

KIT-N-KABOODLE

Fall 2000



Wayne-Finger Lakes Board of Cooperative Educational Services

by Sharon Bassage, Coordinator of Science Programs

Coordinator's Corner

Welcome Back!

Another year is upon us with the new challenges we face with new students, new curriculum, new tests, and new personnel! I want thank you all again for your continued interest and support of the science center and all we offer. If there is anything we can do, please don't hesitate to call (315) 332-7267. If you need supplies, weather you get science kits or not, we may be able to help. Due to our bulk ordering, we may have cheaper prices for your yearly science supplies. *Call and ask!*

The 4th grade ESPET test went relatively well from feedback I received. There were a few schools that were inadvertently left out of the loop of communications in terms of training and general information from the State. If you need to be added to my mailing list, please call so that I can update my database.

The 8th grade practice test has been completed and many of you already have the kits in your schools. This year is the first year for the Intermediate Level Science Test (ILS). I will have several meetings and workshops throughout the year to keep you updated. Your science mentor will receive information from me and will distribute the news. If you don't know who your mentor is or need to change mentors please call me so I can update my files. New testing kits will becoming your way.

Inside the newsletter you will find more information on testing, kits, special pricing for kits, and workshops.



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New Phone Numbers:

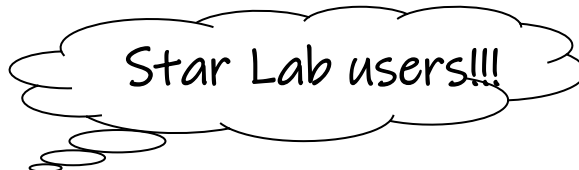
Sharon Bassage: (315) 332-7267

Nancy Tewksbury: 332-7226 Kit bookings

Barb Hurrin: 32-7335 ordering supplies

Nonie Wyffels:332-7334 Extra supplies

Lois
Main
:
332-
7334

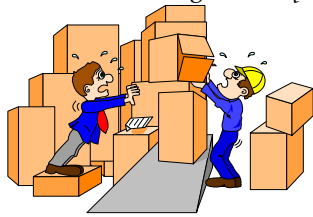


Extra supplies

For this year only the star lab will be rented at the cost of **\$175.00/week** OR for **\$215.00/day**. The per day price includes "the whole package"!! We will setup the dome, deliver lessons to your students (a teacher helper is required in the dome), pack up the dome and



return home. There is a limit of 5 classes/day. Call for more specifics. We are doing this as a trial basis to give teachers a break that are requested to deliver lessons to all the grade levels. *There is still time available to rent the lab but hurry, the slots are being booked quickly!*

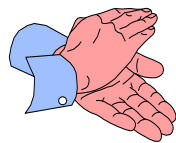


Kit Information:

The new science kits: Animals and Their

Coverings, Elementary Solar System, Intermediate Solar System, and Intermediate Earth Science have been well

received! They have been updated *again* to match the most recent core content changes. They have specific major understandings listed along with each lesson. This will help determine what standards you are hitting and which ones, you need to incorporate into your curriculum. Due to the popularity of these kits, we had to shift some dates around to accommodate all the bookings. Please check your confirmation letters to see when the delivery dates will be for your kit orders. PLEASE check your confirmation letters to see the arrival times of your kits.



All of the science kits have the standards imbedded into them, although some do not have them listed. We are still working to update the manuals so that the standards are listed with each lesson.



Hopefully all your students did well on the new ESPET test. Several questions have come up in regards to the kit and what to do with it. The kits are yours to keep. It should be kept in a secure (locked) location. This will ensure that the test is complete and ready to use next year. There are several schools who have ordered ESPET testing kits again this year. Please check with your administrator and see if you actually need one or if they simply marked it because it

was last year. We will try to contact people from our end too.

I will be holding workshops during the school year on parallel tasks to complement those on the test. In March or April I will hold a review session for scoring the manipulative test.

Intermediate Level Science Test

The Intermediate Level Science Performance Evaluation Test (ILSPET) is still scheduled to be given in the spring of 2001 to 8th grade students. The test has been piloted and there are sample questions posted on the SED web site: www.emsc.nysed.gov/ciai/mst.html. Most all of you have either ordered or have prepared the practice test for use in your classroom. We still have some in stock if anyone needs one or needs the microscope slides (blood and onion). A new version of the manipulative test will be coming out soon. This will be used for the actual test. I will have more information soon. The deal for microscopes and balances is still in progress. If your school needs these items give Barb Hurrin a call at (315) 332-7335 and she can get an order in for you.



The content portion of the test is based on the Intermediate Core Content Guide. The newest version is now on the Internet at the same address.

The manipulative test is based on the skills listed in the core guide and has the same idea as the ESPET (elementary test). There will be three stations that all students will rotate through. As you know, students must be able to use a compound microscope and a 3-beam balance. There have been questions as to how many microscopes and balances will be needed to do the test. It all depends on how many students you have and how you set up your test. For example, if you have 5 sets of tables set up with the 3 stations at each, you will need 5 microscopes, balances, and the other manipulative materials. That means you will be sending 15 students through the test at a time. If you have 150 students, you will need to administer the manipulative 10 times to accommodate all your students. Remember that

these materials should be in your labs year round and if money permits (ha ha, easier said than

done) you should have enough equipment for all your lab groups to work with.

The meeting scheduled for this January in Albany will again focus on the intermediate level exam. I will attend and gather as much information as possible about the test. I will be holding several meetings throughout the year to discuss needs and wants (sorry no extra money or fewer students!) of the middle level teachers. After the January meeting we will have one last series of sessions dealing with scoring the tests using the state rubrics! If you have any specific questions, please email or call me. See the list of workshops in the back for dates and times for middle school.

FYI: The State has decided to rename the ILSPET to Intermediate Level Science – Part D. It may be written or spoken of as ILS Test – Part D.



Did you know we have:

NG HEALTHY **GROWI**
A Program of the National Center for Health Education

Growing Healthy

Growing Healthy is a comprehensive school health education program for students in Kindergarten through Grade 6. Managed by the National Center for Health Education (NCHE), *Growing Healthy* promotes students’ self-esteem and decision-making skills, enabling them to adopt healthy, responsible attitudes and behaviors.

A Comprehensive Approach to Health Education

Unlike single-topic curricula, *Growing Healthy* does it all in 43 – 51 lessons per grade level. Ten major content areas focus on the physical, emotional, and social dimensions of young people’s health. *Growing Healthy* addresses the following content areas:

- Disease Prevention and Control
- Mental/Emotional Health
- Growth and Development
- Family Life and Health
- Safety and First Aid
- Substance Use and Abuse
- Nutrition
- Personal Health
- Consumer Health
- Community and Environmental Health Management

New Training Schedule

Training for *Growing Healthy* has significantly changed. Melissa Stewart from TRC is a master teacher for the program and can customize a training program exclusively for your school! There are no more limitations on the number of participants needed to do training. There are several options as to the number of days needed for training sessions. Additionally, pricing for the kits has been changed!! This year it costs \$300.00/6 months for any grade level. All kits will have videos in them at no extra cost. Call Sharon Bassage at (315) 332-7267 for more information. This program can also be funded through certain State health monies.

Melissa and I are planning a series of workshops to show how to complete the dissections in the *Growing Healthy* kits. Check the workshop schedule in the back of the newsletter to see when they are!
**** Please see the dissection training on October 24th in the workshop section!**



PROJECT WILD, PROJECT WET, PROJECT AQUATIC

Get involved with a wonderful curriculum focusing on wildlife! The lessons are formatted to align with ELA, Math, Social Studies, Art, Music and Science standards. These workshops will introduce you to the curriculum and gives you 100's of activities to choose from. See the workshops scheduled in November and the additional letter sent to your science contact person for more information.

HANDS ON SCIENCE OUTREACH program (HOSO)

This is a new recreational, after school science program for children from pre-K to 6th grade. It is a community program that stimulates “science in your life” awareness through fun activities and experiments. The program is run in your district, 8 weeks long, 1 hour/week (ex. science club), and can be taught by teachers, parents, or possibly by the people from HOSO. Possible topics include, Two feet, Four Feet, Jaws and Claws, Chemistry Detectives, Rocky Road. Teacher training for multiple districts is BOCES “aidable”. Call for more information or Deb Palumbos (716) 581-1802 to set up a training session.



PASCO SCIENTIFIC PROBES

We have a growing stock of PASCO Scientific Probes. The electronic probes and interface boxes **are available for rental purposes** in your school district (similar to a science kit). When you rent the probe, you will receive the software, probes, interface boxes and lab manuals for specific content areas. The use of the probes directly corresponds to the MST standards for using electronic equipment for gathering data. The probes can also be taken outside for stream studies or other laboratory activities. A price list (per probe) and available inventory for the probes are listed.

I am available to do inservice in your school to help familiarize teachers to the equipment. If you would like me to visit just give me a call!

PROBE	How Many in Stock	YOUR COST (each)
Acceleration	3	11.00
Photogate	4	6.00
Colorimeter	2	13.00
Conductivity	2	13.00
Dissolved Oxygen	1	25.00
EKG	5	17.00
Flow Rate	1	27.00
Force	4	12.00
Intro Dynamics System	1	32.00
1.2M Track, Dynamics cart, Plunger cart		
Temperature (C)	20	5.00
Light	20	6.00
pH	10	10.00
Motion	20	9.00
Pressure (absolute)	1	10.00
Respiration Rate	5	17.00
Sound	20	5.00
Voltage	20	2.00
Interfaces	10	Free

Additionally, there are workshops scheduled with PASCO probes October 12th and December 6th at BOCES. The October workshop will introduce the general program and probes for use in your classroom. The December workshop will feature new probes and a new program to run them. Refer to the workshop schedule on pages 5 and 6 for the time and dates.

SCIENCE WORKSHOPS FALL 2000

All workshops will take place in Newark, unless otherwise stated. Check the listing in the front foyer of Eisenhower for locations. Lunch will not be provided although there is a lunchroom with a refrigerator for your use. **Listen for school closings due to winter weather. BOCES will be closed if Newark is closed.**

Sept. 26 Tuesday 10:00 – 3:30 Intermediate Earth Science

The day will be spent learning the concepts and completing the activities in the manual. The kit has been updated *already* due to the change in the intermediate core content guide. You will receive a student lab manual and activity manual to take for review prior to receiving your kit.

Sept. 27 Wednesday 9:00 – 2:00 Elementary Solar System

Participants will become familiar with the activities and manual in this standards based kit. We will complete the activities and discuss concepts within the kit.

Oct. 3 Tuesday 10:00 – 3:30 Intermediate Solar System

We will review the activities in the kit and complete the activities. I have updated the manual *again* due to the change in the intermediate core content guide. Additionally, the manual and activities have been “rearranged” from the original manual. You will receive a student lab manual and a student activity manual for review.

Oct. 4 Wednesday 8:30 – 11:30 Animals and Their coverings

This MST based kit covers many of the elementary living environment standards. We will review the new kit and complete all the activities. This will offer you a good preview to the kit prior to it arriving in your classroom.

Oct. 4 Wednesday 1:00 – 3:30 Intermediate Level Mentor Meeting

We will discuss the upcoming test, supplies needed, and schedule any additional informational meetings. I need some input as to what we might exclude from the kit to help reduce the cost without compromising the materials for the test. I’d like to set up a workshop after school (?) for hands-on lab and demo activities. Discuss with your teachers if this would be important to them and when it would be convenient for them to attend.

Oct. 11 Wednesday 8:30 – 3:00 Intermediate Level Practice Test \$10.00

This session will help teachers understand what is in the kit and how to use it with grades 5-8. We will discuss State requirements, core content, lab skills, and materials.

Oct. 12 Thursday 8:30 – 3:00 PASCO Electronic Probes

Participants will learn the basics of using the probes and the “Science Workshop” software. There will be time to complete different activities in each discipline or to explore your own lab ideas. You will be introduced to the newer version software called “Data Studio”.

Oct. 17 Tuesday 8:30 – 11:30 Elementary Core Content Guide

Come learn and work with the new elementary core content guide. We will discuss similarities and differences between the old syllabus and core guide and see how to determine what is missing in your curriculum.

1:00 – 3:30 Star Lab Review – Can be done at your school too!!!

This is for new users and a review for current users. See how to setup and take down the dome and get some insight on how to use the cylinders.

Oct. 18 Wednesday 12:30 – 3:30 Three Sisters \$15.00/person Cornell Cooperative Extension

This presentation covers many MST standards over a broad spectrum including the arts, ELA, health, science, social studies, and more. The Three Sisters will deal with the diversity of cultural heritage, the diversity in plants and people, the Iroquois history, legend and customs, farming and more. Always a crowd pleaser!!

Oct. 19 Thursday 8:30 – 3:00 Parallel tasks for the 4th grade manipulative test \$50.00

Participants will learn how to design parallel tasks to help enhance student performance on the 4th grade science test. We will focus on skills that are needed to take the test. I will have stations already set up for your use. If you have the item analysis of your students' tests, we can evaluate strengths and weaknesses in your program. You will leave with many activities to implement in your classroom.

Oct. 24 Tuesday Growing Healthy Dissections! \$10.00/session*

9:00 – 10:00 2nd Grade eye dissection – learn all about the eye and how to dissect it apart.

10:00 – 11:00 3rd grade chicken foot dissection – see how the tendons, ligaments and bones relate

12:30 – 2:00 5th grade lung dissection – get a good view of the bronchi and lung tissue

2:00 – 3:30 6th grade heart dissection – see the inner workings of the heart chambers, valves etc.

* \$30.00 for anyone attending all 4 sessions.

Nov. 1 Wednesday 8:30 – 3:30 Intermediate Parallel Tasks for the Manipulative test \$50.00

Participants will design parallel tasks with the MST standards in mind to help enhance student performance on the 8th grade science test. We will focus on skills that are needed to take the test. I will have stations already set up for your use. You will leave with many activities for the middle level to implement in your classroom.

Nov. 14 Tuesday 8:00 – 11:30 Basic Project WILD \$10.00
12:00 – 3:30 Aquatic Project WILD

Project WILD and Aquatic Wild are Award-winning programs designed to help students learn basic concepts about wildlife, habitats and their environment. The workshop is action-packed with over 150 activities in the guidebooks to reference. The Projects lend themselves to an excellent MST project. Students can design a dam for a local river or come up with a community plan that benefits both people and wildlife. In the Basic WILD workshop participants receive a 386 page activity guide and in Aquatic WILD a 242 page guide. (minimum 15 people)

Nov. 15 Wednesday 8:30 – 3:30 Project WET \$25.00

Project WET is an interdisciplinary water education program for teachers and youth leaders. The goal is to facilitate the awareness, appreciation, knowledge and stewardship of water resources. The 516-page guide contains 91 activities for grades K-12 that are hands-on, easy to use, and fun.

Dec. 6 Wednesday 9:00 – 3:30 PASCO Probes in the Classroom (with Chris Bleuher, NYS Rep)
Chris will introduce new software and new probes for the PASCO system. Participants will review the use of the probes and the software and get good examples of how to use them in the classroom. Afterwards we will apply the use of the probes in the classroom setting, using the supplies available.

SCIENCE TRAINING RESISTRATION FORM

(One registration form per person. Make additional copies as necessary.)

PLEASE PRINT

Name: _____

Home Phone: _____ Work Phone: _____
(needed for winter cancellations)

District/Building: _____ Grade Level: _____

E-Mail: School _____ Home: _____

	WORKSHOP TITLE	DATE(S)	LOCATION
1.	_____	_____	_____
2.	_____	_____	_____
3.	_____	_____	_____
4.	_____	_____	_____

Approving Administrator's Signature (if applicable)

**Return 2 weeks prior to workshop
(or as soon as possible) to:**

Sharon Bassage
Arcadia Building
131 Drumlin Court
Newark, NY 14513-1863
FAX: (315) 331-2016

To help better met your needs, please list below any workshops you would like to see and if you would be a presenter for any workshop. You may list any changes in teachers, science contacts or address information here.
