

2004

# ENVI-SCI SCAVENGER HUNT!



RULES: Find as many of the following items as possible, to earn the most points and win a special prize. Your leader(s) may NOT help you, except to give hints on the maps, compasses, and field guides. Do not pick living things (with the exception of berries and clovers). GOOD LUCK!

## Flowers

Mint (3 pts) \_\_\_\_\_

Pineapple Weed (2 pts) \_\_\_\_\_

Yarrow (2 pts) \_\_\_\_\_

Chickory (2 pts) \_\_\_\_\_

Purple Cow Vetch (2 pts) \_\_\_\_\_

Wood Sorrel (2 pts) \_\_\_\_\_

Purple Loosestrife (5 pts) \_\_\_\_\_

Indian Pipe (10 pts) \_\_\_\_\_

Pepper Weed (2 pts) \_\_\_\_\_

Aster (2 pts) \_\_\_\_\_

Dandelion (2 pts) \_\_\_\_\_

Curly Dock (2 pts) \_\_\_\_\_

Cattail (2 pts) \_\_\_\_\_

St. John's Wort (3 pts) \_\_\_\_\_

Milkweed (2 pts) \_\_\_\_\_

Deadly Nightshade (3 pts) \_\_\_\_\_

Poison Ivy (5 pts) \_\_\_\_\_

Moss (3 pts) \_\_\_\_\_

Day Lily (2 pts) \_\_\_\_\_

Queen Anne's Lace (2 pts) \_\_\_\_\_

## Trees

Silver Maple (2 pts) \_\_\_\_\_

Red Pine (5 pts) \_\_\_\_\_ Red Oak (5 pts) \_\_\_\_\_

White Pine (5 pts) \_\_\_\_\_ White Oak (5 pts) \_\_\_\_\_

Pin Oak (5 pts) \_\_\_\_\_ Birch (5 pts) \_\_\_\_\_

Quaking Aspen (5 pts) \_\_\_\_\_

Weeping Willow (5 pts) \_\_\_\_\_

Sugar Maple (5 pts) \_\_\_\_\_

Sassafras (2 pts for each type of leaf) \_\_\_\_\_

Tree of Heaven (5 pts) \_\_\_\_\_

Male + Female Sumac (2 pts each) \_\_\_\_\_

## Miscellaneous

Plantain (2 pts, 3 if you know what kind) \_\_\_\_\_

Bracken Fern (2 pts) \_\_\_\_\_

Boston Fern (3 pts) \_\_\_\_\_

Yew (2 pts) \_\_\_\_\_ Having all your equipment (10 pts each) \_\_\_\_\_

Altitude of Brawn Middle School above Sea level (10 pts) \_\_\_\_\_

Direction from Brawn Middle School to Newton South High School (15 pts) \_\_\_\_\_ degrees

# of Miles the Charles River flows through Newton (15 pts) \_\_\_\_\_

Cumulus Cloud (5 pts) \_\_\_\_\_

An "exotic" or "invasive species" (5 pts) \_\_\_\_\_

4 Leaf Clover (25 pts each) \_\_\_\_\_ Lichen (5 pts) \_\_\_\_\_

Feather (10 pts each) \_\_\_\_\_ Roxbury Conglomerate (5 pts) \_\_\_\_\_

Leaf Gall (10 pts each) \_\_\_\_\_ Frog or Toad (50 pts) \_\_\_\_\_

A fungi (5 pts) \_\_\_\_\_  (OVER)

# Welcome to the First Annual Envi. Sci.

## Scavenger Hunt !!

Rules: you're on your own -  
your leaders will help you with the  
guide books, show you how to use  
your compass and read the topo map

But that's it.

Also - only pick small quantities  
of plants etc.

Group \_\_\_\_\_

Total \_\_\_\_\_

Try to Find the Following:

- |  | Points |
|--|--------|
| a piece of Roxbury Conglomerate. (three points)                  | _____  |
| Sassafras leaves (2 points for each type - total of three)       | _____  |
| Pineapple weed (3 points for a flower - crush it and smell, ah!) | _____  |
| Raspberries (7 points <u>intact</u> )                            | _____  |
| Frog or Toad (15 points living <u>Keep them Wet</u> )            | _____  |
| Four leaf clover (50 points, the finder can keep it)             | _____  |
| an empty old coke can (5 points)                                 | _____  |
| Wood sorrel (2 points)   | _____  |
| a feather (10 points, no bird attached please)                   | _____  |
| Quaking Aspen leaf (5 points)                                    | _____  |
| Living inch worm (10 points no maggots!)                         | _____  |
| Oak leaf (2 points, if you identify the type)                    | _____  |

type \_\_\_\_\_

Maple leaf (2 points, 4 points <sup>type</sup> see above finally some easy ones!) \_\_\_\_\_

Cattail (3 points) \_\_\_\_\_

Purple Loosestrife (4 points) \_\_\_\_\_

Dandelion (collect 3 of the four) 2 points not yet flowered  
3 Flowering  
5 seedling (intact)  
1 after seedling

Mushroom 10 points > 2" diameter <sup>5 points</sup> & < 2" diameter  
Identified 15 points

leaf Gall (6 points) \_\_\_\_\_

Sweet Fern (4 points) \_\_\_\_\_ pepper weed (4 points) \_\_\_\_\_

Japanese Knotweed (8 points) \_\_\_\_\_ Beach leaf (5 points) \_\_\_\_\_

Describe radio tower at 280° (7 points) \_\_\_\_\_

How high above sea level is Newton South? (5 points) \_\_\_\_\_

How about Crystal lake (3 points exact number) \_\_\_\_\_

Take a bearing on the three pointed radio tower,  
convert to a map bearing, ~~multiply~~ <sup>Add</sup> by 91

now walk 75 <sup>then look left</sup> paces on that bearing. identify marked tree  
(25 points) that's it. phew!

Monday's trip: Harbor Isles



Maybe some trivia w/ focus on pond & forest succession & etc.:

- Which came first, the pond or the forest???
- What is a disadvantage of not letting forest fires burn naturally?
- In which stage of Forest succession might you find plants like yarrow, Queen Anne's Lace, and tall grasses? (Pioneer/Meadow/Field/Forbes)
- In which stage of Pond Succession would you find plants like wee microscopic algae? (Bare bottom)
- Which of these could affect succession?
  - a) fire
  - b) flood
  - c) insects
  - d) human tree harvesting
- - e) all of the above
  - f) none of the above
- What plant's leaves smell like a rotting sandwich component?
- What stage of pond succession is the marsh outside Brown in? (Temp?)

how old is Envi-sci

35 years old, 30, 8, 23

how old did gabe say he was on the first date?

48, 64, 32, 21

3 things thrown to a distance in tickle and field.

discus, javelin, shotput

who shot alexander hamilton

(aron burr)

what is one way a climax community can change?

fire, other natural disaster

who was the last president with facial hair?

a) Herbert Hoover

→ b) William H. Taft

c) Ronald Reagan

d) Teddy Roosevelt

- 1) According to the tripple A, whats the best way to figure out if you're being followed?
- a) pull over and see if the follower pulls over
  - b) stop in the middle of the street, get out and ask the follower if he's following you?
  - c) Take 3 lefts and see if he's following you.
  - d) call the police.

2) How many elephants were there as spokes-creatures for Kellogg's Coco Krispies before coco the monkey

- 1) 0
- 2) 1
- 3) 3
- 4) 4

3) If you were a pond and you have vegetation growing in your water, but not above, and you have muck on your bottom and fishies and other amphibis you are in what stage of pond succession?

- a) bare bottom
- b) submerged vegetation
- c) emergent vegetation
- d) temp pond or prairie

4) In ~~the~~ <sup>the past 36</sup> years, ~~the~~ <sup>the</sup> Lewis has run \_\_\_\_\_ years.

- a) 30
- b) 60
- c) 35
- d) 40

What % of the world's land area is relatively undisturbed + protected?

5/10/15/20

• About how much is an acre of wetland worth, per year?

500/2000/10,000/25,000

• If a forest can produce a one time timber harvest of 1,000, about how much can it produce every year, forever?

5/50/500/5000

• How much of the Earth is covered by water?

20/40/55/70

• What biome will have the most plants per square mile?

Forrest, Tundra, Prairie, ~~Estuary~~ Wetland

• What is Jon's favorite color? (blue, but light not dark)

• Where ~~are~~ do Starlings and House Sparrows have in common? (They are invasive species)

• What plant serves as an apartment building for ticks? (mullen)

• How old was Jeff on the first day?

• Which leader has sat in dog poop more than once?

• List the first eight elements in order: H, He, Li, Be, B, C, N, O

• What is Gabe's favorite kind of pasta? (Farfalle), Gemelli, Orzo, Fusilli

• Who is Gabe going to marry? Penelope Cruz, Christina Aguilera, Yer mom, Sarah Michelle Geller

• Are Hanson boys or girls?

Q: What ~~is~~ is the emmsci mascot?

- a. emmsci-saur
- b. the emmsci grumpy 1880's man
- c. the emmsci rat
- d. the Bible

Q: How many times has Amelia been to Niagara Falls?

A: 17

Q: Which president was in office for the shortest time?

- a. William Henry Harrison
- b. James Polk
- c. John Adams
- d. George W. Bush

Q: What animal is on the Niagara bottle?

- a. Lion
- b. tiger
- c. bear
- d) no, seriously, a mountain lion

Q: How are the leaders paid?

- a) in goldfish ←
- b) in air heads
- d) in euros
- e) in mulla (moula)

Q: Which leader sweats the most?

- a) Amelia
- b) Joey ←
- c) Jon ←
- d) Gabe



THE  
INCREDIBLE

# 1992 ESP Scavenger Hunt!

Rules: You're on your own. Your leader may not help you, except to give hints on how to use the map, the compass, and the field guides. Pick/pick up only trash + recyclables; leave living things where they are. Your leader will keep score and verify your finds. GOOD LUCK!!

GROUP WITH MOST TRASH GETS 10 PTS!

Roxbury Conglomerate (2 pts) \_\_\_\_\_

Sarsaparilla (2 pts for ea. type; 3 types exist) \_\_\_\_\_

Pineapple weed (2 pts) \_\_\_\_\_

Plantain (2 pts) \_\_\_\_\_

Raspberries (director will decide based on # and quality) \_\_\_\_\_

Frog or toad \_\_\_\_\_ (15 pts)

4-leaf clover <sup>cribbitt</sup> (50 pts each) \_\_\_\_\_

Soda cans/bottles (4 pts each) \_\_\_\_\_

Plastic containers ~~5~~ or ~~2~~ (8 pts) \_\_\_\_\_

White oak (5 pts) \_\_\_\_\_

a monocot (2 pts) \_\_\_\_\_

a deciduous tree (2 pts) \_\_\_\_\_

a feather (10 pts) \_\_\_\_\_ - no bird required -

a structure using solar energy (10 pts) \_\_\_\_\_

10 pts for every member w/all of their equipment

Chicory (5 pts) \_\_\_\_\_

a fungi (3 pts) \_\_\_\_\_

Correct altitude of NSHS \_\_\_\_\_ (10 pts)

Correct direction in degrees from NSHS to Brown (15 pts) \_\_\_\_\_

# of miles the

Charles River flows through Newton.

Bonus:

Aster (5 pts) \_\_\_\_\_

a cumulus cloud (5 pts) \_\_\_\_\_

an EXOTIC species (5 pts) \_\_\_\_\_

Bracken Fern (5 pts) \_\_\_\_\_

Flapper weed (6 pts) \_\_\_\_\_

Red pine (5 pts) \_\_\_\_\_

White pine (5 pts) \_\_\_\_\_

Red Oak (5 pts) \_\_\_\_\_

An evergreen (2 pts) \_\_\_\_\_

Purple loosestrife (5 pts) \_\_\_\_\_

Leaf Gall (12 pts) \_\_\_\_\_

Sweet Fern (5 pts) \_\_\_\_\_

# FIRST DAY SCAVENGER HUNT

- Sumac (1)
- Male (1)
- Female (1)
- Foreign Species (3)
- Plantain (0)
- Broadleaf (1)
- English (1)
- Quaking Aspen (2)
- Pineapple Weed (1)
- Oak (0)
- White (1)
- Red (1)
- Sassafras (2)
- Bracken Fern (2)
- Monocot (2)
- Dicot (2)
- Queen Anne's Lace (2)
- Yarrow (2)
- Purple Cowvetch (2)
- Purple Loosestrife (2)
- Cowtails (2)
- Cloud (0)
- What kind? (4)
- Chickory (1)
- Locust (2)
- Tree of Heaven (2)
- Deadly Nightshade (3)
- Birch (0)
- White (1)
- Black (1)
- Fir (2)
- Spruce (2)
- Something that's solar powered (3)
- Leaf Gall (10)
- Length of Charles in Newton (3)
- Elevation of Brown (2)
- Direction from Brown to Bunker Hill (1)
- Feather (10)
- Toad or Frog (20)
- Fox (40)
- Coyote (40)
- Modern Dinosaur (5)
- Red-winged Blackbird (10)
- Hawk (5)
- What kind? (10)
- Something Dead (3)
- Something Alive (3)
- Something non-living (3)
- Rubbing Conglomerate (2)
- Raspberries (5, 15 if you bring some to the Director)
- Each Recyclable bottle/can (2)
- Each person in the group with all their stuff (2)
- If Everyone has everything.. (20)
- 4 Leaf Clover!! (30)
- Pine (0)
- White (1)
- Red (1)
- Pitch (1)

ALL DONE!

# More Identification!

A Monocot (5 pts) \_\_\_\_\_

A Dicot (5 pts) \_\_\_\_\_

Evergreen (5 pts) \_\_\_\_\_

Deciduous Tree (5 pts) \_\_\_\_\_

Structure Using Solar energy (10 pts) \_\_\_\_\_

Raspberries (5 pts) \_\_\_\_\_

Name of an identified flower or tree not on this list  
(5 pts each)



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and now... NAME THAT QUOTE! (10 pts each) Leaders can help!

"My cat's breath smells like cat food" \_\_\_\_\_

"I glued my head to my shoulder" \_\_\_\_\_

"Oops! I did it again" \_\_\_\_\_

"You can dance, you can jive. Making the time of your life" \_\_\_\_\_

"I'm leaving on a jetplane" \_\_\_\_\_

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BONUS (fill in the blank)

\_\_\_\_\_ is the coolest director of Envi-Sai! (20 pts)

Sumac male/female

exotic/invasive species

broad leaf plantain/english plantain

quaking aspen

• 4 leaf clovers

• ~~pineapple~~ <sup>weed</sup> wheel

white/red oak

• white/red pine

leaf gall

Sassafras

brake fern

• length of Charles in Newton

• elevation of brown

• something solar powered

monocot

dicot

Queen Anne's lace

garrow

purple cow netch

purple hystrix

cow tails

• feather

• toad or frog  
cumulus cloud

• box bunny conglomerate  
chickens

• raspberries

locust

leaddy nightshade

• — pts each person having  
all their stuff

white/black bitch

• dead

• alive

• non-living

• invasive modern dinosaur

• fox




• coyote

• ~~both~~  
• botches/cans

# ENVI-SCI SCAVENGER HUNT!



RULES: Find as many of the following items as possible to earn the most points and win a special prize. Your leader(s) may NOT help you, except to give hints on the maps, compasses, and field guides. Do not pick living things (with the exception of berries and clovers). GOOD LUCK!

- |  |  |   |
|--|--|---|
| <p><b>Flowers</b> </p> <ul style="list-style-type: none"> <li>Mint (3 pts) _____</li> <li>Pineapple Weed (2 pts) _____</li> <li>Chickory (2 pts) _____</li> <li>Wood Sorrel (2 pts) _____</li> <li>Purple Loosestrife (5 pts) _____</li> <li>Pepper Weed (2 pts) _____</li> <li>Aster (2 pts) _____</li> <li>Dandelion (2 pts) _____</li> <li>Curly Dock (2 pts) _____</li> <li>Cattail (2 pts) _____</li> <li>St. John's Wort (3 pts) _____</li> <li>Milkweed (2 pts) _____</li> <li>Deadly Nightshade (3 pts) _____</li> <li>Poison Ivy (5 pts) _____</li> <li>Hosta (3 pts) _____</li> <li>Day Lily (2 pts) _____</li> <li>Queen Anne's Lace (2 pts) _____</li> </ul>  | <ul style="list-style-type: none"> <li>Yarrow (2 pts) _____</li> <li>Purple Cow Vetch (2 pts) _____</li> <li>Indian Pipe (10 pts) _____</li> </ul> | <p><b>Trees</b> </p> <ul style="list-style-type: none"> <li>Silver Maple (2 pts) _____</li> <li>Red Pine (5 pts) _____</li> <li>White Pine (5 pts) _____</li> <li>Pin Oak (5 pts) _____</li> <li>Quaking Aspen (5 pts) _____</li> <li>Weeping Willow (5 pts) _____</li> <li>Sugar Maple (5 pts) _____</li> <li>Sassafras (2 pts for each type of leaf) _____</li> <li>Tree of Heaven (5 pts) _____</li> <li>Male + Female Sumac (2 pts each) _____</li> <li>Red Oak (5 pts) _____</li> <li>White Oak (5 pts) _____</li> <li>Birch (5 pts) _____</li> </ul> |
| <p><b>Miscellaneous</b> </p> <ul style="list-style-type: none"> <li>Plantain (2 pts, 3 if you know what kind) _____</li> <li>Bracken Fern (2 pts) _____</li> <li>Boston Fern (3 pts) _____</li> <li>Yew (2 pts) _____</li> <li>Altitude of Brown Middle School above Sea level (10 pts) _____</li> <li>Direction from Brown Middle School to Newton South High School (15 pts) _____ degrees</li> <li># of Miles the Charles River flows through Newton (15 pts) _____</li> <li>Cumulus Cloud (5 pts) _____</li> <li>An "exotic" or "invasive species" (5 pts) _____</li> <li>4 Leaf Clover (25 pts each) _____</li> <li>Feather (10 pts each) _____</li> <li>Leaf Gall (10 pts each) _____</li> <li>A fungi (5 pts) _____</li> <li>Having all your equipment (10 pts each) _____</li> <li>Lichen (5 pts) _____</li> <li>Roxbury Conglomerate (5 pts) _____</li> <li>Frog or Toad (50 pts) _____</li> </ul> |  |   |





→ (OVER)

# E.S.P. SCAVENGER HUNT!

## THE RULES:

Find as many of these items as possible to earn the most points and win a special prize. Your leader may not help you except to give hints on the maps, compasses and field guides. Only pick up trash, not living things (with the exception of berries + clovers). GOOD LUCK!

XXXX 10 Points for the group w/ the most trash XXXX

Roxbury Conglomerate (3pts)	A Monocot (2pts)	CaCO <sub>3</sub> or Limestone (4pts)
Sassafras (2pts for each kind of leaf)	Dicot (2pts)	10pts for everyone in your group w/ <u>ALL</u> Equipment!
Pineapple Weed (2pts)	Evergreen (2pts)	Altitude of Brown Jr. HS above Sea Level (10pts)
Plantain (2pts, 3 if you know which kind)	Deciduous tree (2pts)	Direction from Brown JH to Newton South HS (in deg.) (15pts)
Raspberries (8pts. → 12 if brought to the director!) 	Wood Sorrel (2pts)	# of miles the Charles River flows through Newton (15pts)
Frog or Toad (15pts)	A feather (10pts)	
4-leaf Clover (50pts)	Purple Loosestrife (5pts)	
Each soda can or bottle you bring (4pts)	Leaf Gall (12pts)	
Each plastic container (1 or 2) or PETE or HDPE (8pts)	Structure using  Solar energy (10pts)	
Chickory (8pts) (my fav. flower!)	Sweet Fern (5pts)	<u>Bonus!</u> 
	Bracken Fern (5pts)	An Aster (5pts)
	Pepper Weed (6pts)	A Cumulus Cloud (5pts)
	Red Pine — White Pine	An "exotic" species (15pts)
	Red Oak — White Oak	A fungi (3pts, 7 if identified)
	 (all 5pts each) 