahoney 527-583
Tripslip #2
July 2, 1993

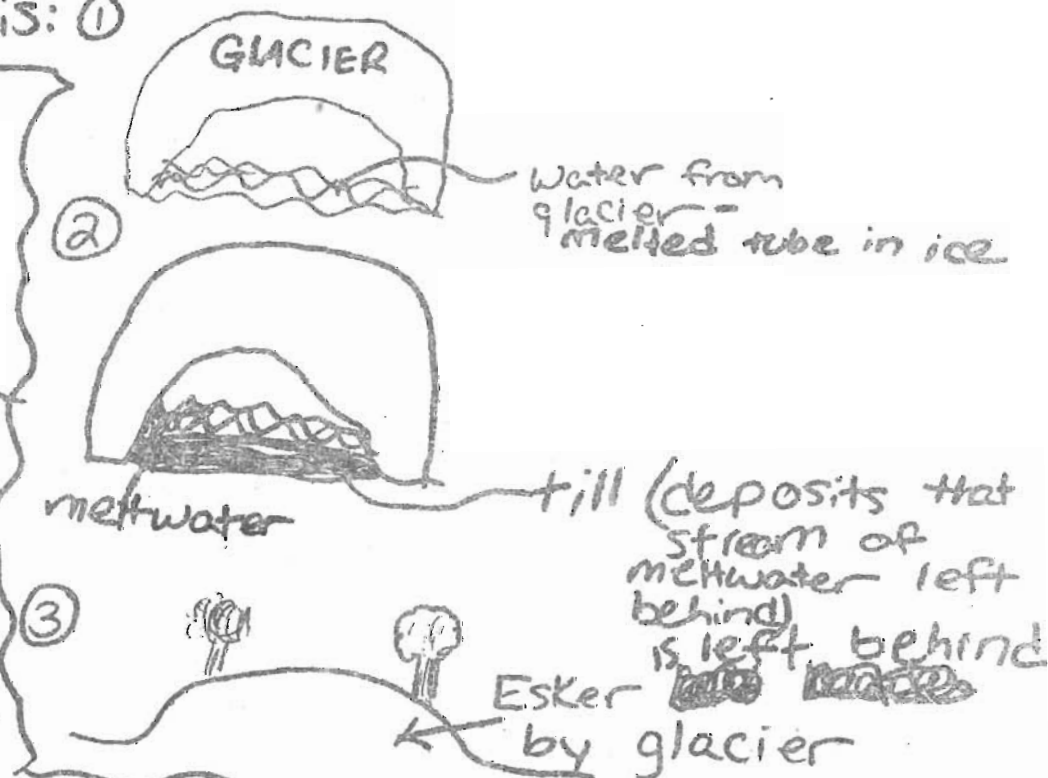
Today we'll be using map and compass skills to get to this park.

We'll be looking at a lot of different trees and plants and we'll also get to see something called an esker. An esker is a geological formation which was made by a glacier. It's formed like this: ①

Equipment:
Field Kit
lunch
H₂O
bug spray

We'll also be talking about different trees in the area.

What is a tree? The actual definition is: "a plant over 13 feet tall at maturity with a 2 foot diameter trunk with bark at chest level." Some are seed bearing, some are coniferous. (cones)



STACY'S O.D. (OWN DESIGN)

Stacy's trip #3
 July 5, 1993
 Times: Plan - 2 pm
 meet at South

ACID-BASE EXPERIMENT

Leader: me, Stacy
 Equipment: Boots, water, lunch, field kit, 1st aid kit.

On this trip we'll be staying in the south vicinity for the entire trip - but don't be disappointed just because we don't get to hike around all day and get all sweaty and hot - because we'll be working with cool acids and bases!! (SORRY all those massachists out there - the acids and bases we'll be using are not that strong) But why are we doing this, you ask? Well I'll tell you! We are going to observe the effects that different pH's have on plant life. We can observe the results of our experiment; and then we'll have a pretty good idea of what effects such things as acid rain has on plants - and the ways we can prevent the harmful effects of acid rain, such as using lime to buffer in a lake. One important thing you must know about this trip: It has to be done over a long period because the long-term effects; therefore,

We'll be using between 12 and 12 plants, and doing 4 different situations (see illustration) - the reason for more than 1 plant in each category



is that only 1 plant wouldn't provide a reliable experiment - that plant might get sick & die because of other reasons.

Since we'll probably have a lot of time left over, we'll also be doing other experiments among them testing the tap water at south and also the marsh water that you all saw on the 1st day. If we have extra time we can hang out a play frisbes maybe - so bring a frisbee!

7 in the morning to water the plants and put more acid etc. on them!

← also: a Frisbee that we might have time to use

NOVITIATE

PARK

Trip slip #2

July 5th, 1994

Leader: Kathy T.

527-3681

Today is the first real trip we'll be taking and to get there, we'll use map & compass skills you all learned Friday.

On the way over to Novitiate, we'll see a really good example of something called POND SUCCESSION.

What is Pond succession? It is an orderly series of changes in the plant life inhabiting a particular area. We'll discuss this in more detail once you see the place and get an idea of what it means. Another concept we'll talk about is EUTROPHICATION. This is kind of like Pond succession at a faster pace due to unnatural causes.

Okay one more thing (actually two) and then I'll stop. At Novitiate we'll see something called an ESKER. It is formed by glacial deposits called till:



Last thing - let's have a really good time and don't forget your lunch!

Times: 9-2

Equipment: Daypack,
Lunch, boots,
Water, sunscreen

FUN FACT:

Hate to say this but
I couldn't find one

500...

I'll make
one up on
the trip.

JULY I, 1986

Leader = COLE STANTON

Be at NSHS at 9:00 AM (normal time)

Destination: Nevittiate Park

Back at = 2:00 PM

Bring: Normal Field Kit, LUNCH, MAP & COMPASS, YOU! & BUG REPELLENT!

I. One part of a trip in the field is getting there. First we are going to use our maps and compasses to find the best route and keep from getting lost. Remember what you have learned.

TREES WE WILL SEE:

Paper Birch, Red Oak, White Oak, Black Locust, & Silver Maple, & Red Maple.

PLANTS WE WILL SEE:

Milkweed, Lichens, Mosses, Purple Verch, Snapdragons, Wild Roses, Plantain & more

INSECTS WE WILL SEE:

Many including Mosquitoes & Black Flies.

BIRDS WE WILL SEE:

We may see some of the RED-TAILED HAWKS That live in the park.

ANIMALS WE WILL SEE:

I recently found a Garter Snake we might be able to catch.

II. There are several different ways of looking at a site. One is geologically examining it. We will look at the different rocks we find and see if they tell us anything about the site. For instance if we see sandstone, Rock made from sand was there more likely to be a volcano or a river there.

It is good to think about animals in the park and why they are there.

Keep in mind and ask about during and after the trip things we will talk about like

FOOD CHAINS, TOPOGRAPHY, SPECIALIZATION & ECOLOGY & its interconnections.

Another thing to keep in mind is what animals and plants we might see and WHY are they ^{are} where they are instead of somewhere else in the park.

Today we will be traveling with Scott's group. HAVE FUN & A BLAST!!!!

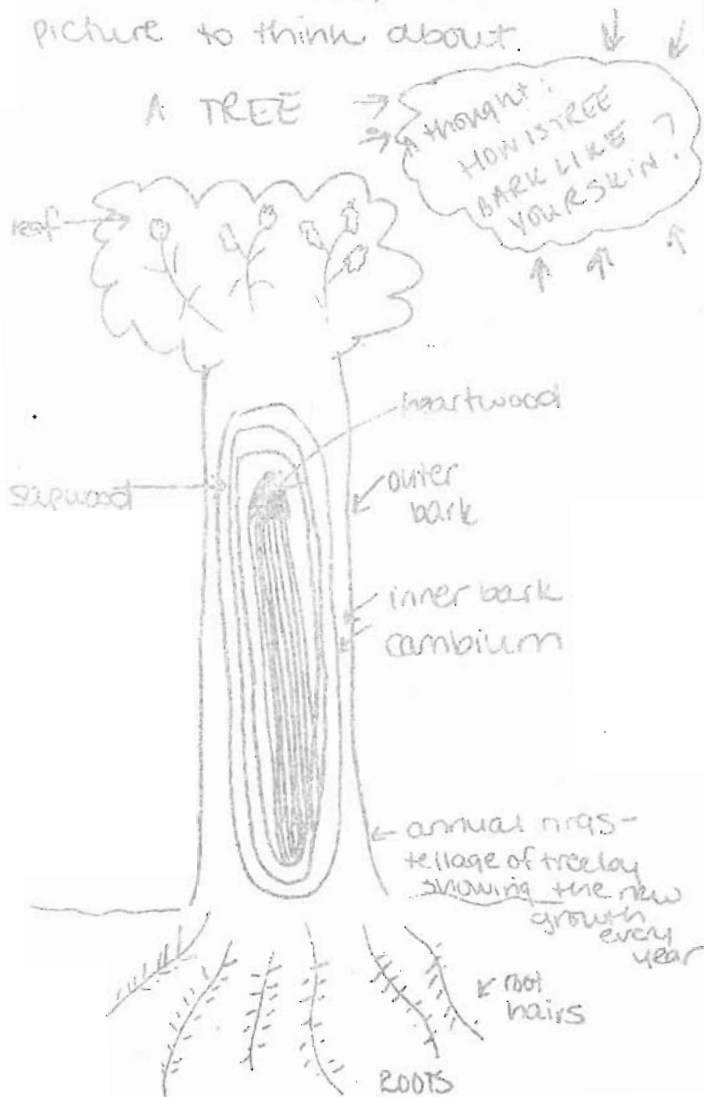


TRIPSLIP # 2
 Leaders: Kathy Thorp
 527-3681
 Pam Mahoney
 527-5831

TIME 9^{am} - 2pm

EQUIPMENT boots, field kit, raingear, lunch, water

How does a tree work? How does it "eat" and drink? How does it grow? We'll learn the specifics today, but first, here is a picture to think about.



Hey everyone - this is your first TRIP trip! It is your job to find a route to Novitate and follow it. We obviously will be practicing map and compass skills. Along the way, of course, we will identify many plants that frequently grow in Newton gardens that you didn't see at Newton South. Today we'll discuss something we always see, but maybe ^{we} don't stop and think about it - a TREE! We'll learn the basic about trees and leaves!

FUN FACT: The tallest tree ever recorded was a California Redwood (368 feet tall!)



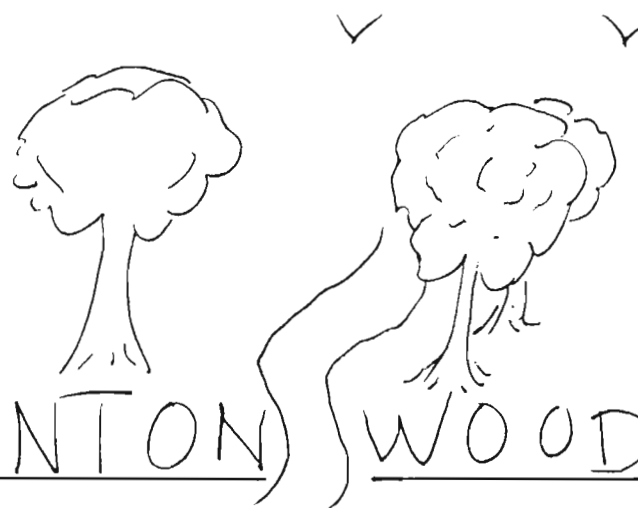
PINNATELY LOBED



PALMATELY LOBED

7-2-99
Leader: Gabe Yospin
964-3966

Time: 1-
Place: Brook
Stuff: field kit,
waterproof
boots, lunch
extra food for m
your favorite
leader, 2 liters c
H₂O, bug spray



NAHANTON WOODS

Alright! The fittest of you survived through first day, and now we're ready to go on our first trip. Nahanton Woods is a really super park that's not too far from the school. There will be lots of trees + birds + insects + things to identify, but there are also two major themes that we are going to discuss.

GLACIERS

About fifteen thousand year ago, the last major ice age ended. All of Massachusetts was completely covered in ice. In Nahanton Woods, we will get to see something called a "glacial erratic". What do you think this might be?

The Charles River

The mighty Charles spends a lot of time winding its way through Newton, + consequently is very important to the area's ecology. The river is a lot cleaner now than it used to be, but some people (ignorant people) don't think it's clean because of its brown color. If you can tell me what makes the river brown, then you truly are the king of kings.

See you all tomorrow!

Novitiate Park

Leader: Peter M (969-4196)

Trip slip: #4

July 7, 1997

Equipment

FIELD KIT

Boots

Rain gear

First Aid Kit

Lunch

Water

Small Knife

Pencils

Notepad

Day Pack

Map

Bug Spray

Now that we have rested from our three day weekend we can get back to work. Today we will be going to Novitiate Park. It is a nice little park on the side of the Charles River. You will be working on map and compass skills, because I am not going to help you get there.

There will be many types of trees, like red Oak, white Oak, sugar maple, and others. One of the big concepts we will be discussing is Forest Succession. This is the story of a forest's life..

Forest Succession:

1. Pioneer:

Here you would find small water loving shrubs and trees.

2. Mid:

Larger trees begin to come in, the undergrowth on the forest floor starts to disappear. Why?

3. Climax:

This is when the forest has grown to its peak. this forest would be full of evergreens like pine, hemlock, and spruces.

TRIPSLIP # 2

Leaders: Karyn Thorp

527-3681

Farm Machinery

527-5831

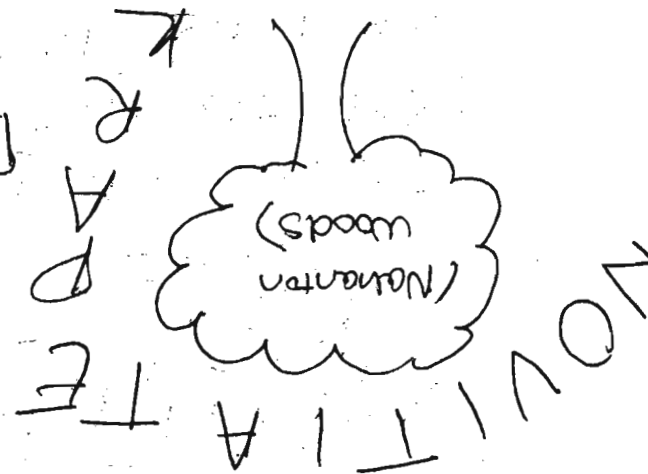
boots, field kit, raingear,

lunch, water

EQUIPMENT

TIME

9-2pm

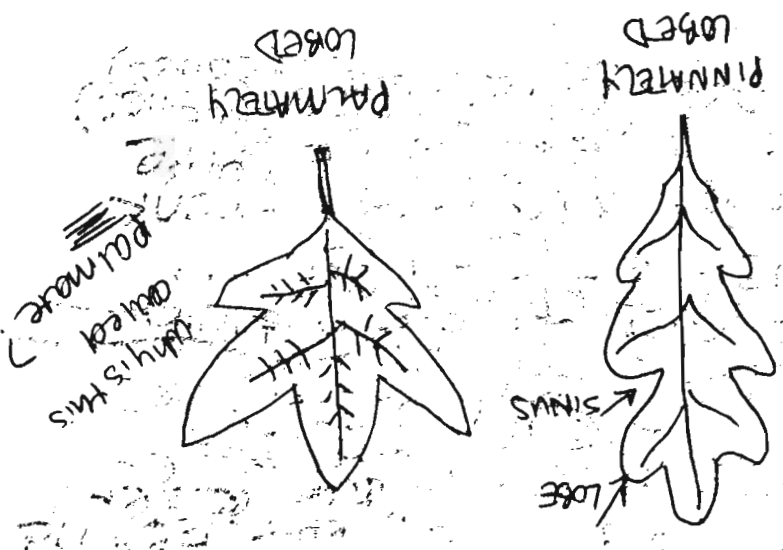


How does a tree work? How does it "eat" and drink? How does it grow? We'll learn the specifics today, but first, here is a picture to think about

Thought: HOW IS TREE BUILT LIKE?

Hey everyone - this is your first real trip! It is your job to find a route to navigate and follow it. We obviously will be practicing map and compass skills, along the way, of course, we will identify many plants that frequently grow in Newton gardens that you didn't see at Newton South. Today we'll discuss something we always see, but maybe don't stop and think about it - a TREE! We'll learn the basics about trees and leaves!

FACT: The tallest tree ever recorded was a California Redwood (368 feet tall)



NOVITATE PARK

(aka NAHANTON WOODS)

Hi! Today our ecological excursions bring us to a recently rediscovered corner of Newton, the former Novitate Park.

Before we can examine the great special geology and plant species we will see there today, we need to get there

and this involves using our recently and, hopefully, thoroughly acquired map and compass skills. This will require the asking of questions like:

What is DECLINATION?

TRIPSLIP #3 DATE: July 7, 1989

LEADER: Cole Stanton (964-5857)

EQUIPMENT: Field Kit, Lunch, Map and Compass, Insect Repellent

TIMES: 9-2 (NSHS)

~~Relief Mapping (maybe)~~ TOPICS FOR DISCUSSION: Boser

GLACIAL GEOLOGY

WATER EROSION

PLANT I.D.

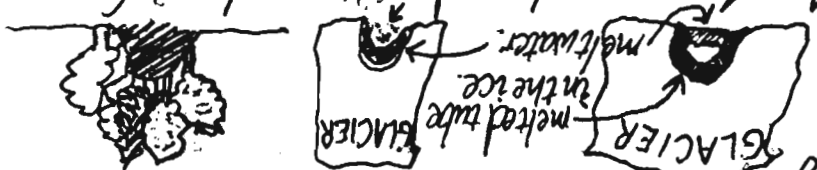
SOME SPECIES NAMES TO REMEMBER:

- Trees: Black Locust, Red Oak, White Oak, Sugar Maple, Red Maple, Paper Birch, Black Birch, Silver Maple
- Plants: Milkweed, Mullein, St. Johnswort, Grasses & Nettleleaf Plantain, Butter & Eggs, Wild Sweet

But, I promise, more interesting stuff will soon follow. Nahanton woods, as it is called today, is a threatened victory of conservation efforts.

The former St. Joseph's novitate was acquired by the city of Newton for a nature preserve, yet in the past year large scale developments of athletic fields, roads, parking lots, and a boat house have been made. This makes us ask how, if at all, the city's efforts to make the park more recreationally diverse is harming the environment?

We will discuss the geologic history of the park which was primarily formed by the glaciers. Novitate has a classic esker



An esker is a ridge formed when the melt water in a glacier flows down an upside-down riverbed. This rubble is composed of till, which is loose stones and rocks carried with the glacier. Till forms much of the surface material around us.

NAHANTON Woods

(also called Novitiate PARK)

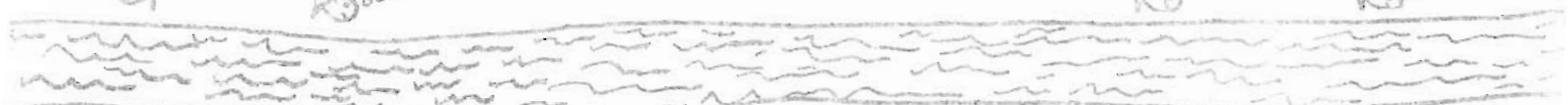
Stacy SANCHEZ
 (965-499-1111)
 Trip slip # 1001
 July 6, 1997
 Times: 9AM-2PM
 meet at Newt South

Leaders: Stacy (ME) and Kathy.

Equipment: Lunch, water, bug repellent, field kit

Today we'll be going to Nahanton Woods. By now you should be pretty comfortable using a map and compass and lucky for you, you get to do it again to get us to our destination today! Yay!

important because there are lots of bugs mosquitoes biting flies there!



We'll see many trees at Novitiate - among them oaks and maples and birches. You should be able to tell the different types of these trees apart, using your memory or if needed, a tree guide. We can also discuss Forest Succession: there are 4 different stages -

1. Meadow Stage (grasses & shrubs)
2. Pioneering Stage (water-loving, smaller trees)
3. Mid-Stage (transition trees)
4. Climax (large dominating trees)

Can you think of what a forest is in a stage? Remember the different lobes!

Among the many interesting things at Novitiate, there is a glacier formation called an ESHER.
 1. Big mass of ice, called a glacier, moves over a land area.
 2. Glaciers melt water, a stream or river forms below or in the glacier.
 3. When the glacier retreats, the river deposits till (sand, rocks, silt, debris) and the river pushes it up into a ridge.
 4. When the glacier recedes, the till falls together and ridge forms a glacier esher.



this is a palmately lobed leaf.

Leaders: Jenny Casavant (969-2776)

TRIPSLIP # 2

and Alex Kraus (964-7768)

July 2, 1997

Times: 9 AM - 2 PM

Nahanton Woods

EQUIPMENT: Backpack, yummy lunch, water, boots, Field Kit (notebook, pencils, first aid kit, extra boot laces, raingear, sunscreen, bug stuff)

Whooppeeee! This is your first real tripslip! Now I know that you're about to go nuts because you're so psyched, but contain yourself. Okay, today we are traveling to **Nahanton Woods**, which is also known as Novitiate Park. Guess what, **you guys and girls are going to figure out how to get there!!** No pressure or anything. So you will get to practice your map and compass skills.

Good, great, grand, but what ever will we do in the woods?? Hmmmm. Ah yes, we'll talk about those crazy things we see every day....**TREES**. Ducky. What about trees? Well, we are going to learn how to use a **tree guide** to identify some of the ones we see. We're also going to talk about the all-important processes, **Pond Succession** and **Forest Succession**.

QUESTIONS TO PONDER

What makes a tree, a tree????????? Why is the Charles River brown?????????

What's the difference between a Palmate and a Pinnate leaf?????????????

******FUN FACT***THE TALLEST TREE EVER RECORDED WAS 368 FT TALL******

Times: 9:00am - 2:00pm

Leader:

Garen Corbett
#332-4015

Bring:

Your Field Kit,
Lunch, Map, Bug Repellent & Yourself! See below right
for one last field kit list

A major part of our trips is getting there. Guess what? That's your job! We're going to use our maps and compasses to find the best route there - without getting lost. No problem right? We'll see...

NoviGate Park has a variety of landscapes and interesting environments. Its landscape and natural features have been influenced by the Charles River, Glaciers, the bulldozer and the beautiful soccer field. You will start to recognize, without much trouble where these influences have been made. Most likely we'll find sandstone (rock made from sand waste) which will help us identify where the Charles River riverbed once was.

On Thursday, the first real trip of ESP '92. This is a fun trip, we can "break into" our boots a bit.

We'll start dealing with some basic ESP concepts, Zonation, Adaptation, and Food Chains are the three on my agenda.

You'll have fun, and be amazed at a) how much you do know, and b) how surprised you'll be at the teeming wildlife in our backyards!

*Why do you think parks are created? We will be talk about this in detail, please spend a minute or two and think about it

Note Bene:
An important reminder on lunches - bring appropriate foodstuffs that don't spoil - no mayo, for instance! Thanks!

We'll be seeing:

- Paper Birch
- Oaks (3 types)
- Maples - who can name 3 types? There are nine!



Birds:

- ↳ Hopefully not looking like that!
- sparrows
- robins
- Bluebirds
- chickadees
- (Maybe) Grey Hawk
- Red-tailed Hawk - these live near the park

Field Kit !!

- 1) Boots
- 2) raingear
- 3) 1st aid kit
- 4) Lunch
- 5) canteen - fill w/ H₂O at home
- 6) rabbit knife
- 7) pencils/pens
- 8) notebook & pen