

Welcome To Envi-Sci

Leader: Julie Greenwald (964-7248) - MEET @ BROWN -
Times: 8:45 AM - 2 PM

Equipment: Hiking Boots!
EXTRA LACES
LUNCH
WATER
POCKET KNIFE
RAIN GEAR
FIRST AID KIT
Pencil & Notebook

Direct your attention to the arrows.

READ ME PLEASE !!!

WELCOME TO THE FIRST DAY OF THE REST OF YOUR LIFE. HA HA JUST KIDDING. WE ARE GOING TO HAVE A GREAT MONTH AHEAD OF US. ALL SORTS OF EXCITING TRIPS & THINGS TO SEE. I'M PRETTY PSYCHED. TODAY IS GOING TO BE A PRETTY CHILL DAY. WE WILL HAVE A SCAVENGER HUNT & EXPLORE THE LOVELY RESORT GROUNDS OF OAK HILL, BROWN AND NEWTON SOUTH. THERE ARE SOME FUNKY LOOKIN THINGS IN THE WOODS NEAR SOUTH. OKAY ENOUGH ABOUT THIS LET'S TALK ABOUT ME, THE GREAT & WONDERFUL JULIE. YA'LL CAN CALL ME JULIE, JULES, N'AM, OR WHATEVER TICKLES YOUR FANCY. I ENJOY WATCHING T.V. & BASICALLY BEING LAZY, BUT WHO DOESN'T. WHEN ENVI-SCI ROLLS AROUND I HAVE ALL THIS ENERGY THAT HAS BEEN SAVED UP OVER THE PAST MONTHS & I GET A BIT CRAZY ☺☺ I ENJOY JOKES & LISTENING TO PEOPLE'S THOUGHTS, SO IF YOU HAVE SOMETHING TO SAY DON'T BE AFRAID TO SPEAK UP LOUD CLEAR SO I CAN HEAR YOU, BECAUSE ONCE YOU HIT HIGH SCHOOL YOUR HEARING SEEMS TO START VANISHING. ANYWAYZ → I HOPE YOU HAVE A FUN DAY & GET TO KNOW PEOPLE. -♥-

Leader: Pam Mahoney
(527-5831)

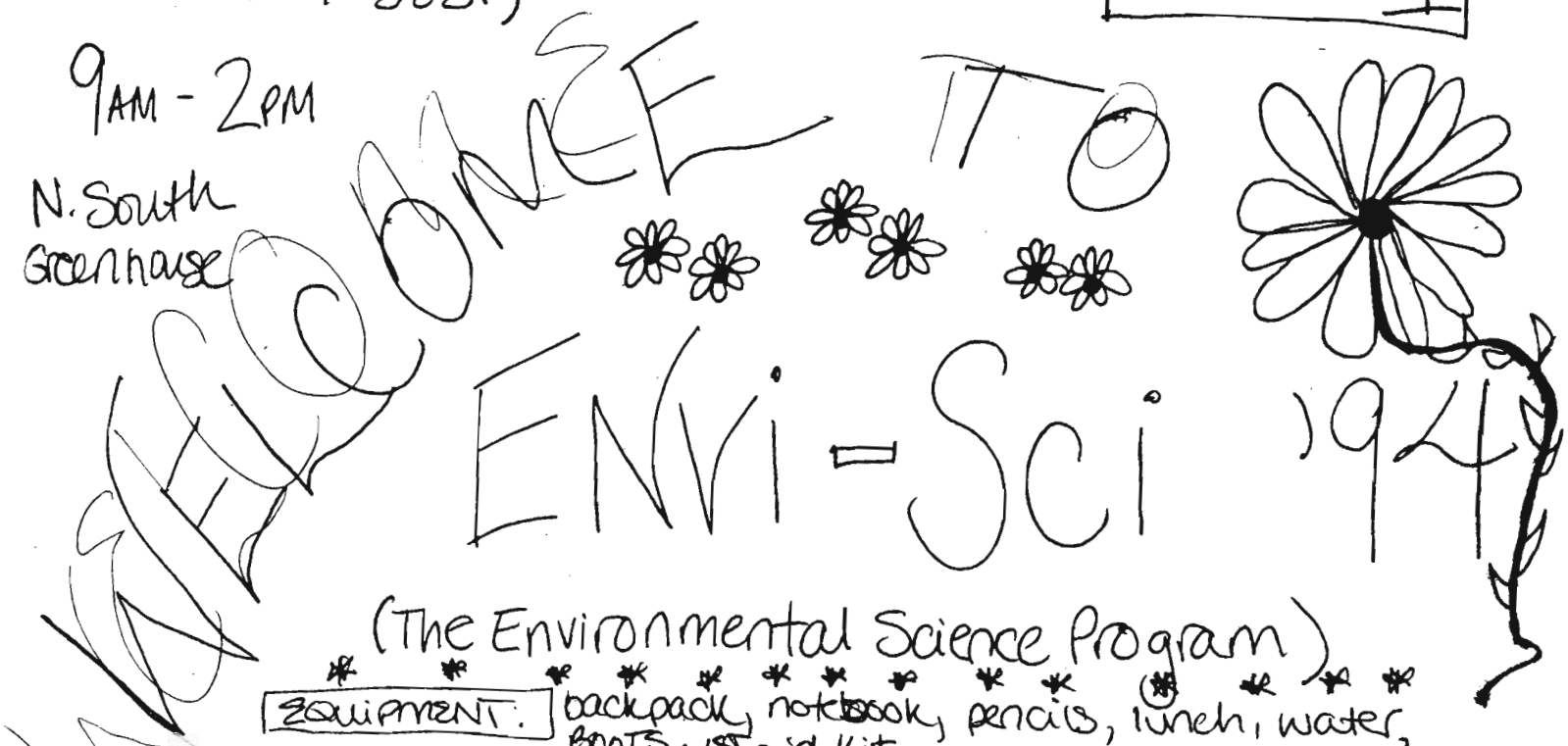
JULY 1, 1994

TRIPSLIP #1

9AM - 2PM

N. South
Greenhouse

WELCOME TO ENVI-SCI 1994



(The Environmental Science Program)

* * * * *
 EQUIPMENT: backpack, notebook, pencils, lunch, water,
 boots, 1st aid kit
 * * * * *

Welcome to the Program! We're all excited to see you,
& hopefully you're psyched to be with us!

THIS IS A TRIPSLIP! You will get one EVERY DAY of the program. It always has: the leader (s) name(s), phone number(s), trip slip #, date, times of trip, and equipment needed. Make sure you pay close attention to dates, times, and equipment. Sometimes the location to meet at changes. The trip slip is a lesson plan/info sheet for the trip. Take it home, read it, and bring it on the trip the next day.

Today, we will be dividing into groups. 1st, we'll talk about mapping, an all-important skill. we'll learn to use compasses and maps! Then, we'll stroll around South and look at the plant-life. After lunch, we're going on an environmental SCAVENGER HUNT! Don't forget, we're gonna kick butt, but the only way to do that is if all of you pay attention to the plant lesson!
HAVE A GOOD DAY ("")

Welcome To Environmental Science Program!!

(Most importantly never ever
say that this is a camp!)

Hi my name is Agatha

if you haven't already read. This, what you are
reading right now is a trip slip. Each day you
will receive one explaining what trip you will
be going on, the leader(s), times, place to meet
and what you will need to bring. It is important
to read because occasionally the times will
change and the gear you will need. ^{will be different} This does
not mean that you can just read the top either.
Read the entire thing so you know what you
will be doing that day and you just might
learn something.

what you will need every day!!

Day pack (backpack)

Extra Boot Laces

Rain gear

First Aid kit

Pencil

Notebook

Lunch + H₂O (water)

Trip slip #1
Agatha Clancy
July 3, 1995
Time: 9am - 2pm

Group

William Roble

James Fraumeni

Sergio Simjovic

Brian Hornby

Soken Fitzgerald

Today we will be
learning map + compass
skills which will be helpful
throughout the rest of the
program. We will also
travel around Brown
learning about different
plants and trees.

ENVIRONMENTAL SCIENCE (ENVI-SCI) PROGRAM

Gordon Roble
Trip slip #1
July 3, 1995

AT: Brown Jr. High
Leaders - Gordon Roble - 244-9304
Jenny Casavant - 969-2776

Equipment: Lunch, water, field kit
Craingear, boots, notebook, pencils,
1st aid kit

Your 1st Day Group - Keren Ladin, Guy Mann, Dan Greene, Jesse Suerman -
- Sayles, Jeremy Benjamin

Hey, Welcome to Envi-Sci. I know we are going to have a great month, so get psyched! This here piece of paper is a tripslip. You'll get one of these everyday, and it will tell you lots of important information like: where you're going, what to bring, times and leaders. Your leaders phone numbers are there so if you have any questions don't hesitate to call. Now, you've got to read these everyday 'cause the leaders put alot of work into them and they are always chock full of information.

All right now, enough of tripslips. Let's get down to the nitty gritty of the first day. We's a going have lots of fun exploring the area around Brown Junior High. After today you'll know the all important facts of how to find bits and pieces of food to eat if you're ever stranded in Newton. But, you're also going to learn how to use a map and compass, so from now on you shouldn't get lost. And at the end of the day, we'll turn all this new found knowledge to a good purpose and this group is going to crush in the scavenger hunt. So open your minds and get ready for a fabulous summer!!

ESP 1995

First Day! 9am - 2pm

Trip Slip #1
July 3, 1995

Equipment List: (Bring this stuff EVERYDAY!)

- Hiking Boots
- Day Pack
- Extra Boot Laces
- Rain Gear (No ponchos!)
- First Aid Kit with:
 - Band-aids
 - moleskin
 - First Aid Cream
 - extra change
- Pencils/Pens
- Small Notebook
- SMALL pocket knife
- LOTS of water (and possibly some other sugary stuff)
- Your map and compass
- A bagged lunch (Pita bread is good, instead of normal bread)

Your leaders on this First Day are:

Dan Polivy (964-1313)

AND

Allan Telio (969-4057)

Give us a call if you have any questions!

Trip Slips (and stuff)

Okay, This is a trip slip. Everyday, you will get one for the trip that you are going on the next day. It will have all the important stuff, such as the time of the trip, the equipment list, the leaders names and phone numbers, as well as information about your destination. SO - be sure to read them!

Today you will learn how to use your compass, as well as a few different types of plants and trees.

Stuff to think about!

- What is a deciduous tree? How is it different than an Evergreen?
- How can you tell if a tree is coniferous or not?
- Why are plants green?

If this is your first year at Envi-Sci, welcome! I'm sure you'll have a wonderful time! All you returning students, welcome back! Here's what's planned for today:

- Welcome/Introduction
- Handing out Maps and Compasses
- Getting to know your group
- Lunch
- Lots of other Fun Stuff!

Leaders

Alex Kraus
(964-7768)

Jenny Casavant
(969-2776)

The First Day

Trip slip #1
7/1/96

9am - 2pm

Equipment

Notebook
Daypack
Pencils
Lunch
Lots of H₂O!
Hiking boots
1st Aid Kit

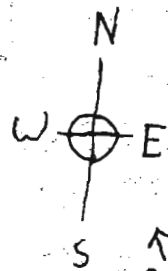
What is a Trip slip?
That's the big question. This a trip slip. You'll be getting a separate slip for every trip. They serve the wonderful purpose of telling you the who, what, when, where, and how (why?) about your trip for the day.

Today we shall be exploring the Oh so lovely plant life surrounding us at the scenic Newton South High School. We will be identifying a bunch of plants and having a generally good time.

Then comes the Scavenger Hunt!

We all get to have a big scavenger hunt where we run around frantically and look for random objects. Let me tell you in advance that we are going to WIN! (Not that winning is what counts, but...)

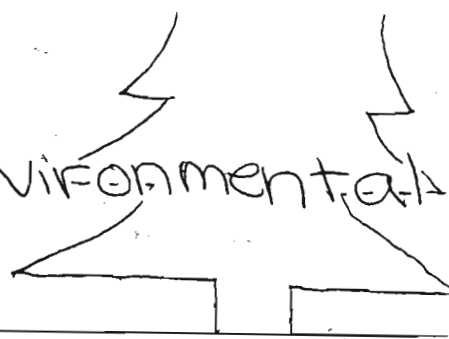
And when we're done we have another exciting day to look forward to.



A Compass!
Today we're going to learn tons of fun things about compasses like how to use them to orient maps.



Welcome to the 1996 Environmental Science Program!



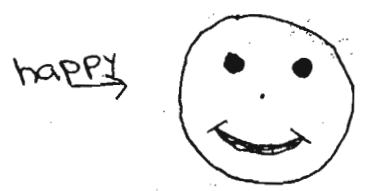
Leaders: Jeffrey Wong (332-3617)
 Peter Montague (969-4196)
 Date: July 1, 1996
 Time: 9am-2pm
 Trip slip #1
 Meeting Place: Newton South

Hello and welcome to the Environmental Science Program or Envi-Sci or ESP (which ever you prefer). You might be wondering what the heck you're reading. If you're not, I'll tell you anyways. This here is something called a trip slip. At the end of each day, you will pick up a trip slip for the trip you are going on the next day. You should always read them because they contain vital information like what to bring, when and where to meet, your daily horoscope (maybe not), and other important stuff.

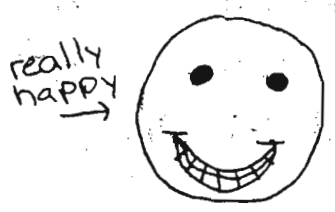
So you're reading this now and I know you must be thinking to yourself, "Gee _____, I wonder what I need to bring to the program every day?" Well, think no more! What you need is your field kit (actually your field kit) which contains the following items: over the ankle hiking boots, day pack, 1st aid kit (w/ moleskin + spare change), pencils, notebook, rain gear, pocket knife, canteen or bottle for lots of water, lunch, and extra boot laces

Today, we will be doing a bunch of fun stuff. First, we'll introduce you to what this program is all about. Then, we can all go wild! You'll learn how to read a map, use a compass, and other funky stuff like using flower and tree guides. We'll also walk around the area to get familiar with the plant life (flora) of Newton South and the Newton area in general.

You before Envi-Sci:

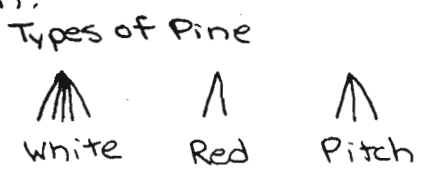
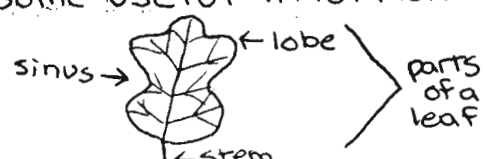


You after Envi-Sci:



Today is sort of a special day because we're not really going anywhere. Our first regular trip will be tomorrow. Most regular trips are from 9 to 2, but check your trip slips everyday since there will be several exceptions. So now you're thinking to yourself, why are we taking all these day trips? These trips all prepare you for the final mountain sequence including the three day trip at Mt. Washington. Yay!

By the way, pay attention today. We're having a scavenger hunt after lunch today. I know we'll win just because we're awesome! Here's some useful information.



1 July 1993

Rachel Kuller 332-5932

TIMES: 9 AM - 2 PM

NSHS 

GROUP: DOUGLAS STRATING
DAVID ZACKIN
TALI GAI
ANDREW McDONNELL
HANNAH RAKOFF

First Day
ENVI-SCI '93
WELCOME

TRIPSLIP #1

EQUIPMENT: BOOTS
WATER BOTTLE
LUNCH
NOTEBOOK
PENS + PENCILS
FIRST AID KIT
X-tra BOOT LACE
POCKET KNIFE
DAY PACK
RAIN GEAR

This is a TRIPSLIP - a very important piece of paper!! Each day you will receive a trip slip which will inform you about the trip you'll be taking the next day. Trip slips will explain starting + ending times, trip location (almost all start at South), and equipment needed. They also will include information about what you will be learning, and possibly some trivia or cool pictures. It's important to read your entire trip slip EVERY DAY!!

FOR TODAY...
ORIENTEERING


What is a compass?
How can it be used?
What are the different features on a map?
How are a map and a compass related?



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W ↑ E
S

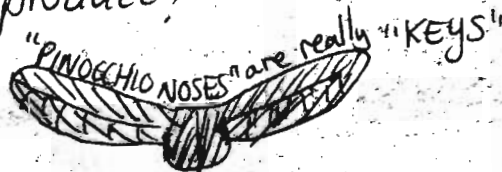
What is a topographical map?
We will be using our map + compass or "orienteering" skills every day to get to our trip locations!

USE OF GUIDE BOOKS / PLANT & TREE I.D.

You'll be surprised at all the plants around Newton South we can find and identify, everything from dandelions  to pineapple weed to Sumac trees.

We'll learn how to use a guide book - how to find the tree or plant we're looking for, and to understand the info. about it.

- What are some different leaf shapes?
- What colors do flowers come in?
- How do different plants + trees reproduce?



SCAVENGER HUNT

Let's see if our group can use what we've learned today to find everything on the scavenger hunt list!



(four-leaf clover is a tough one!)

TRIPSLIP #1
July 1, 1993

LEADER: MOLLY SMITH (905-1979)

OUR GROUP: HUNTER FRASER
BENJAMIN HENRY
ALEX KRAUS
ANDREW MARCUS
JUSTIN MITCHELL

TODAY'S EQUIPMENT:

LUNCH COMPLETE DAY-PACK
WATER RAIN GEAR (You never know if it will rain)
BOOTS! THIS TRIPSLIP



THIS IS OUR ENVIRONMENT.
OUR GOAL THIS SUMMER:
LEARN HOW IT WORKS, AND
HOW WE CAN PROTECT IT!

TODAY'S OBJECTIVE:
LEARN THE BASICS ⇒

- ① MAPPING + COMPASS SKILLS
- ② IDENTIFYING COMMON PLANTS
- ③ WHAT BELONGS IN A DAY-PACK
- ④ HOW TO WIN THE FIRST DAY SCAVENGER HUNT!

IMPORTANT ENVI-SCI VOCABULARY:

ENVI-SCI ⇒ The environmental Science Program (also called ESP)

DAY-PACK ⇒ The backpack you bring every regular program day

TRIPSLIP ⇒ This sheet of paper. It gives you information about your trip (such as where, when and how) and also tells you what you will be learning. BRING YOUR TRIPSLIP ON YOUR TRIP, THEY WILL BE USED!

CHOICE SHEET ⇒ How you choose your trips. You are given choices and you rate the trips in order of preference. DON'T FORGET TO FILL THEM OUT + WRITE YOUR NAME ON THEM!!!

Environmental Science Program

Trip slip #1
Agatha Clarey 969-7407
Dan Thomas 527-2768
July 1, 1994
9:00am - 2:00pm

Group:

Ian Bomberwitz
Tali Gai
David Kliwans
Dan Polivy
Ben Issac Thacher
Dan Wu

This is a trip slip. You will receive one of these everyday. It is helpful to read these to find out the times of trips, where you are going, what will be there, and anything you need to bring. It would be to your advantage to read them because you will be more informed about the trip and might be able to teach it to the rest of the group.

Today we will meet and get to know everybody. We will discuss what will happen during this fun, exciting month. We will walk around South and discuss the plants and trees that are around here. It would be good to listen because later we will be having a Scavenger Hunt looking for everything that you learned.

We will be learning how to use a map and a compass and you can look for your streets.

Types of Pines

White Pine }
Red Pine } how can you
Pitch Pine } tell the difference?

Everybody get pumped for a great month!!!

What is the difference between a monocot and dicot?

What to bring everyday!

Hiking boots
Day pack (backpack)
Extra boot laces
Rain gear

First aid kit
Pencil/Notebook
Canteen (water)
Lunch



This is supposed to be a bee.

This is a trip-slip!



Hidaly - Ho
Neighbors and fellow

Envi-Sciars - Welcome to
ENVI - SCI - Weee!
(the environmental Science program)

#1 - Gordon Roble
244-9304
7/1/94
9:00 A.M - 2:00 P.M.
Newton South

Equipment list:

1. Over the ankle hiking boot
2. Day pack
3. First aid kit
4. Pencils
5. Notebook
6. Water proof Rain gear
7. Pocket knife
8. Canteen - H₂O
9. Lunch - Yag
10. X-tra boot laces

Remember: You need to bring this stuff every day

As many of you realized today is your 1st day. Today we are going to orient ourselves with each other and with the flora and fauna of south & Newton that is?

We will see the ever-present favorites such as Pineapple weed, chickory, and broad leaf plantain. We will also talk about how to tell one tree from another,

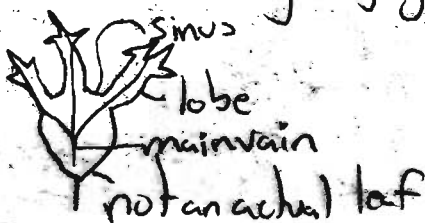
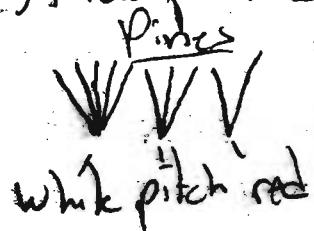
Hi, I'm Gordon Roble, I'm going to be your friendly leader today. This is a trip-slip. You have to make sure you get one of these every day so you know what to bring and where to meet. Very Important!! I'm number is here so if you have and ??? - Call

Your 1st Day Group

Ben Berlin	Welcome!
Sam Daffe	
Dou Mermelstein	
Rebecca Sheppard	
Alexandra Wright	

Do you know how to tell if a tree is a tree and not a shrub in disguise? We will also do everybody's favorite activity - map and compass games - what's wrong with this picture ->

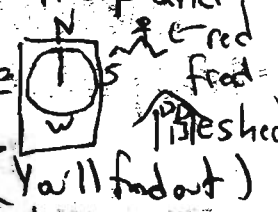
A few pictures for your viewing enjoyment.



And last but not least
Yag
Envi-sci



Happy Student



Tripslip #1

First Day

Welcome to:

Environmental Science Program 2000

Your leaders for today will be myself, Danny Yagoda (738-0269) and Angela (

Get ready cause this is going to be the greatest-funniest summer of your life.

Today's mission, should you choose to accept it, is one that will take cooperation. For this reason, we ask that you work well together so that our group can rise to the top. We will start out by introducing one another and learning a little more about what envi-sci is all about, for those of you who are returning students you are all experts at this kind of stuff so make new students feel at home. Today we embark on the traditional scavenger hunt in which our team must rally up the most number of points to win.

Everyday you will be in different groups, on different trips, with different people and different leaders. The goal is to make friends with everybody. If you have any questions about anything at all related to the program feel free to ask any of the leaders. On a daily bases you will need to bring a field kit which includes everything you hopefully brought today, (water, backpack, hiking boots, extra laces, first aid kit, compass, raincoat, and a swiss army knife.) Some trips ask that you bring other stuff in addition to the regular field kit, which is why it is very important that you read and take home your tripslips every day. A tripslip is your guide to the next day. It tells you where you're going, what you're doing there, with whom you're going, what you need to bring and from when to when you're going. If you have any questions, the telephone numbers of your leaders for that day can also be found on the tripslip.

Congratulations on becoming a member of the Envi-Sci 2000 program, we wish you the best as we kick off the summer with what will be some of the greatest, funniest, adventurous moments of your lives. We hope you learn a lot and more than anything

have fun!

Leaders: Jesse Sayles (965-2719)

TRIPSLIP # 1

July 3rd, 2000

Times: 9am – 2pm

Location: Brown middle school



The First Day

Equipment: backpack, Hiking boots, lunch, WATER (two quarts), Field kit (notebook, pencils, first aid kit, extra boot laces, rain gear, sunscreen, bug stuff, pocket knife)

Fred: Susan, I'm so excited that the program is starting. Woo hoooooooooooo. That Envisci to us insiders.

Susan: Me to Fred. I'm even more excited about the first Tripslip!

Fred: Say what??

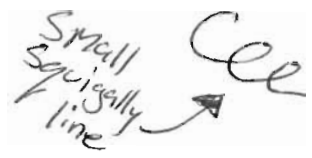
Susan: The first tripslip. You know, this peace of paper that we're on, that will always have the name and phone number of the leader(s), what equipment the kids should have, what the kids will be doing that day, the times, and the location that the kids will be meeting at, and being picked up at.

Fried: Oh ya, I forgot. But I do remember what were doing to day. Were going to learn about some crazy whack funky plants and rocks, and then have a scavenger hunt. Yippee.

Susan: That's right Fred. Grab holed of your hats everyone because the Program is in full effect.

DO YOU KNOW WHICH ARE MONOCOTS, AND WHICH ARE DICOTS? PUT A "D" UNDER THE DICOTS, AND AN "M" UNDER THE MONOCOTS. If you don't know which are which, or what a Monocot or Dicot are, that's O.K, because you will by the end of the day.

Grass Maple Trees Corn Pea Nuts Dandy lions Palm Trees Oak Trees Chicory



THE 1ST DAY YAY

trip slip 1

7/3/00

9am - 2pm

This is the first day.

What you are reading is a trip slip.

It will tell you all the important information for your next day's trip. Info like your leaders (Michael 244-0285 and Sarim 969-3966).

What you'll need (backpack, lunch, H₂O, notebook, writing utensil, 1st aid kit, rain gear)

It will also tell you a preview of what we'll be doing (Scavenger hunt). Get ready for fun.

First Day

Trip slip # 1

When:

9am - 2pm
July 3, 2000

Where:

Brown Middle School

Leaders:

Jonathan Rivnay
527-1849
Julie Greenwald
964-7248

Equipment:

Hiking Boots,
Lots of Water,
Enough lunch to keep
You satisfied,
Field Kit (Raingear,
First Aid, etc.)

Weather Forecast

by boston.com for:

MONDAY

July 3, 2000



Partly Cloudy
High 87 / Low 69

EnviSci takes no responsibility for the accuracy of the boston.com weather forecast. You must bring your raingear no matter what! And lots of water as well.

Hello Everybody, and welcome to the Environmental Science Program, better know as EnviSci or ESP or whatever. I bet you're all asking yourselves: "But Jonathan, what is this that I'm reading?" and if you asked someone who has been with the program before, they would tell you: "Wow! (Your Name Here), this is a *Trip slip!*" You will get one of these before every trip you go on this July. It will explain such basic details as where you're going, what's so special about this place, and where and when to meet.

Today we will get to know our fearless leaders, and then walk around the Brown and Newton South Area and learn about our surrounding environment. Then, after walking around and havin' a kickin' time, we will eat our huge lunch. And we'll wrap it up with a Scavenger hunt!

WELCOME TO THE.....

ENVIRONMENTAL SCIENCE

it's gonna be HOT, humid and...



SUNNY!

Leaders: Amelia Runyan (244-8836)
Jesse Sayles (965-2719)

Time: 8:45-2:00 PM

Meet @ Brown Middle School



STUFF TO BRING

- * Hiking Boots!
- * extra laces
- * LUNCH
- * WATER
- * Pocket knife
- * Rain gear
- * First Aid kit
- * Pencil + Notebook

(in a backpack)

Hello! and welcome to the environmental science program!

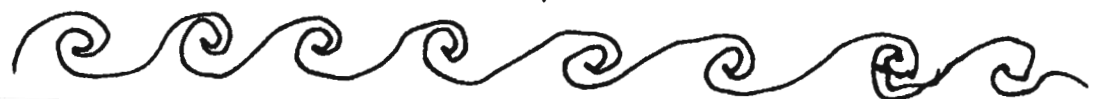
Dudes! Get psyched because we are gonna have a rockin' summer!

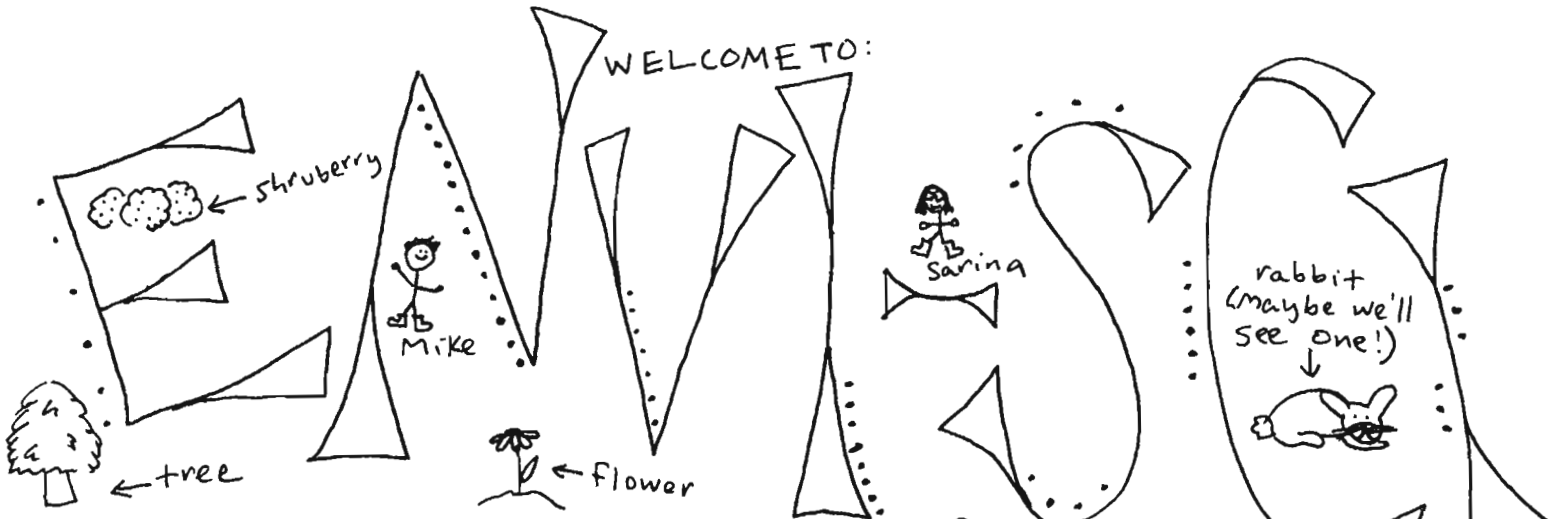
This sheet you are reading is called a "Tripslip" and you, my friends, are going to get at least one of these everyday. You need to read your tripslips because it will have important information that you need to know about all the trips. Today we are going to walk around Brown and check out some plants and stuff and you should pay attention because later we will have a scavenger hunt and our SRP group is gonna win! Also we will learn some basic skills for reading maps and using compasses. After the trip we will have some more trips to cool places all over Newton and surrounding cities. These trips will help us prepare for our amazing, wonderful, kick-butt trip up Mt. Washington! I'm excited to meet you all and have the best summer ever!

Trip slip #1



HAPPY HIKING!





Leaders: Sarina
Yospin
(969-3966)
and Mike Dyen (244-0285)



2 😊 😊 😊
TRIPSLIP NUMERO UNO
(one) (1)


Date: July 3, 2000






Time: 8:45 - 2:00

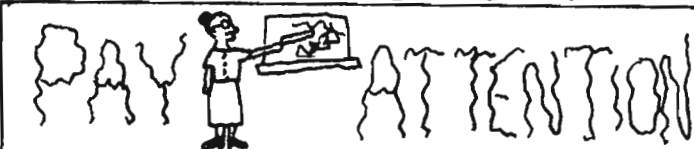
Meeting Place: Brown Middle School

YIPPEE FOR ENVISCI!

YEE-HA! Make sure your hats are on tight, cuz it's time for **ENVI-SCI!** As your reward for finishing another year of school, you get to have a **blast** for the entire month of July. I'm Sarina, and me + Mike will be your leaders today (you lucky dogs). Today, we're going to cruise around Brown and South, identifying various plants we encounter. To do this, we'll use guide books  and our good ole-fashioned noggins . But **WAIT...** there's even more stuff you need, and I hope you all remembered to bring it! Introducing the

FIELD KIT! 

- DUDE!** You need to have this stuff every day.
- over-the-ankle  **HIKING BOOTS**
 - DAYPACK
 - FIRST AID KIT with  moleskin + quarters
 - NOTEBOOK and PENCILS 
 - RAINGEAR (jacket + pants)
 - POCKET KNIFE (no poking eyes out)
 - EXTRA BOOT LACES
 - LUNCH 
 - CAMPASS 
 - TRIPSLIP **SO IMPORTANT**



while we're ID-ing plants, cuz later in the day we'll have a scavenger hunt, and you all best be knowin' what you're lookin' for! That way, our **NASTY** group can kick some naturalist booty!!
OUR GROUP IS SO COOL!

Trip slip #1
 Date: July 3, 2000
 Times: 8:45-2:00
 Place: Brown Middle School
 a.k.a. BMS

Welcome to
 The Environmental Science
 Program's

Leader: Gabe Yospin
 969-3966
 Equipment: Field kit, Boots, lunch
 water



FIRSDAY!



Welcome to Envi-Sci, the most awesomest summer program around. Most days, we hike around Newton, and visit all sorts of awesome places. But today is special - we're going to hike around Brown and South and look at some of the awesome plants and animals! There are tons of really cool, exotic plants that most people don't know about, but by the end of today, you will. Note: there is something of a contest between all of the groups at the end of the day, and the winning team get a prize, probably something edible, so keep that in mind.



Well, I'm glad you asked - this is a trip slip (like it says at the top). Trip slips tell you everything that you need to know about the trip. You usually get them the day before, so you can call your leader if you have any questions. You should keep these, and bring them with you on the trip the next day.

- Well, I'm glad you asked - every day, you will need your field kit, which includes:
- DAYPACK
 - FIRST AID KIT
 - NOTEBOOK & PENCILS
 - RAINGEAR
 - COMPASS
 - POCKET KNIFE
 - EXTRA BOOT LACES
 - LUNCH
 - WATER (2 parts H, 1 part O, and all delicious)
 - CHANGE SHOES
- And you need to wear your boots every day.

Trip slip # 1
July 3 2000
9-2

EQUIPMENT:

- Hiking boots
- Day pack
- Lunch
- a lot of water

Leaders: Julie & Jon

964-7248 - first aid kit
- Notebook
- pencil

- THE FIRST DAY

Soooo, what are we doing today you ask? Well, young Jedi, we are about to embark on our journey through envi-sci. Today I am your leader, but you never know who will come next. Starting wednesday we will be leaving our home base Brown and traveling to other more interesting places. If you cannot make a trip be sure to call your leader the nite before. Telephone #'s are located at the top of exi slip. One of the first orders of buisness is going to be to get familiar with the plant life around Brown, Oak Hill & South NExt. . . . we will learn how to use a map & compass. I hope you all accept this mission and the missions that will soon follow. We only have a month together and it goes by fast, so lets make it great!

Question:

why is the Tree of Heaven called the ? tree of hami

TRIPSLIP #1

JULY 1, 1999

LEADER: ALEX KRAUS - # 964-7768

TIME: 9-2 P.M. MEET @ BROWN

Envi-Sci '99: The First Day

"What is this crazy piece of paper in front of me?" you ask. This, dear student is your very first tripslip. It is a wonderfully informative piece of paper that you will receive at the end of each normal day, describing the following day's trip. It is important that you read your tripslip everyday, in case there is a change in anything (times, meeting place, etc...) They also contain helpful knowledge and occasionally they are even a little entertaining.

OK, next item of business. Your tripslips will tell you to bring a "Field Kit." So what exactly is a field kit you ask? Ah, read on and you shall see!

Field Kit:

Day Pack

Hiking Boots (over the ankle)

First Aid Kit (with moleskin and spare change)

Notebook and Pencils

Raingear (coat and pants)

Pocketknife

Water Bottle (bring at least one liter)

Extra Boot Laces

Lunch

With that behind us, I would like to use a little space to welcome you to the Environmental Science Program. Those of you who have come before no what a great summer we have ahead of us. For you first timers, you'll catch on quickly. Oh, What joyous fun.

First Day!

Trip slip # 1

When:

9am - 2pm
July 1, 1999

Where:

Brown Middle School

Leaders:

Jonathan Rivnay 527-1849
Jesse Sayles 965-2719

Equipment:

Hiking Boots, Lots of Water,
Super D-licious Lunch, and
Field Kit (Raingear, First Aid, etc.)

Hello Everybody, and welcome to the Environmental Science Program, better know as EnviSci or ESP or whatever. I bet you're all asking yourselves: "But Jonathan, what is this that I'm reading?" and if you asked someone who has been with the program before, they would tell you: "Wow! (Your Name Here), this is a *Trip slip!*" You will get one of these before every trip you go on this July. It will explain such basic details as where you're going, what's so special about this place, and where and when to meet.

Today, according to the Weather Channel it will be *partly sunny*. *Becoming more humid. High around 80.* So it should be a nice day (but I claim no responsibility if this forecast is inaccurate or incorrect). Today we will get to know our fearless leaders, and then walk around the Brown and Newton South Area and learn about our surrounding environment. Then, after walking around and havin' a kickin' time, we will eat our Big D-lishus lunch. And we'll wrap it up with the Scavenger hunt!

Fold along this line to make the page shorter?

Welcome to The 1996 Environmental Science

Program



Tripslip #1

Your Leader for the day will be:

The one and only Allan Telio

Equipment: Your field Kit, most importantly your hiking boots and lunch.

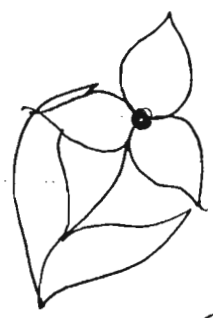
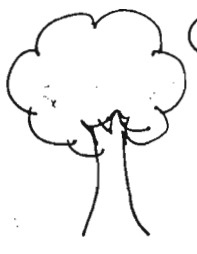
Hello and welcome to the Environmental Science Program. Today is the first day of our fun filled program. We will be getting to know each other, having fun, and educating each other about the world that surrounds us. Yes I know that this sounds like a lot to do in only one day but I am a trained leader. I know what I am doing.

The first part of this day we will be learning about two things: the plants that surround us as well as how to use a map and compass. Knowing these two things will come in very handy later in the day when we have a scavenger hunt. I have no doubt that we will be able to beat all of the other groups. If we do win we get some kind of prize. I'm not sure what it is.

But enough of that chitter chatter. By this point I bet you are wondering what you are reading. I will tell you. It's a Tripslip. Each day when you come back from your trip you will receive a Tripslip. The Tripslip will tell you what trip you will be going on the next day and what you need to bring. It will also give you a preview to interesting things that you will be learning next year. **You must read your Tripslip everyday.** They changed my life and could change yours too. Well... they did not change my life but they did teach me many things. They are very important so make sure that you read them. Thanks for reading this Tripslip and let's have the best summer ever.

Welcome to the

Environmental Science Program



Trip slip # 1
July 1, 1996
9am - 2pm
Starting at South
Sarah Northrup
#965-4602

Equipment: hiking boots, lunch, water, field kit (including day pack, raincoat, first aid kit, note book, pocket knife)

Hi!

Since this is the first day of going to South Env-Sci, we're going to stay close to little about some of the different plants that we see. We'll also learn how to use a map and compass. We'll also learn why that would be important?

Any ideas about that?

This afternoon we're going to have a scavenger hunt and see how much you remember. (So you are currently reading a thing called a Trip slip. You'll get one every afternoon to tell for you about your trip for the next day.)

ALWAYS READ YOUR TRIPSLIP!

We don't just write these for our health, they are to teach you about where you're going and if the times or equipment is different. (Also not every trip starts at South)

Your leader's Name and phone # are on the trip slip, if you have any questions, or if you're not going to be there, you can give your leader a call.

Leaders

Jenny Casavant
(964-2776)

Alex Kraus
(964-7768)

Trip Slip #1
July 1st, 1996
9AM-2PM

Welcome to
Envi-Sci! 😊

EQUIPMENT

Daypack
Notebook
Pencils
Lunch
Water
Hiking Boots
1st Aid Kit

Well howdy! You're probably wondering what this crazy thing is that you're reading. Alrighty then, I'll tell you. This is a TRIPSLIP. You'll get one for every trip that you go on (Yippee!). It's important to read your tripslips every day because it will tell you important info, like where you're going, who your leader(s) is/are and what you need to bring. You also should bring your tripslips along with you on your

trip. So, don't leave South every day without getting one of these puppies

Okay, today we are going to break up in groups to do some stuff. Among the "stuff" will be learning how to use a map and compass as well as exploring the area around South and learning about all the cool plants in the area.

After lunch we're going to be going on an environmental scavenger hunt. And since you all are going to pay such close attention to the plant lessons we're OBVIOUSLY going to win! OBVIOUSLY!

Trip slip #1
7/1/96

9am - 2pm

The First Day

Leaders

Alex Kraus
(964-7768)

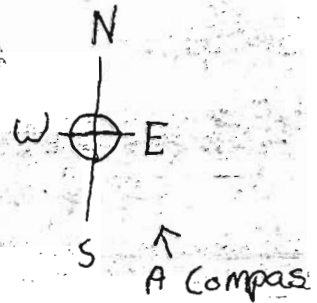
Jenny Casavant
(969-2776)

Equipment

Notebook
Daypack
Pencils
Lunch
Lots of H₂O!
Hiking boots
1st Aid Kit

What is a Trip slip?
That's the big question. This a trip slip.
You'll be getting a seperate slip for every trip. They serve the wonderful perpos of telling you the who, what, when, where and how (why?) about your trip for the day.

Today we shall be exploring the Oh so lovely plant life surrounding us at the scenic Newton South High School. We will be identifying a bunch of plants and having a generally good time.



Today we're going to learn tons of fun things about compass like how to use them to orient maps

Then comes the Scavenger Hunt!

We all get to have a big scavenger hunt where we run around frantically and look for random objects. Let me tell you in advance that we are going to WIN! (Not that winning is what counts, but...)

And when we're done we have another exciting day to look forward to.

ENVIRONMENTAL SCIENCE PROGRAM

1 9 9 6

Trip Slip #1
July 1, 1996
9am to 2pm

Meet at:

Newton South

Your Leader

Dan Polivy
964-1313

Equipment List

- Field Kit
 - Day Pack
 - Water (Lots!)
 - Bagged Lunch
 - Extra Boot Laces
 - First Aid Kit (w/moleskin)
 - Spare change (for calls)
- Raingear (**NO** Ponchos!)
- Pen or Pencils
- Notebook

Remember...

READ YOUR TRIPSLIPS!

They contain important information about your trips! If you have questions, call your leader.

Welcome to the first day of EnviSci 1996!

Your first day group includes:

Tom Aikens Brian Hornby
John Perkins Matt Trippel

What do we do?

Together, we will learn how to use and correctly orient a map (which you will receive), learn some basic identifications, and then go on a scavenger hunt! By the end of the day, you will know the difference between different types of pines, oaks, birches, and be able to identify other trees around South. In the afternoon, you will use all of your knowledge in a scavenger hunt - finding and identifying various items in South's "exotic" landscape. Well, maybe.

What is a trip slip?

(Almost) all of you are returning students, and can answer that for yourselves, but some of you may need a refresher. Each day, you will get a trip slip for the trip that you will be going on on the next day (remember to take the right one!). These trip slips have important information on them, such as what equipment you need to bring (other than the normal field kit; such as a bike for a bike trip), the times of the trip (for bike trips and other special trips that meet at different times), the location (there are trips on the T), and other information, such as what you will be learning that day. Trip slips should also include information on how to contact your leader if you have any questions; don't be afraid to call!

Things to think about...

Why are plants green?
What is the difference between a monocot and a dicot?
What causes weather?
What type of fern supposedly keeps those pesky bugs away?
Why should you **not** drink the water at South?
Why do we drive on parkways and park on driveways?

Welcome to the

1995

Environmental Science Program

Tripslip #1

Your Lovely Leaders For the Day will be:

Mr. Insightful (better known as Dan P.)

Mr. Random Fact (better known as Allan T.)

Location: The ever so colorful Brown Jr. High

Time: 9 a.m.-2:00 p.m.

Equipment: Your field kit, most importantly your hiking boots and lunch which you must bring every day.

Hello there and welcome to the first day of our fun filled program. Today we will be getting to know each other, having fun, educating ourselves and discovering the meaning of life. I know that this sound like a bunch of things to do on the first day of the program but I think we can do it. O.K. maybe we can leave the meaning of life for another day.

The first part of the day we will be learning about the plants around us. We will also brush up on our map and compass skills. This will all come in handy later in the day when we have a scavenger hunt.

By now you might be wondering what you are reading. It is called a Tripslip. Tripslips are your friends. Each day at the end of the program you will pick up trip slip. They are very important because they tell you what you will be doing the next day, where and what time you have to meet, and what you have to bring. Read your Tripslip everyday! They are important. Thanks for reading this and I hope we have the best summer ever.

Trip slip #1

WELCOME to the 1994 ENVIRONMENTAL SCIENCE PROGRAM





LEADERS: Kathy Thorp 527-3681
Peter Montague 969-4196




Welcome to the first day of the program. Today everyone will be staying around Newton South. We'll learn how to use a map and compass, how to identify plants and trees and THEN we'll have a SCAVENGER HUNT!

This is called a trip slip. Every day you'll pick up one of these. It's very important that you read it because it's got a lot of things on it that you'll need to know for the next day's trip, such as where & when the trip meets and what you'll need. If you come unprepared for a trip, you'll be very unhappy.

Anyway, for every day trips you'll need the following things: Hiking boots

Common Plants around Newton: Wood Sorell 
Pineapple weed (can't really draw this one but it looks like little pineapples)
Pepper weed
Purple Clover 
Broad Leaf Plantain

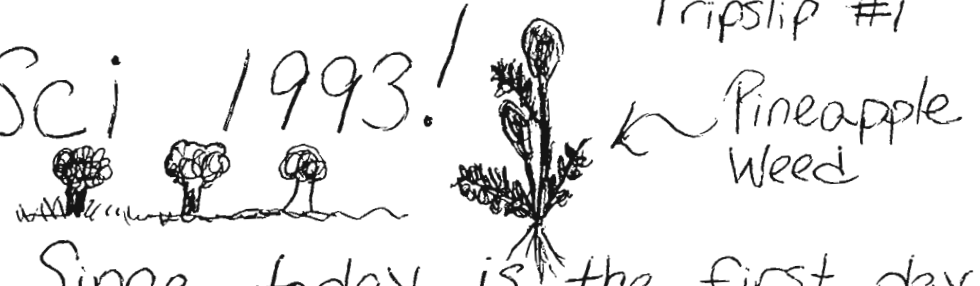
Backpack
Extra boot laces
Raincoat + (pants)
First Aid Kit
Pencils + Notebook
Water bottle and LUNCH

Different types of Pine Trees:
 White Pine
 Pitch Pine
 Red Pine (count the needles)

There are a lot of trips to come and we're going to have a great month!

Leaders: Dan Ordorica, Kathy Thorp
 527-3681
 July 1, 1993
 Trip slip #1

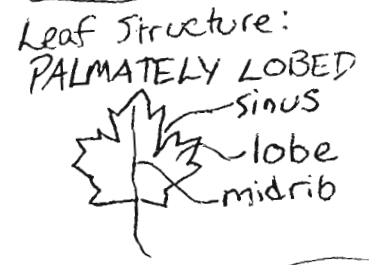
Welcome to ENVI-Sci 1993!



Our Group:
 Samuel Yellin
 Alexandra Wright
 Ryan Wagner
 Daniel Greene
 Rebecca Sheppard

Since today is the first day of this neat program, we'll be staying around Newton South. We'll learn how to identify flowers and trees and learn how to use a map and compass, and then have a **SCAVENGER HUNT!** This paper is called a trip slip. Each day you'll receive one. A trip slip tells you ~~where~~ what you'll be doing the next day, what to bring, and when + where to meet. This is very important so be sure to read them. You may end up miserable if you come unprepared :-)

There are three main types of rocks in Newton (formations):
 Cambridge Argillite
 Roxbury Conglomerate
 Brighton Volcanic



- Every day you'll need to bring the following things:
- Hiking boots
 - Backpack
 - Extra boot laces
 - Rain gear
 - First Aid Kit
 - Pencils + Notebook
 - Canteen
 - LUNCH!!**

Did you know... 90% of the energy we use comes from fossil fuel.

How to tell what kind of Pine tree is which is by the NEEDLES:

- | | | |
|-----------------------------|-----------------------------|---------------------------|
|
white Pine
5 needles |
Pitch Pine
3 needles |
Red Pine
2 needles |
|-----------------------------|-----------------------------|---------------------------|

AND now a question for you:
 What's the difference between a Red Oak and a White oak?

1 July 1993

Rachel Kuller 332-5932

TIMES: 9 AM - 2 PM

NSHS



GROUP: DOUGLAS STRATING
DAVID ZACKIN
TALI GAI
ANDREW McDONNELL
HANNAH RAKOFF

First Day
ENVI-SCI '93

WELCOME

TRIP SLIP #1

EQUIPMENT: BOOTS
WATER BOTTLE
LUNCH
NOTE BOOK
PENS + PENCILS
FIRST AID KIT
X-tra BOOT LACES
POCKET KNIFE
DAY PACK
RAINGEAR

This is a TRIPSLIP - a very important piece of paper!! Each day you will receive a trip slip which will inform you about the trip you'll be taking the next day. Trip slips will explain starting + ending times, trip location (almost all start at South), and equipment needed. They also will include information about what you will be learning, and possibly some trivia or cool pictures. It's important to read your entire trip slip EVERY DAY!!

FOR TODAY...

ORIENTEERING

What is a compass?
How can it be used?
What are the different features on a map?
How are a map and a compass related?




N
W ↑ E
S

What is a topographical map?

We will be using our map + compass or "orienteering" skills every day to get to our trip locations!

USE OF GUIDE BOOKS / PLANT & TREE I.D.

You'll be surprised at all the plants around Newton South we can find and identify, everything from dandelions  to pineapple weed to Sumac trees.

We'll learn how to use a guide book - how to find the tree or plant we're looking for, and to understand the info. about it:

- What are some different leaf shapes?
- What colors do flowers come in?
- How do different plants + trees reproduce?



SCAVENGER HUNT

Let's see if our group can use what we've learned today to find everything on the scavenger hunt list!



(four-leaf clover is a tough one!)

EQUIPMENT:

BOOTS, lunch,
field kit (the stuff on the
list, + put it in your pack!!)

Leader:

PAM MAHONEY

Phone #: 527-5831

TRIPSLIP



These hikers are
HAPPY because
they remember
ALL of their
equipment

1993 Envi-Sci P #1

9AM - 2PM

JULY 1, 1993

AWESOME GROUP:

- Peter Montague
- Amanda Navaroli
- Philip Rostler
- Sergio Simunovic
- Marisa Tarella

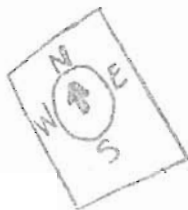
WELCOME TO THE 1993 ENVIRONMENTAL SCIENCE PROGRAM!!

This paper is called a TRIPSLIP. You will receive a tripslip every day of the program. It will tell you the following all important information: where you are going, the equipment you will need, the date and time of the trip, your leader(s)' name and phone number (in case you have questions), and information about what you will do and learn.

NOTE: Make sure you read and bring your tripslips every day. We will use these slips to teach from everyday. Be cool, be prepared!

Today we will be meeting each other! You will be in small groups to work on important map and compass skills, and then identify some plants. After, we will go on a SCAVENGER HUNT! GOODLUCK, and happy hunting!

WHAT ARE THESE?



HINT: it is green, waxy looking, and changes color in the fall.

HELPFUL HINT: Stay AWAY from it



(this green plant is GUR everywhere)

Trip Slip #1

The First Day

July 1, 1993

Leaders : Daniel Ordorica(moi) & Kathy Thorp

244-5023

527-3681

Time: 9:00AM to 2:00PM

The Group: Daniel Green

Rebecca Sheppard

Ryan Wagner

Alexandra Wright

Samuel Yellin

Bonjour, Bonjour, Welcome to - THE ENVIRONMENTAL SCIENCE PROGRAM (ESP)

On your right is the magnificent Newton South High School Greenhouse, where we will be starting off most of our trips throughout the month. What you have right here in front of you is called a Trip Slip. This is a very important piece of paper, and is worth 1/100 of a cent. It tells you where you will be going the next day, what to bring, and some interesting facts about the place you will be going and what you will see.

Seeing as today you are probably just getting acquainted with summer life, we will take it easy. No pressure to learn the Latin name of bunchberry o.k. However, you will learn somethings that are very important here at the program, first you will learn how to read a map, orient a compass, and identify a few plants in the Newton South vicinity, however most important to our program you will learn that it is never, ever called a camp, on penalty of death.

After wandering around Newton South, identifying such odd plants as pineapple weed, pepper weed, and that wonderful member of the carrot family, Queen Anne's lace, we will go on a scavenger hunt. (Yahooo!)

And don't forget your Field Kit. Everyday*, you will need to bring 1)over the ankle boots(they work well as ear-muffs), 2)LUNCH (mmm, lunch), 3)Waterproof raingear (speaking of waterproof, it would be a good idea to waterproof your boots as well), 4)First Aid Kit(for all those times when nothing goes right), 5)Water bottle (never leave home without it, 6)Pocket knife (in case we run into any bears), 7)Notebook(to draw all those professional sketches of the beautiful wildlife), 8)Pencils(for taking out our frustrations), 9)Xtra boot laces(for hanging bad students), 10)Backpack(where else are you going to keep all this stuff).

PHONE #S:

Molly: 965-1979

Stacy:

July 1st, 1992

WELCOME TO ENVI-SCI !!

My name is MOLLY SMITH and I'm your leader today along with STACY SANCHEZ. On your first day here at Envi-Sci, we will begin your education of the environment with many fun-filled, yet interesting activities. They will include:

1) MAPPING



2) IDENTIFYING PLANTS



Red Oak?
Sugar Maple?
White Oak?
Red Maple?

3) EATING Hope you didn't forget your lunch!

AND FINALLY...

4) A SCAVENGER HUNT!

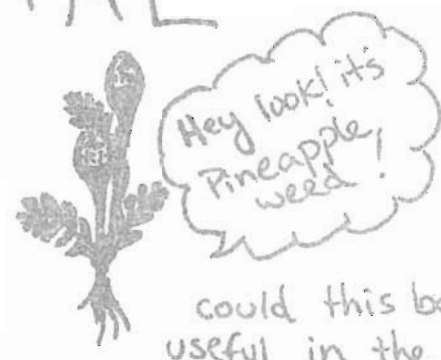


GOOD LUCK + HAVE FUN on your 1st day at
ENVI-SCI

Welcome to the $\Sigma 19923$

Trip slip #1

ENVIRONMENTAL SCIENCE PROGRAM



could this be useful in the scavenger hunt?

Your wonderful leader: Delio Tramontozzi

Phone # = 244-3377 (in case you have any questions)

Equipment: Everything on the list of 10, most importantly your HIKING BOOTS & LUNCH everyday!

Location: Newton South High School (in rear)

Time: 9 a.m. -

Welcome to your first day at our jam packed program. Today is a "get to know people" and procedure day. In order to accomplish these things while keeping a fun atmosphere we will be having a scavenger hunt searching for you guessed it - Plants! and we will also brush up on your map and orientiering skills. In fact, I will ^{give} you each your own map of Newton!

Well by now you must be wondering what exactly this paper is? We call it a trip slip. You will pick these up everyday to get all the important information you will need for the days trips to come. It will look very similar to this one, however, with more important information on it. This is our 25th year running and our staff is looking forward to a great July. Lets make it the best, for there are numerous exciting trips to come!

Thank you

FD 1 July 1992

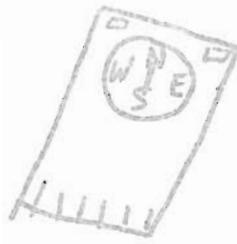
Leaders: Rachel 332-5932
Gordon





E.S.P.

9 AM to 2 PM

Group: David Broad
Jeremy Cole
Luke McLoughlin
Tyson Tyler-Sumpter
Jennifer Wallach

Equipments: Hiking Boots
Day Pack
Lunch
1st Aid Kit
Pencils
Notebook
Small Knife
Extra Boot laces
Rain gear
Water bottle



Today we will learn about trees , flowers , weeds , and shrubbery . You will be surprised to learn how many different plant species exist right here in our backyards around Newton. Later in the day, we will have a scavenger hunt to test what we learned about the ENVIRONMENT around NSHS. Hopefully we will win!!

In the morning I'll also teach you guys some neat + very useful map and compass skills, which you'll need everyday of the Program, since you'll be figuring out how to get to your chosen site for the ~~day~~ ^{day}!

Flakes for your bowl: What's the difference between "magnetic north" and "true north"?

What 1 tree has 3 different types of leaves?
How far is it from your house to NSHS?
Who's the tallest leader in the Program?



FIG. A
Were this a map?
What does Fig A depict?

Delio's

WELCOME



To Another Year of En-Vi-Sci!

Where you don't just learn about the environment, you learn how to enjoy the environment.

Through out this month of July we will do some hiking and some canoeing; and not excluding the fun. Today we will show you how to use a map and compass properly with a map.



Then we will talk about some of the geology (rocks) around Newton South High School, explaining the different kinds like Roxbury Conglomerant or sedimentary rock. A little taste of what ^{this program} is going to have to offer you. I hope you brought a big lunch, because you are going to be hungry.

Finally near the end of the day we will hand out your Trip-Slips for Tuesday, and then send you off on a scavenger HUNT! looking for great things like four leaf clovers worth 75 points or Pine-apple weed, and the easiest point scorer - Cans. Well, see you THEN!

Environmental Science Program. Environmental Science Program. Environmental Science Program. Environmental Science Program. Environmental Science Program.

Environmental Science Program. Environmental Science Program. Environmental Science Program. Environmental Science Program. Environmental Science Program.

My phone # 965-19179

Molly Smith
trip slip #1
Monday July 1st, 1991

WELCOME TO ENVI-SCI !!

Your leaders today:
Molly Smith (me)
and
Garen Corbett

Your group today:
Martha Montague
Dan ~~Or~~ Ordorica
Jane Mitchell
Nathan Kurtz

This ~~is~~ is called a TRIPSLIP. You will get one everyday and it will tell you about your trip for the next day. They will give you important information about the trip so READ YOUR TRIPSLIPS EVERY DAY!!

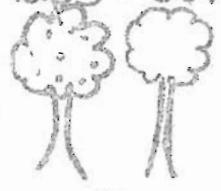
Today We Will Be:

- Introducing ourselves
- Learning About Maps + Compasses
- Identifying Trees
- Eating Lunch

(Ever forget your directions?)



Never
Ect
Shredded
wheat



AND FINALLY...

A SCAVENGER HUNT!!

Welcome to the Environmental Science Program ("Envisci")

Trip #1
 July 1991
 Times: 7am - 2pm
 Location: Newton South High School
 Leader: Eding Yee 965-5692



- ### Equipment list
1. Over the ankle hiking boots
 2. Day pack
 3. First aid kit
 4. Pencils
 5. Note book
 6. Water proof rain gear
 7. pocket knife
 8. canteen
 9. LUNCH (yum!)
 10. extra boot laces



This is a trip slip. Every afternoon you will pick up your trip slip for the next day. The trip slip will tell you the times of the trip, where you should meet, equipment that you will need, and an outline of the trip. The trip slip will also include your leaders phone number. If you have any questions call your leader. don't be shy!

Today we will be getting acquainted with each other and with the area around Newton South. We will also learn about maps and compasses.

I will check your day packs to be sure that you have all the equipment that you'll need for Envisci, and then we'll learn about some of the flora (what does flora mean?) around Newton South. We will end the day with a very fun scavenger hunt. I know we will win!



What is wrong with this picture?

Garcia, S. J. Hill
Phone # 332-4015

Mon. July 2, 1990
Tripslip # 1

Welcome to Envi-Sci!

The people in your first-day group are:
Katherine Thorp
Allan Telio

Lindsey Propp
Emily Reister

Also, your
other leader
is
Kathel Kuller

Today you'll get acquainted with the Program; the staff, trips, tripslips, field kits, as well as learning how to orientate yourself with a map, and finally, now much fun you're going to have this month, while learning!

Also today you'll start learning some basic facts about ecology - types of plants + animals. We'll also have a Scavenger Hunt.

What are trip slips?

You will receive a tripslip the afternoon before every trip (you do pick your trips, according to your first, second, and third selections, we'll try to give you your higher choice). Read your tripslips and yes, think about what's being said they'll tell you important things you need to know. Everyday you need to bring your complete field kit (unless otherwise noted).

A field kit includes:

1. over the ankle boots

2. day pack

3. waterproof raingear

4. First aid kit (read letter that was sent to you).

5. Lunch - very important, remember non-spoilable foods.

6. canteen

7. pocket knife

8. notebook

9. pencils/pens

10. extra boot laces.

Goals: To learn many things about our environment, it's cycles and inhabitants, their relationships etc. To climb mountains and trees and fend off mosquitos and most of all... Have FUN!

FIRST DAY!

Trip slip #1

Tuesday, July 1, 2003

Times: 9:00 AM - 4:00 PM

Place: Brown Middle School

Leaders: Joey "WHOOOAAA" Backer

617-969-0288

Jeff "Hazoo" DeCew

617-964-7845

Equipment: Hiking boots, lunch,
2 Liters of WATER,
raingear, first aid kit,
Field kit

Woohoo! First Day of the Environmental Science Program!

This is a day unmatched by any other in the calendar year (excepting, of course, my birthday). At any rate, we have quite the day (and month) planned for you select few. I'll start by answering some crucial - CRUCIAL - questions:

1) Joey, what the heck is this thing?? Should I eat it?

A: Well, YOUR NAME, this is called a Trip slip. It's the document you'll get every day, detailing your trip for tomorrow. On it you will find information about times, what we'll learn, and how to make your leaders like you more. Don't eat it! Give it to your parents and **FRAME IT!**

2) What's a field kit?

A: A field kit is a big bag o' stuff you'll bring to ESP each day.

3) What are we doing today?

...?? oh man oh man!

Newton South
Rachel Kuller
332-7372
and Garren Corbett
GROUP:

Katherine Thorp
Allan Telio
Lindsey Propper
Emily Reister



LNVI-JCI

9:00 to 2:00

You should bring:
(the basic 10)

- 1 over the ankle boots
- 2 daypack
- 3 raingear
- 4 1st aid kit
- 5 LUNCH
- 6 canteen or H₂O bottle
- 7 pocket knife
- 8 9 1/2" x 6" notebook
- 9 pencils/pens
- 10 Xtra boot laces

THIS
IS
A
TRIPSLIP

You will also be provided with a COMPASS and a MAP which you will learn to use today. Other activities for today include:

SCAVENGER HUNT - a chance to learn some basic plant identification and become familiar with Newton South and with each other

LEARNING HOW TO USE... a hand lens, as well as orienteering - a skill necessary to be able to use a map

And possibly ULTIMATE FRISBEE (if time allows): a chance to run around and generally have a good time.



WHO AM I?

My name is Rachel. My specialty is GEOLOGY, and this is my second year with the Program

Remind your parents that Newton Curbside Recycling has expanded!

What is a "tripslip"?

Everyday you will receive a TRIPSLIP - a sheet of information about what you will be doing the next day. It will include the date, the time of the trip, your leader, what you should bring, and what the trip is about. It may also include some information to prepare you for what you will learn. Always read your trip slip to make sure you'll be prepared, and save it for future reference.

WELCOME TO THE FLYING WINGS SCIENCE PROGRAM

Trip #

Leader: Leea Thomas Group Members:
Phone #: 527-2763 Suchi Seetharaman
Date: July 2nd Josh Temkin
Time: 9am - 2pm Lauren Ellis
Eben Liberman

HELLO ALL!

This is a trip slip. A trip slip provides for you information about the trip you are going on, what you will need to bring, and what ^{you} will see on, and at the site.

Equipment needed:

1. Hiking boots (yes, you need to wear them at all times)
2. day pack
3. water proof raingear
4. First aid kit (including, nickels + dimes, bandaids, first aid cream, etc)
5. **LUNCH**
6. water bottle
7. pocket knife
8. 9 1/2" x 6" notebook
9. pencils/pens
10. extra boot laces.

WHAT WE WILL DO: Today we are going to learn orienteering, have a scavenger hunt, eat lunch, and maybe play a game of ultimate Frisbee!

Basically today we will be hanging around South field. We will see many ~~of~~ little plants which you will soon learn the names of. Such as:

Plantain, chickoree, Pineapple weed, joule weed, Sassafras, and
much, much, more

Environmental Science program (Envi-Sci)

Trip slip: number one

Date: July 2nd

Leader: Beth Ann DiAgostino

Phone number: 332-2827

Time: 9:00-2:00

Location: Today we will be staying at Newton South H. S.



Hello and welcome to Envi-Sci. Your buddies for the

day will be:

Martha Montague

Joseph Proulx

Emily Hollander

Sarah Doherty



If you don't know already, you are reading a trip slip. You will get a trip slip for every day. These will be handed out the day before the trip takes place.

The equipment is as follows:

1. Over the ankle boots

2. Day Pack

3. Waterproof rain gear

4. First-aid kit

5. Lunch

6. Canteen or H₂O bottle

7. pocket knife

8. notebook - 9 1/2 x 6"

9. pencils/pens

10. extra boots laces

Today you will learn how to orientate a map and use a hand lens.

We will have a scavenger hunt which will be loads of fun. After words we may have an exciting game of Ultimate Frisbee. Remember have lots of fun!

The Environmental Science Program (or Envisci for short)

Trip Slip #1 FIRSTDAY!

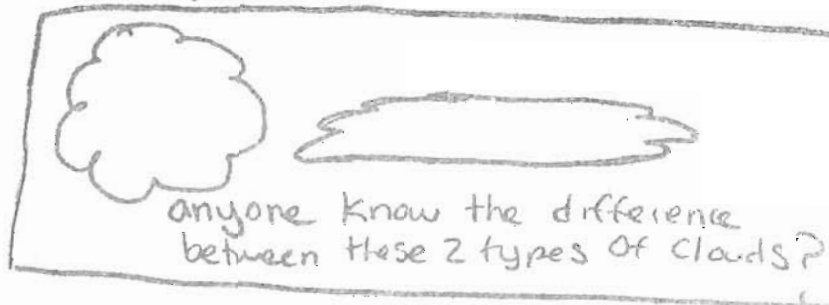
Date: July 2, 1990

Times: 9:00am - 2:00pm

Location: Newton South HS

Leader: Eiling Yee (965-5698) and Delio Trauriantozzi
(244-3377)

Group: Pam Mahoney, Michael Megrian,
Otom Jaffe, Jessica Jackson



Welcome to Envisci.

THIS IS A TRIPSLIP


Its purpose is to inform you of all the fun and exciting things that we will be doing on the FIRST DAY. Usually you will get the trip slip a day in advance and it will tell you about the trip you will go on the next day and the equipment that you will need to bring.

First, we will check over your equipment to make sure that you have everything you need including:


1. over the ankle hiking boots
2. Day pack
3. First aid kit
4. Pencils
5. Notebook
6. waterproof raingear
7. canteen
8. pocket knife
9. LUNCH
10. extra boot laces.

After we find out that you have **EVERYTHING** you are supposed to have, you will learn about map orienteering, (don't worry if you don't know what orienteering means, that's what we're here for.) and how to use a compass and a hand lense. We will also get to know the area around South. A scavenger hunt will follow and then we may just play some traditional (or new) Envisci games.

WELCOME TO ... ENVI-SCI !!

My name is Anna Doherty, and THIS is a Trip Slip!
 Trip Slips are very important. They tell you when to be where and who you will be with. You will receive a trip slip everyday - don't ~~leave~~ without one!

TRIPSLIP # 1

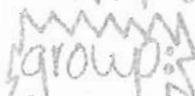

2 July 1990 

Anna Doherty (965-3815)

(Gail Stanton)

Newton South H.S.

9 AM until ... 2 PM

 group 

Dan Ordorica

Whitney Fraser

Tracey Northrup


Caroline Berk



Field Kit/Equipment:

1. over the ankle boots
2. day pack
3. waterproof raingear
4. first aid kit
5. LUNCH
6. canteen
7. pocket knife
8. notebook
9. pencils
10. extra boot laces

Goals for today:

- Become familiar with Newton South and the area 
- Learn about program
- Learn how to use guide books
- Eat Lunch!
- Meet leaders + students
- Scavenger hunt!
- Map + Compass Skills

Trip Slip Number 1
Jon phone 964-2051
Solomon Schechter
9:00 - 2:00




Welcome to Environmental Science. This is what we, in the Program, call a trip slip. It should tell you what you need to know. It will also tell you the equipment you will need.

The equipment you will need today is your Field Kit, lunch and water. The people in your group are:

NiLole
Thomas
Srinivas
Martha
Beda
Nathan

We will learn how to use a Field Guide, and go on a Scavenger hunt. You will learn how to use a Map and Compass and your Fearless teacher - me, Jon - will check your Field Kit.

HI! & Welcome to the 1988 ENVIRONMENTAL SCIENCE PROGRAM - better known as ENVI-SCI

This is a trip slip. You will pick up a trip slip the afternoon before the day you will take the trip the trip slip describes. Always read your trip slip because it contains useful information like this: 

TRIPSLIP: Number ~~8~~ Uno
DATE: July 5, 1988
SITE: Solomon Schechter
& environs
TIME: 9AM-2PM
EQUIPMENT: Your Field Kit




Your fellow first day group members:
DELIO TRAMONTOZZI
BRADLEY BAKER
MEG CORLEY
BRENDA MARSHALL
LENI YOUSSEF
BETH ANN D'AGOSTINO
MINO TAMBURINI

YOUR LEADER:
COLE STANK
(964-5857)

That's the bones of today, now let's flesh it out. Together we will learn to use a compass and topographic map of Newton (which is REAL important, how important? Put it this way: No map & compass skills - NO MOUNTAIN trips for you GET IT?!) Anyway, I'm sure you will learn quickly. Then we will run down your field kits and check for missing equipment. At this point it gets flexible: -Check out the environment around Solomon Schechter (SES) (Maybe) or perhaps we could learn to use a nature guide (Hmmm) or both. Then how about lunch, a Scavenger Hunt, and maybe some Ultimate Frisbee!!

OBJECTIVES: Get a feeling for what the program is like on a day that the program is unlike. Learn some basic map & compass skills and touch on how to observe your environment. Meet your fellow students.

Well that's it,  Have fun on your first day and remember the words of wisdom:

"To be is to do" - Socrates
"To do is to be" - Plato
"Doo Bee Do Bae doo" - Sinatra

What does this have to do with Envi-Sci? Think about it and tell me what you come up with.

Trip Slip # 1 July 5th 

your leader - (me) - Jennifer McKenna

equipment needed: your field kit

(we will be checking your packs to be sure they're complete)

the people in your group are: Bobby Fiske

Leea Thomases

Melissa Cobb

Claudia Hubstimid

Dan Alroy

Eiling Yee

Erik Volkert

Welcome to Environmental Science!

this is a trip slip. you will receive one the afternoon before every trip. we don't expect much from you (JUST KIDDING) just that you will read it and come prepared.

Today you will receive map and compass. We will also learn how to fold and use map. Then we will touch on the basic plant life that you will commonly see around Solomon Schechter. If all this isn't enough fun we will end the day with a Scavenger Hunt. This will aid you in the mastering of our basic subjects. You will work as a group. If completely necessary I will help you with something.

Good Luck!

A Drum Roll Please...

This is your first trip slip (at (circles) on the presses of your leader "sir" Alex Lavter!

Date: Tuesday July 5, 1988 | Time: 9-2

Location: Solomon Schechter Environs

Leader: Me | Phone No.: 969-4804, 964-6491

Necessary Equipment: whatever you already brought

First or Introduction: Again this is a Trip Slip! For those of you unfamiliar with this unique piece of paper, it will basically tell you what you are doing this or the next day at Envi-Sci.

Today is the first day of Envi-Sci 88.
Your group today will consist of Me & all of you.
In other words: Gail Stanton, Phulmalati McPherson
Jon Crockett, Karl Valkert
Caren Corbett, Michelle D'Agostino

Activities will include Group Awareness, map & compass skills (including topographical), Study of our Home Base Environment & Guides (ZIM!), that means studying rocks, Animals, Pollution, Earth, Air, & Water, and we're really, really, really, really, really lucky, scavenger hunt. (Wow!)
Good luck!

Trip slip numero uno (#1)

Monday, July 8, '74

∨ ≈ • » « • ≈ ∟
>> • WELCOME • <<
↑ ≈ • » « • ≈ ↑

Isie Marcus is your
leader, our group
today includes:

William Brazier •

Amy Green •

Scott Macomber •

David Wang •

★ This first day will be devoted to getting to know each other and organizing our field kits for the rest of the summer.

④ These trip slips are a guide to each day's trip site. Each aide will write them up differently. Often they'll include objectives for the day, recommended readings from books in our library, or questions about the things to be learned from the sites.

Read each page CAREFULLY! to find out starting + ending times + locations as well as special things to wear or bring.

**HAVE FUN &
BE ECOLOGICAL.**

② We will pass out to you:

- * a compass
- * a thermometer
- * a rockhammer
- * vials for collecting samples
- * a street map of Newton
- * a HUGE map of the Boston quadrangle that we'll cut up into small maps
- * file cards + metal rings to hold them together. This trip slip is supposed to be cut up + taped to the file cards - you will also take notes from each day's trip on the cards
- * handlens
- * and finally - a pack in which to carry all this stuff, along with the stuff you were supposed to bring from home.

③ * You'll also get a copy of Basic Ecology, which is the book that we will base this environmental science course on. Take care of it because it must be returned at the end of the program. Everything else is yours to KEEP. You should bring everything with you every day.

After all this has been passed out we'll go outside and learn to use all your new equipment. With our Newton topographical maps + a compass we should be able to find lost pond.?

Monday July 8, 1974

The Environmental
Science Program
Welcomes You

Leader: Faye Bresler
(969-6967)

Welcome To:

Robin Dauwalter
Lawrence Fishman
Dean Fortune
Nancy Hoffman

General Info:

Each day you will
receive a trip slip for

① the next day. Trip slips
are to help you know
where you are going
and what equipment
will be needed.

Today you will receive:

lens
compass
thermometer
rock hammer
viab
Boston quadrangle map
notebook rings and
cards

Book: Basic Ecology
Field pack

(most of this equipment

is yours to keep) ②

Your ~~kit~~ field kit, be-
sides including the above
equipment, must have
the personal gear
which asked to pro-
vide in the acceptance
letter.

You are required to
bring your field kit
every day.

TRIP SLIP #1

PAGE 1

LEADER: STU ROTHMAN

SITE: LOCAL AREA

TIME: 9-2

GROUP:

ESTHER ERlich 332-4551

RICHARD GOREN 969-5258

LEE MARCUS 969-2695

BEN LEVITAN 244-9046

OBJECTIVES

3

① MEET THE STAFF, AND
YOUR FELLOW PARTICIPANTS

② LEARN TO USE YOUR
EQUIPMENT

A. UNDERSTAND YOUR
MAP - SYMBOLS,
CONTOUR LINES

B. COMPASS - READINGS,
DELLINATION
TRIANGULATION

③ LEARN SOME ENVIRON-
MENTAL VOCABULARY TERMS

A. ECOLOGY

B. ENVIRONMENT

C. ORGANISMS

D. ECOSYSTEM

GENERAL INFORMATION

2

① YOU WILL PUT EACH
DAYS TRIP SLIP IN
YOUR NOTEBOOK.

② YOU WILL RECEIVE:

A. FIELD BAG

B. COMPASS

C. LENS

D. THERMOMETER

E. ROCKHAMMER

F. VIALS

G. BOSTON QUADRANGLE

H. NOTEBOOK RINGS, CARDS

I. TEXT

Trip #1 7/8/74
ANN 527-4687
first day: orientation
site: Dedham Marsh

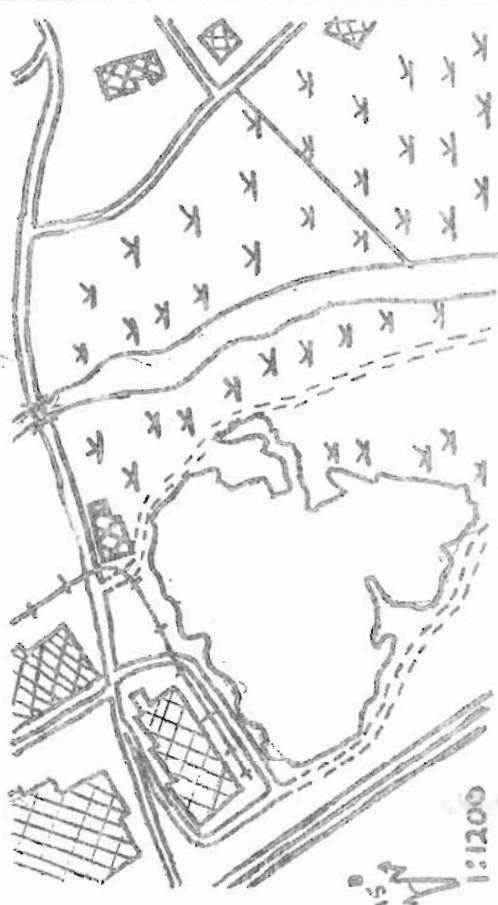
Equipment

hiking boots, compass,
field pack and equip-
ment (to be distribut-
ed on the first day),
extra boot laces, first
aid kit, insect repellent
a shoe box for storage,
a plastic medicine
dropper, a road map
of New Eng., a street
map of Newton, a few

cont. (3)
forest habitat
7) discover pond
succession

Questions

- 1) what would you do if you were lost, and all you have are a map and compass?
- 2) how does one convert a centigrade reading to fahrenheit?
- 3) how does one identify poison ivy?



cont. (2)
pencils, a small
pocket knife, a bag
lunch for each day

Objectives

- 1) learn how to walk
- 2) learn how to use your equipment
- 3) learn how to read a map and use a compass
- 4) identify poison ivy
- 5) experience leading the group
- 6) be introduced to

- (4)
- 4) explain the presence or in some cases the absence of dense ground cover
 - 5) the marsh and pond environs are different; but they were once similar, how is this so?
 - 6) what is pond succession?
 - 7) is it a purely a natural process?

Key

- == paved road
- dirt road
- === highway
- ▣ a building
- a body of H₂O
- x marsh area

tripslip #1
July 8, 1974. 9 AM - 2 PM
Phone, 969-6074
N.S. and environs

Welcome to Environmental Science - 1974! Believe it or not, this is our eighth year.

GROUP FOR TODAY:

Deborah Klugerman
Christopher Knight
Peter Moment
Elisabeth Ochs
David Paradise

Your text for this program is Basic Ecology by Buchsbaum.

OBJECTIVES for first day:

- 1) meet staff and fellow participants
- 2) receive and mark all equipment
- 3) learn to use equipment
- 4) be introduced to the data card system

page 2

(OBJECTIVES, cont.)

- 5) define some ecological terms
- 6) investigate the marsh near NSHS
- 7) learn map orientation and triangulation
- 8) hold a question-and-answer session about the course
- 9) select your groups for the first week

The tripslip is a sheet you will receive the day before every activity. It is essential that you read the tripslip in full before coming on the trip. The tripslip will tell you the date and time, the site, the people in your group and leader's phone number, what to wear, what to bring, what to read, what will be attempted, and any special rules to be observed. It will usually

page 3

include some questions for you to think about. You will NOT be allowed to participate if you show up without your tripslip in your notebook OR if you lack equipment listed on the tripslip.

Your kit in full is to be brought with you on every trip unless the leader tells you that certain items will not be needed. You will receive:

- field bag
- compass
- lens
- thermometer
- rockhammer
- vials
- Boston quadrangle
- notebook rings & cards
- text
- handout readings

You are responsible for maintaining your kit in

page 4

good condition while you are in this program. Lost or broken items must be replaced by you. You are also responsible for any books, tools, or field tests you sign out from a staff member or the library

MAP & COMPASS ACTIVITIES

- 1) take out your Newton topo map. Can you find your house on it? your junior high? Newton South? Crystal Lake? the MBTA tracks?
- 2) When was the map made? Has Newton changed much since then?
- 3) The light-brown curves are called contours. What can you determine from them? How high above sea level is your house?
- 4) Open up your lensatic compass. Find magnetic north. Look up the magnetic declination at the

page 5

(MAP & COMPASS, cont.) bottom left of your Boston quad. Now find true north. Why is there a difference? What is the difference in degrees? There is a third "north", the direction of the star Polaris. Which of these "norths" is the one on the map? How are they related? Why do we use all three?

5) Walk 10 paces on a 30 degree bearing east of north. Walk 10 paces due west. Walk 10 paces 150 degrees east of north (This is really south-easterly). Where are you now? Where should you be? What geometric figure have you traced out?

6) Orient your map by finding true north and lining one side of the map up with it. Now look for an object on the

page 6

(MAP & COMPASS, cont.) horizon. How many degrees from North is it? Does this measure correspond to the angle on the map?

7) TRIANGULATION

Pretend you are lost! You do not know your own location on the map. You can see the summits of two distant hills which are on the map. A method called triangulation can tell you where you are. Using the degree marks on your compass site each hill and write down the bearings. Draw lines extending along these bearings from each hill. Where the lines cross is your location.

(refer to diagram, p. 7) Suppose hill #1 (if there are no hills you can use buildings, highway intersections, ponds) is 10 degrees west of north.

Draw line #1. Hill #2 is 70 degrees north of east (corresponds to the 70 degree mark on the compass). Draw line #2. Your position is at the intersection. You are no longer lost!



Practice this technique on objects you can see from the NSHS playground. Find Newton South on the map and draw it in. (It was not built in 1956.)

QUESTIONS for the marsh

- 1) Who lives here?
- 2) How have the organisms adapted to the conditions of the marsh?
- 3) What would become of the organisms if the marsh dried up or was filled in? How could some of them get to another marsh? Where is the nearest one?
- 4) What visitors does the marsh have? (animals which don't live here but come to feed or nest)
- 5) Try to fill in these niches of the marsh community, by observation or postulation:
 - producers?
 - key-industry animals?
 - other herbivores?
 - carnivores?

READINGS

Most trip slips will contain a short reading assignment. These readings are recommended as background for the investigation ahead. They will also help you to ask good questions when you reach the site. Tonight you should do the readings on your July 9 fieldtrip. If you have the time you might start the first chapter of Basic Ecology (pp. 1 - 19). This chapter contains lots of analogies which seem pretty far-fetched, but it gives you a good idea of the subtle interrelationships ecologists study. Your reading in this course is entirely independent. No one will check up on you. Your own interest will dictate how much you will learn.

ECOLOGY

Ecology is literally "the study of the home." It is the science which explores the interrelationships of all living things. The ecology movement became a fad in 1970 when people began protesting the damage which pollution was causing - damage which is perhaps irreparable. But ecology is more than the study of pollution. It is perhaps the most complex and least understood of all the sciences since it embraces so much. Today we will discuss many terms used in ecology and try to think of examples of them.

(QUESTION #5, cont.)

- parasites?
 - scavengers?
 - decomposers?
- 6) How could you verify your answers to #5?
 - 7) Is the ecotone sharply defined? (an ecotone is the transition zone between different biomes)
 - When did you cross it?
 - Why can't some of the inhabitants cross it? (i.e.: what change of conditions limit them? temperature? water? food supply? physical barriers ???)

An Environmentalist's Rule

"Leave only footprints;
Take only memories."

Leave every natural area as close as possible to how you found it. Do not litter. Avoid trampling. Do not defoliate. You are now becoming an environmentalist so, by all means, ACT LIKE ONE!

Tripslip #1
Leader: Scott 244-3632
Date: July 8, 1974
Site: Newton South and
Environs

Group:

Marion Kirshen
Sheila Stanton
Peter Swartz
Alex Wajsfelner
Philip Walsh

Objectives:

- 1/ To review map and
compass orientation
- 2/ To meet the staff
- 3/ To review the en-
vironmental tools of
the trade.
- 4/ To choose the trips
for the next week

Equipment brought today:

- 1/ XX Hiking boots
- 2/ Extra pr. boot laces
- 3/ insect repellent
(stick best)

page 2

- 4/ light weight rain
coat (vynal)
- 5/ Small first aid kit
- 6/ shoe box
- 7/ road map of New Engl.
- 8/ several pencils
- 9/ plastic medicine
dropper
- 10/ bag lunch
- 11/ small pocket knife

Equipment to be picked up:

- 1/ small pack
- 2/ vials
- 3/ magn. lens
- 4/ ruler
- 5/ rock hammer (optional)
- 6/ compass
- 7/ maps

Paste, staple, or tape this trip slip into your notebook.

Trip slip #1

Date: July 8, 1974
Leaders: Scott Saroff
244-3632
Time: 9am-2pm
Site: Local; NSHS & Environs
Group:
Marion Kirshen
Sheila Stanton
Peter Swartz
Alexander Wejsfelner
Philip Walsh

General Note:

Howdy! Welcome to Environmental Science-1974. This is the first day of our 20-day calendar. We hope that you will learn and enjoy the elements of the program. If you have any difficulties, please feel free to get help from me or any other staff member. Believe it or not, this is our eighth year.

What is a trip slip? This

page 2
sheet is a trip slip. It tells you the whats, wheres and hows of each day. We suggest that you paste, staple, or tape these pages onto the 3X5 file cards. These informative sheets, as well as field data will supply you with a log book of the month.

Objectives for today:

- To meet the staff and fellow students.
- Check your brought-from-home equipment.
- Mark and organize your kit.
- Discuss and learn some ecological terms.
- Review and practice some orienteering skills.
- Select your trips for the first week.

Your kit is a bag or environmental study tools designed to help make you understand

Page 3

more about the delicate balance of living and non-living things in nature. The following is a list of equipment we insisted you bring from home:

- 1/ Hiking boots (should be waterproofed).
- 2/ Extra pair of boot laces
- 3/ Insect repellent (stick kind is the best).
- 4/ Vinyl raincoat (light-weight).
- 5/ Small first-aid kit
- 6/ Shoe box
- 7/ Medicine dropper (for picking up those hard to pick up items).
- 8/ few plastic baggies
- 9/ road map of New England
- 10/ Pencils
- 11/ Most important-your eating supply-your lunch.

Today, we'll be handing out the following equipment. Bring them with you everyday including the previous list, except

when asked not to:

1. Field pack
2. Canteen and Belt
3. Basic Ecology (give back at end of program)
4. Hand lens on a cord
5. Topo map
6. 10 Vials
7. Compass
8. Rock hammer (optional)
9. *Thermometer
10. Various Xerox sheets
11. Rings and 3X5 cards for notebook.

Notes for a confused-looking thermometer: These thermometers are measured in Celsius or Centigrade ($^{\circ}\text{C}$). Other thermometers are sometimes measured in Fahrenheit ($^{\circ}\text{F}$). Our studies will be conducted in ($^{\circ}\text{C}$). If, however, you wish to convert one to the other, the formulas are:

- a/ $^{\circ}\text{C} = 5/9(^{\circ}\text{F} - 32)$
- b/ $^{\circ}\text{F} = 9/5^{\circ}\text{C} + 32$

Page 5

c/ Stu Freudberg's double it ($^{\circ}\text{C}$) and add 25. (A rough approximation from 0°C to 100°C).

Map and Compass Activities:

1. Take out your topo map. Can you locate your street & your house? Can you locate the area of NSHS (not as printed on map)? Mark "X". Now, how about your junior high school.
2. What type of map is it called?
3. When was this map made?
4. What are those funny-looking symbols that lie on the map.
5. Take out your compass. Locate Magnetic North. Locate true north. What is the difference? How do you correct your compass for such things? (Turn the bezel 5 clicks to the left (15°)).
6. Now let's try to locate the direction and sites of

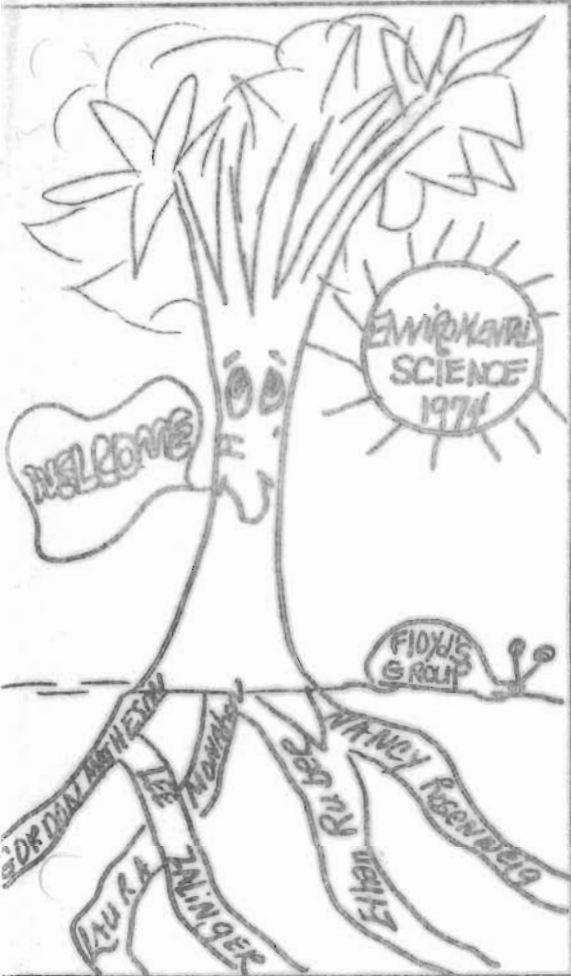
Page 6
the local biomes we will be visiting this month.

Reading Assignments:

The text we use for the course of the month is Basic Ecology by Ralph and Mildred Buchsbaum. Each student will get a copy on loan for the entire month. On each trip slip "reading assignments" will be posted. These are entirely optional. We, however, suggest that the readings be done. They will help tie certain concepts together, while adding to the knowledge you gain this summer. Other reading assignments will require books from the library. Look over B.E. now and start reading the first chapter. (pp. 1-19). You will find this primary reading most helpful.

GOOD LUCK!!!

These are "TRIP SLIPS"



* Our first day together -

Objectives: For us to get to know one another;

You'll receive your equipment;

We'll work with our compasses;

You'll receive more details about this program;

You'll get a chance to choose your first weeks group and trips;

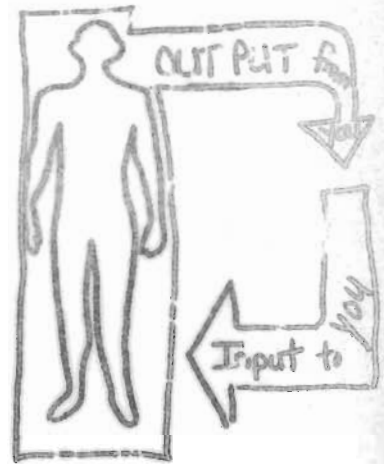
We'll have lots of time to talk and I'll answer your questions.



You get to keep this!

July 8, 1974
"MONDAY" 9-2^{PM}

ENVIRONMENTAL
SCIENCE
1974



you

HOPE YOU
ENJOY
the program!

A Drum Roll Please...

This is the first trip slip hot off the presses of your leader Alex Laufer (sir)

usual info:

Date: ~~July 5, 1988~~ ^{Tuesday} July 5, 1988 Leader: Me
 Location: Solomon Schechter Environs Phone no.: 919-480-4111
 Necessary Equipments: Whatever you already brought.
 Time: 9-2

First an Introduction: ~~Again~~ Again this is a Trip Slip! For those of you unfamiliar with this unique piece of paper, it will basically tell you what you are doing the next day at Envi-Sci.

Today is the first day of Envi-Sci 88
 Your Group today will consist of Me & all of you. In other words:

Gail Stanton
 Jon Crockett
 Caren Corbett
 Phulmalati McPherson
 Karl Valkert
 Michelle D'Agostino

Date: July 8, 1974 (Day 1)
Place: In & around NSHS
Time: 9-2
Group: Dick's - WELCOME TO
Robert Peters
Arcy Polan
Peter Paradise
Jeffrey Silverman
Miranda Turin

THIS IS A TRIP SLIP: A trip slip is fixed onto a 3x5 card. The 3x5 card has holes in it so that it can be held together with others to make a personal notebook for each of you. Some have maps on them and others have data blanks - others are blank for you to write a 'journal' as you wish.

A TRIP SLIP TELLS YOU - AT A GLANCE:
a. things to bring
b. times
c. purposes
d. readings

TO GO ON THE DAYS TRIP - YOU MUST HAVE FIXED YOUR SLIPS

INTO YOUR 'JOURNAL' BOOK.

Today we have a lot to do: We'll check that you have brought along those things that were listed in your acceptance letter. We'll give to you your equipment that you must have each day, unless you've been told in the trip slip for that day - not to bring such-and-such equipment.

We ask you to check your- How to... and Have you been to... lists. This check will give you some idea of the many things you can learn to do and the many places (as seen on a map) and the many niches (an ecological term) you may visit during the twenty days of the program.

We'll ask you to complete the Official Choice Sheet for this week.

3
Just for the record: since you'll cover a lot of ground each day - and since there are only 20 days - you really are expected to -make it-each and every day! Enough said?

Well-here we are. You've 'learned' all about your equipment and now it's time to put some of your knowledge to use.

You live in the City of Newton-

How many others live in it?
How big is it?
How many ponds are in it?
How many streams?
Are there any uplands?
Are there any marshes?
Do we have any major roads through Newton? -which directions?
Do we have any sections of town that are less or more crowded with people than others?

4
Do you know of any city agencies (organizations that are paid for out of tax money) that look after your city's resources? What is a resource? Are resources to be used? conserved? - What is conserve? Does conserve have anything to do with conservation? Does conservation have anything to do with you? Your family - your future? Our future?

We're going to go looking for a local stream - we're going to try to find out its ~~quality~~ quality. What's quality - how do you find out about a stream's quality? What can we do to find out more about it? Where does it come from - where does it go? Does that tell you anything about it? What enters it as it goes? Where does it go?

THROW

EXCESS

PAPER

INTO

RECYCLE

Box

in

Room 5108

near the Telephone

The telephone extensions

969-9810

X 321

1 Welcome
to

The Environmental
Science Program

Leader: Faye Bresler

Date: 7/7/75

Site: NSHS & marsh

Group: Alex Karayas
James Carpenter

Erol Morey

Michael Wilson

Mary Schacter

Objectives: To get to
know everyone in our
group, and to hand
out the equipment.

2 You will receive:

- * compass
- * thermometer
- * vials for sample
collecting
- * street map of Newton
- * topographical map
of Newton
- * hand lens
- * several handouts
- * file card notebook
- * canteen and belt
- * a field pack to
carry everything in.

You will also receive a
rockhammer which
will be signed out
and returned at the
end of the summer

Place all
extra
paper in
the
recycle
box below
the window
in the office

3 After the equip-
ment has been passed
out we will go out-
side and learn how
to use it.

We will locate
the NSHS marsh by
map (how difficult!) and
other features on the
topographical map.

I have an older
map (around 1950)
which we can compare
to your 1974 maps.
We can then see how
different ponds have

4 decreased in size,
and how marshland
has been filled in
to provide space for
development.

After using the maps
we'll saunter over
to the marsh and
see what there is
to see. One plant
which characterizes a
marsh is purple
loosestrife that in-
vaded the U.S. (origi-
nally from Europe) and
now covers or is found
on 60% of the land.

GREETINGS to

Stephen Buck
Jon Jackson
Christopher Miller
Benjamin Schwalb

Mon. July 7, 1975

Day 1

Erica's group

This is a trip slip.
Every day you will
receive one + you
should cut up the

③ pick trips for
the first week of
the program

④ generally get
to know each
other

We may also get
a chance to fool
around in the
swamp near
South + see what
we can find.



This way to
the water.

(3)

boxes + paste them
on file cards to keep
a record of what you
have done. The file
cards can be put
together with loose-
leaf rings for easy
note-taking.

Today we are
going to:

① check out the
stuff you brought
from home which
I refuse to list
'cuz it's too hot.

② get your kit
for the summer
and learn how
to use it (including
the maps)

(2)

This summer we
will be using a
book called
BASIC ECOLOGY
so we'll take a
look at that and
the other selections
in our interesting
& informative
ESP library.

Useful Trivia:

Conversion
formulae for
your thermometers:

$$^{\circ}\text{C} = \left(\frac{5}{9} \cdot ^{\circ}\text{F}\right) - 32$$

$$^{\circ}\text{F} = \left(\frac{9}{5} \cdot ^{\circ}\text{C}\right) + 32$$

Have a Nice Day!

(4)

Trip Slip #1 July 6, 1976

WELCOME to Environmental Science--1976. Believe it or not; this is ESP's 10th Birthday.

Scott 244-3632
 Time: 9AM--2PM
 Site: NSHS & Environs
 Group for today:
 Betsy Hames
 David Eagle
 Gregory Walsh

General Note:
 Howday! This is the first day of our 19-day calendar. We hope that you will learn and enjoy the elements of the program. If you have any difficulties, let the staff know.

- e/ Review and practice some orienteering skills; f/ Select your trip for the first week.

Your kit is a bag of environmental study tools designed to help you understand more about the delicate balance of living and nonliving things in nature. The following is a list of equipment we ask you to bring from home:

- 1/ Hiking boots (should be waterproofed);
- 2/ Extra pair of boot laces
- 3/ Insect repellent (stick is the best);
- 4/ Vinyl raincoat
- 5/ Small first aid kit
- 6/ Shoe box

Notes for a confusing Thermometer:

These thermometers are measured in Celsius (Centigrade °C). Other thermometers are sometimes measured in Fahrenheit (°F). Our studies will be conducted in Celsius. The conversion is this:
 $^{\circ}C = \frac{5}{9} \times (^{\circ}F - 32)$
 $^{\circ}F = \frac{9}{5} \times ^{\circ}C + 32$

Map & Compass Activity

- 1/ Take out your map and check the date.
- 2/ Find North. What is the diff between True

What is a Trip Slip?

This sheet is a trip slip. It tells you the what, where, and how of each trip. We suggest that you paste, staple, or tape these pages onto the 3 X 5 file cards. These informative sheets, as well as the field data, will give you a good log of our month's experience.

- Objectives for today:
- a/ Teach the staff and students;
 - b/ Check all the equipment;
 - c/ Mark and organize your kit;
 - d/ Discuss and learn some ecological concepts.

- 7/ Pencils
 - 8/ Road Map of N. E.
 - 9/ Small pocket knife
 - 10/ Small pack
 - 11/ Bag lunch
- Canteen
- Today, we'll be having out the following equipment. Bring them with you everyday, including the previous list, except when asked not to:

- 12/ Basic Ecology *
 - 13/ Notebook & Ring
 - 14/ Magnifying lens
 - 15/ Vials
 - 16/ Ruler
 - 17/ Compass
 - 18/ Thermometer
 - 19/ Rock hammer *
- * Note given back

North and Magnetic North
 Declination of the map?

- 4/ Find your house. Circle it. What is its longitude? Latitude?
- 5/ Find NSHS. Find the MBTA tracks. How far is NSHS from NERS? What is the map scale? How far is your house from NSHS? Direct? By Bicycle?

Symbols:

Blue Color =
 Green Color =
 White Color =
 Pink Color =

For all
 in the past
 same equipment
 of this has been
 we will take a
 hike to Hammond
 in Chestnut Hill



a trip slip - fill
 slip tells me what you
 need to know for the
 following day's activ-
 ity. Normally, the
 heading on the trip
 slip would look like
 this:

Trip Slip #1
 date: Hammond Pond
 leader: Eowis Wells
 303-5976
 date: July 7, 1975
 time: 9am-3pm

It is suggested that
 you cut off the pages
 of the trip slip, and
 then tape, glue, or

use a good sticky
 substance and date
 stamping system to
 be runner

1. Instruction is:
 your field pack
 gear, and lunch
 your hiking boots
 distributed for Hike
 mail:
 to develop basic
 and compass skills
 to use some of the
 equipment you
 used today
 to learn to walk
 hiking; if you will
 hiking many miles
 summer, much of it
 heavy packs and
 equipment. Therefore
 proper posture as
 as lifting your

5. to get off the ground is
 (in our tank).
4. to have a question
 and answer session about
 the course
3. to have some fun and
 to get to know one another.

Specific:
 1. to examine Hammond
 Pond and the surrounding
 woods.
 2. to discuss pond
 succession and health
 (is Hammond Pond dying?
 What is a "dying" pond?)
 3. to identify common
 flora and fauna (plants
 and animals)

6. to discuss how we
 have influenced the
 condition of the pond
7. to learn the
 ways we can
 the health and
 condition of a pond.

Everyone today to
 about ecology. Can
 accurately define
 words? Today we will
 try to come up with
 good use of a defini-
 tion of this important
 concept

Mon. July 7

1.

Leader: Dan Picard

Welcome to Environmental Science 1975.

What is an environment? How can we study one? This program will help to give you a better understanding of the world in which you live, what makes up that world, what part is influenced by man, and where you stand in relation to the world. We will explore many areas, mostly around here, to gain these understandings.

This is a tripslip. You

3.
a magnifying lens, some vials, a compass, a thermometer, and some maps.

Use this kit on all your trips. You will also learn how to use tests for water quality. The library is complete with books we will use on trips, and the book "Basic Ecology," which should be used as preparatory reading. There are enough copies for everyone to read about what the tripslips describe.

The program is

2.

will be getting a tripslip for every trip you take during this program. Cut them up and put them in your notebook, so you can refer to them on the trips. ~~Read~~ Read them carefully before you go on the trip. The tripslips contain information about the area you will visit, tell you what to bring, and orient you with the objectives of the trip.

This morning you should receive a field kit containing a pack, a canteen, a rock hammer,

4.
informal and non-structured. It is up to you if you learn a lot, or just go on trips. I hope you enjoy this program and learn a lot.

TRIP SLIP #1

PAGE 1

LEADER: STU ROTHMAN

SITE: LOCAL AREA

TIME: 9-2

GROUP:

ESTHER ERLICH 332-4551

RICHARD GOREN 969-5258

LEE MARCUS 969-2695

BEN LEVITAN 244-9046

OBJECTIVES

3

- ① MEET THE STAFF, AND YOUR FELLOW PARTICIPANTS
- ② LEARN TO USE YOUR EQUIPMENT
 - A. UNDERSTAND YOUR MAP - SYMBOLS, CONTOUR LINES
 - B. COMPASS - READINGS, DECLINATION TRIANGULATION
- ③ LEARN SOME ENVIRONMENTAL VOCABULARY TERMS
 - A. ECOLOGY
 - B. ENVIRONMENT
 - C. ORGANISMS
 - D. ECOSYSTEM

GENERAL INFORMATION

2

- ① YOU WILL PUT EACH DAY'S TRIP SLIP IN YOUR NOTEBOOK.
- ② YOU WILL RECEIVE:
 - A. FIELD BAG
 - B. COMPASS
 - C. LENS
 - D. THERMOMETER
 - E. ROCKHAMMER
 - F. VIALS
 - G. BOSTON QUADRANGLE
 - H. NOTEBOOK RINGS, CARDS
 - I. TEXT

tripslip #1

July 8, 1974, 9 AM - 2 PM
Dave, 969-6074
NSHS and environs

Welcome to Environmental
Science - 1974! Believe it
or not, this is our eighth
year.

GROUP FOR TODAY:

Deborah Klugerman
Christopher Knight
Peter Moment
Elisabeth Ochs
David Paradise

Your text for this program
is Basic Ecology by Buchs-
baum.

OBJECTIVES for first day:

- 1) meet staff and fellow participants
- 2) receive and mark all equipment
- 3) learn to use equipment
- 4) be introduced to the data card system

page 2

(OBJECTIVES, cont.)

- 5) define some ecological terms
- 6) investigate the marsh near NSHS
- 7) learn map orientation and triangulation
- 8) hold a question-and-answer session about the course
- 9) select your groups for the first week

The tripslip is a sheet you will receive the day before every activity. It is essential that you read the tripslip in full before coming on the trip. The tripslip will tell you the date and time, the site, the people in your group and leader's phone number, what to wear, what to bring, what to read, what will be attempted, and any special rules to be observed. It will usually

page 3

include some questions for you to think about. You will NOT be allowed to participate if you show up without your tripslip in your notebook OR if you lack equipment listed on the tripslip.

Your kit in full is to be brought with you on every trip unless the leader tells you that certain items will not be needed. You will receive:

- field bag
- compass
- lens
- thermometer
- rockhammer
- vials
- Boston quadrangle
- notebook rings & cards
- text
- handout readings

You are responsible for maintaining your kit in

page 4

good condition while you are in this program. Lost or broken items must be replaced by you. You are also responsible for any books, tools, or field tests you sign out from a staff member or the library

MAP & COMPASS ACTIVITIES

- 1) take out your Newton topo map. Can you find your house on it? your junior high? Newton South? Crystal Lake? the MBTA tracks?
- 2) When was the map made? Has Newton changed much since then?
- 3) The light-brown curves are called contours. What can you determine from them? How high above sea level is your house?
- 4) Open up your lensatic compass. Find magnetic north. Look up the magnetic declination at the

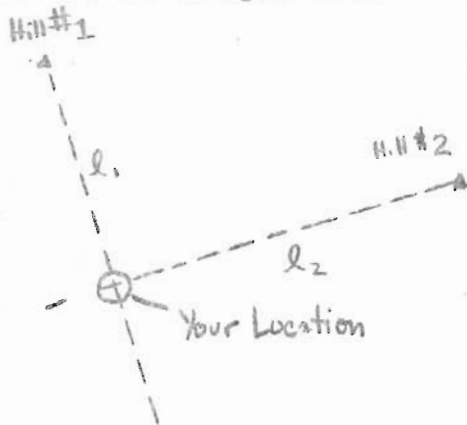
page 5

(MAP & COMPASS, cont.)
bottom left of your Boston quad. Now find true north. Why is there a difference? What is the difference in degrees? There is a third "north", the direction of the star Polaris. Which of these "norths" is the one on the map? How are they related? Why do we use all three?
5) Walk 10 paces on a 30 degree bearing east of north. Walk 10 paces due west. Walk 10 paces 150 degrees east of north (This is really south-easterly). Where are you now? Where should you be? What geometric figure have you traced out?
6) Orient your map by finding true north and lining one side of the map up with it. Now look for an object on the

page 6

(MAP & COMPASS, cont.)
horizon. How many degrees from North is it? Does this measure correspond to the angle on the map?
7) TRIANGULATION
Pretend you are lost! You do not know your own location on the map. You can see the summits of two distant hills which are on the map. A method called triangulation can tell you where you are. Using the degree marks on your compass site each hill and write down the bearings. Draw lines extending along these bearings from each hill. Where the lines cross is your location.
(refer to diagram, p. 7)
Suppose hill #1 (if there are no hills you can use buildings, highway intersections, ponds) is 10 degrees west of north.

Draw line #1. Hill #2 is 20 degrees north of east (corresponds to the 70 degree mark on the compass) Draw line #2. Your position is at the intersection. You are no longer lost!



Practice this technique on objects you can see from the NSHS playground. Find Newton South on the map and draw it in. (It was not built in 1956.)

ECOLOGY

Ecology is literally "the study of the home." It is the science which explores the interrelationships of all living things. The ecology movement became a fad in 1970 when people began protesting the damage which pollution was causing - damage which is perhaps irreparable. But ecology is more than the study of pollution. It is perhaps the most complex and least understood of all the sciences since it embraces so much. Today we will discuss many terms used in ecology and try to think of examples of them.

QUESTIONS for the marsh

- 1) Who lives here?
- 2) How have the organisms adapted to the conditions of the marsh?
- 3) What would become of the organisms if the marsh dried up or was filled in? How could some of them get to another marsh? Where is the nearest one?
- 4) What visitors does the marsh have? (animals which don't live here but come to feed or nest)
- 5) Try to fill in these niches of the marsh community, by observation or postulation:
 - producers?
 - key-industry animals?
 - other herbivores?
 - carnivores?

(QUESTION #5, cont.)

parasites?

scavengers?

decomposers?

- 6) How could you verify your answers to #5?
- 7) Is the ecotone sharply defined? (an ecotone is the transition zone between different biomes)
 - When did you cross it?
 - Why can't some of the inhabitants cross it? (i.e.: what change of conditions limit them? temperature? water? food supply? physical barriers ???)

READINGS

Most trip slips will contain a short reading assignment. These readings are recommended as background for the investigation ahead. They will also help you to ask good questions when you reach the site. Tonight you should do the readings on your July 9 fieldtrip. If you have the time you might start the first chapter of Basic Ecology (pp. 1 - 19). This chapter contains lots of analogies which seem pretty far-fetched, but it gives you a good idea of the subtle interrelationships ecologists study. Your reading in this course is entirely independent. No one will check up on you. Your own interest will dictate how much you will learn.

An Environmentalist's Rule

"Leave only footprints;
Take only memories."

Leave every natural area as close as possible to how you found it. Do not litter. Avoid trampling. Do not defoliate. You are now becoming an environmentalist so, by all means, ACT LIKE ONE!

DATE: JULY 7, 1975

TIME: 9-2

LEADER: STU ROTHMAN
969-3638

SITE: NEWTON SOUTH FOR
EQUIPMENT, THEN
HIKE TO LOST POND

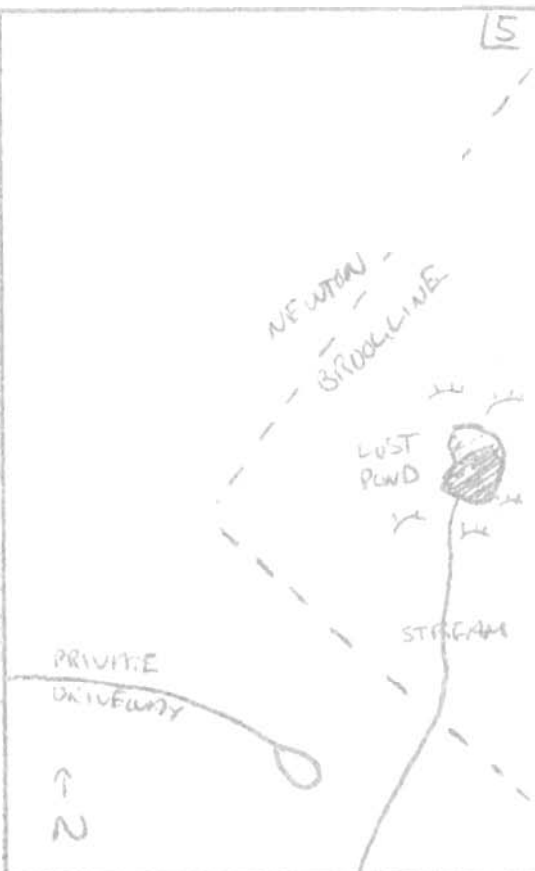
This is a trip slip.
Every day before leaving
for your hike, these
pages must be glued
onto 3"x5" file cards.
The cards will be
attached by rings to
form your notebook.

WE WILL BE HIKING
TO LOST POND.

BRING: COMPLETE KIT,
LUNCH, CANTEEN, NON-
FLOWERING PLANT BOOK,
POND LIFE BOOK, TREE
GUIDE (BOOKS FROM LIBRARY),
DIPNET

OBJECTIVES:

- 1) CHEMICAL ANALYSIS
OF THE POND AND SOIL
- 2) TO FAMILIARIZE YOUR-
SELVES WITH A MAP
AND COMPASS



TRIP SLIPS TELL YOU:

- i) things to bring
- ii) times
- iii) purposes
- iv) suggested readings

Today we will check
to see that you have
brought everything
required. Also you
will receive many
important things that
you will use throughout
the program.

ANIMAL AND PLANT
IDENTIFICATION

QUESTIONS

- 1) WHAT FACTORS ARE
CONTRIBUTING TO THE
POND'S SUCCESSION?
- 2) WHAT DID THE POND
LOOK LIKE 10 YEARS AGO?
- 3) ARE THERE ANY INGOING
OR OUT GOING STREAMS TO
THE POND?

WELCOME

to

The Environmental Science Program

1st day
Leader: JON

The first thing we are going to do is an equipment check. The equipment we asked you to bring is for your comfort and safety, so I hope you have it. You will have to bring it every day of the program.

The second thing we are going to do is orient a map, the first step in orienteering. What is "orienteering", you may ask. It is the process of using a map and compass to find where you are and to decide upon a route to your destination.

Lastly, we will take part in a scavenger hunt in the South field.



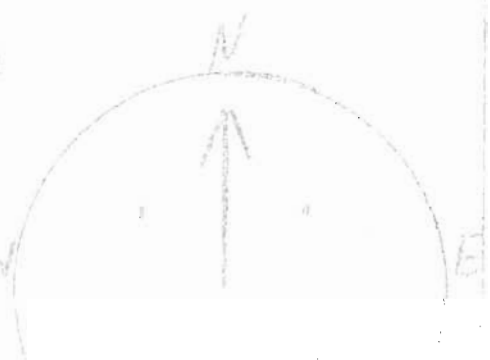
orienting
map



Go up the stairs to the top.
 Go to the post with no ball on top and take degree readings for the three towers. What are they?
 Go to 230 to rock outcropping. What kind of rock is it?
 Climb the rock and find the moss and grass pattern from the upright stick. 112 until a tree blocks your way. What kind of tree is it?
 Turn to 290 and go to the water. What else is here?
 Turn to 65 and walk 50 steps. The pile in front of you is a) bird droppings b) placed by man c) an ant hill.
 Go 20 to the tree.
 Go to the oldest living tree in the area. (older tracker)
 Step one step to your right around to the left.
 Go down to the water and go to the caves. What do you think caused them?
 Go to the stone wall. Any other ideas on its function? Why isn't the water moving?
 Follow the trail along the water and then up the hill.
 Go around the tree to the right and walk 140 to the exposed rock. Take a look around. What do you think caused this "island"?
 Go back to the bridge.
 Go across it and go 140 over the tree and to the "Siamese" twin trees.
 Go 190 to the Roxbury conglomerate.
 Go back down to the water.
 Go along the path southerly.
 Go between the roots of trees and over the trunks and go to the concrete thingy.
 Take a directional reading on

Go to the 230
 Take the path bearing 340.
 Follow the path under the downed trees. What kind?
 Continue until there is a steep drop, a lot of noise, and a tree and rock at 250. Is the tree holding up the rock or vice-versa?
 Follow the path to the water. Why did the tree in the water fall down?
 Go 200 to tree rock. What kind of rock?
 Go 70 to the edge. Why is/was the stone wall put there?
 Go back to the path.
 Follow the path until you

the "moon" from the 2 twigs. What is it?
 Go up the hill, over the bridge and through the woods to Grandmother's house... I mean where the bikes are.
 REMEMBER, this is a timed exercise so move along.
 GOOD LUCK!!!



Go to the 230
 Go to the post at 100 past the fallen log and down to the bridge.
 Cross the bridge.
 Follow the path due east. Turn left and go up the hill.
 Take the 1st right and go down to the water. If the water is flowing towards the bridge you are east. If it isn't they turn around and go back up to the path.
 Go along the north path until it climbs uphill.
 Go up the hill and climb over the fallen tree.
 Go 190 to the rock.
 Go to the path on your right and follow it

ENVIRONMENTAL SCIENCE June 30, 1986

HI! Welcome to ENVI-SCI 86!

This is the first day of what will be a very exciting month.

WELCOME

First!: Everyday on our explorations you will need some general equipment. These are:

Over the ankle hiking boots, Water Bottle or Canteen, Day Pack, Pocket Knife (no deadly blades, please!), water proof Raingear, First Aid Kit, 9 1/2 x 6" Notebook & Pencils, Xtra Boot Laces and LUNCH!

Sometimes in ENVI-SCI we explore places that require special equipment. This info is provided on your trip slip. Every day you will get a trip slip describing that day's activities, points of interest and special details and equipment...

This is TODAY'S, Orientation Day's TRIP SLIP.

Today you need the regular equipment + the map & compass we will provide. These you will keep and they become part of your regular equipment. Today we will learn how to use them both and how they work together. Map & compass are important when working with nature as is the...

Field Guide



A field guide is a book we will use when we want to identify something. There are field guides on many different topics and today we will learn how to use one because we use them often.

Orienteering (Map & Compass) and Learning how to use the field guides are only two things we are going to do today.

In addition there are many more, too many to list on one trip slip. Today's Objectives:

- Map & Compass
- Field Guides
- Scavenger Hunt
- Get organized &
- Learn something new &

My Name is COLE STANTON
and if you have a ENVI-SCI
x 011-5957

11/1/86 ENVI

July 1, 1985

Bob White-964-5044

First Day Tripslip

9:00-2:00

Equipment Needed:

- 1 Over the ankle boots
- 2 day pack
- 3 Waterproof raingear
- 4 first-aid kit
- 5 Luzah(very important)
- 6 Canteen or H₂O bottle
- 7 pocket knife
- 8 notebook-9½X6" *X knife*
- 9 pencils/pens
- 10 Xtra boot laces

Good Morning Asy, Jennifer, and Ofir. I am what is known as a trip-slip. That is, I am an example of something you will receive every day you are in the Environmental Science Program. A trip-slip is written by one of the leaders and informs you, the student, of what kind of activity you will be participating in the next day. A tripslip will tell you where you will be going and what you will be doing there. It will also tell you what you need, your leader's name and phone number, and the

time of the trip. Please, please please read the tripslips you receive. The leaders spend a good deal of time on them and they don't do anybody any good if you don't read them. Also, please save your tripslips. Most tripslips will have interesting and informative pieces of knowledge in them which may be useful to you later in life if not right now. A tripslip fits very nicely into a 9X6 notebook.

Today is the 1st day of the Environmental Science Program. During the course of the day, Bob and the other leaders will orient you with the program, the area around Newton South, and some of your environment. We will also be participating in a contest to test your knowledge of map and compass work and of your environment. I hope the 3 of you know something because I'm not allowed to help. Sorry about that.

If you have any questions about anything at all please feel free to ask me or any of the other leaders. That's what we're here for. Also, I think this summer is going to be a lot of fun and I hope all of you do too so get ready, get set, learn.

Things to look for:

- Newton South High School
- The kidroom
- Marcos Roxbury Conglomerate
- Wendy
- A 4 leaf clover
- The Field

Objectives:

- Learn how to use a field guide.
- Learn how to use a compass
- Find the items asked of you
- Learn something new
- Have fun

Trip slip #1

Date: 5 July, 1983

Leader: Wendy Gross

965-9821

Time: 9am - 2pm

Site: NSHS and surrounding area

Group: Stephen Barnes

Sam Gottlieb

Julie Lehmann

Paul Shapiro

Greetings!

Welcome to the first day of the Environmental Science Program. Today we will discuss what we do in this program, we

Map and compass:

Today I'll be reviewing some basic skills with you. After this morning and throughout the program you'll be expected to figure out how to get to the places your group is going - also to lead your group at times. This is all part of functioning in a group, and in the mountains we'll be relying on your skills.

Do you know the difference between

will review

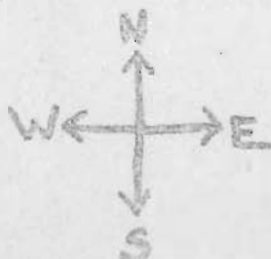
some basic map and compass skills, meet some of the people you'll be spending time with for the next few weeks, and I'll be checking out your equipment to make sure you will be properly prepared.

What is a trip slip?

This is your first trip slip. Each day when we return to Newton South, trip slips for the next day will be found in the folder of the

Magnetic North and true north?

How do you correct your compass for such things? (turn the bezel 5 clicks to the left (15°)) How can you orient your map without using a compass? What is declination and why does it vary from place to place?



leader leading that trip. A trip slip will inform you as to the:

date and time
leader
and objectives and places of the trip.
as you'll fill out choice sheets for trips a day or two beforehand. You'll be assigned to what ever trip has room for you. Everyone is certain to be given his or her first choice at least once or twice.

Field guides:

One of the most useful and exciting tools we'll be using; with a field guide one can identify plants, trees, mushrooms, flowers, and many other things we'll see. Today I'll tell you about signing these books out and how to use them.

Well, I'm looking forward to a great summer! Hope you are too!

ENVIRONMENTAL SCIENCE June 30, 1986

HI! Welcome to ENVI-SCI 86!

WELCOME

This is the first day of what will be a very exciting month.

First!: Everyday on our explorations you will need some general equipment. These are: Over the ankle hiking boots, Water Bottle or Canteen, Day Pack, Pocket Knife (no deadly blades, please!), Waterproof Raincoat, First Aid Kit, 9 1/2 x 6" Notebook & Pencils, Xtra Boot Laces and LUNCH!

Sometimes in ENVI-SCI we explore places that require special equipment. This info is provided on your trip slip. Every day you will get a trip slip describing that day's activities, points of interest and special details and equipment...

This is TODAY'S, Orientation Day's TRIP SLIP. Today you need the regular equipment + the map & compass we will provide. These you will keep and they become part of your regular equipment. Today we will learn how to use them both and how they work together. Map & compass are important when working with nature as is the...

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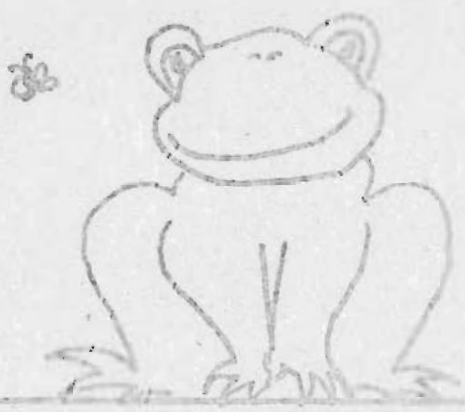
- Map & Compass
- Field Guides
- Scavenger Hunt
- Get organized &
- Learn something new &

My Name is COLE STANTON and if you have a ENVI-SCI

11 11 + 04-5957 NAME FINA

1. Hello Everyone!
 Today on your first day in envi Sci you have been put in Random groups just to get acquainted so today I am your leader my name is Lisa Bottomley
 527-7470 - if you ever have to reach me for something

4. trip slips it is also very useful to take notes in your notebook and on the trip slips.



7. a Compass
 We are going to walk out a Triangle to see if you can get back to where you started

360° 100
 320° 100
 240° 100

2. You may have noticed that this Info is written in some little squares well these can be very useful. What you will do is cut each square out and put it in your environmental note book these are called : TRIP SLIPS and

5. What we are going to do today on our orientation day is to Orientation you. That means it's going to be QUESTIONS.
 QUESTIONS
 QUESTIONS
 QUESTIONS
 that we want you to ASK about anything you want to know about

8. mapping is a skill
 ART SA like
 NAVIGATION
 Contour Lines on a mountain

Shows up like this on the map

 (so it's not a puzzle)

3. Will turn out to be a record of all of the things that you did or are going to do this summer in program, that is keep your

6. We will also do some MAPPING and get you acquainted with topographical maps and finding your self with

Notes:

