

# Soybean Science Kit Lending Form

(Please print clearly)

Ordered by: \_\_\_\_\_

School: \_\_\_\_\_

Shipping Address: \_\_\_\_\_

City, State, Zip: \_\_\_\_\_

Phone: \_\_\_\_\_

Fax: \_\_\_\_\_

E-Mail: \_\_\_\_\_

ORDER DATE: \_\_\_\_\_

DATE REQUIRED: \_\_\_\_\_

TO BE FILLED OUT BY KSPB STAFF:

DATE SHIPPED: \_\_\_\_\_

DATE TO BE RETURNED: \_\_\_\_\_

\*Due to limited time and resources, each kit must be returned promptly. For each week the kit is not returned there will be a \$25 late fee.

## Kentucky Soybean Board



P.O. Box 30  
1001 US Hwy. 62  
Princeton, KY 42445  
270-365-7214 (Office)  
270-365-2506 (Fax)  
www.kysoy.org  
kysoy@vci.net

## Kentucky's Core Content Assessments

### SOYBEAN SCIENCE KIT UNITS/LESSONS

#### POLYMERS

- Lesson 1: Chains in the Classroom  
SCM 3.1.2, 3.1.3, 3.1.4
- Lesson 2: Germinating and Growing Soybeans  
SCE 2.1.2, 3.1.2, 3.1.3, 3.2.1, 3.2.2, 3.3.1, 3.3.3  
SCM 2.3.4, 3.1.1, 3.1.2, 3.1.3, 3.1.4, 3.2.1, 3.2.3, 3.3.1, 3.3.2, 3.5.2, 3.5.3  
MAE 3.1.3, 3.2.1, 3.2.2, 3.2.3 MAM 3.2.1-3.2.7
- Lesson 3: Polymers in Your Life  
SCE 1.1.1, 1.1.2  
MAE 2.2.1, 3.1.3, 3.2.2, 3.2.3, 3.2.5, 3.3.3  
MAM 3.2.1, 3.2.2
- Lesson 4: It Does What? Oobleck  
SCE 1.1.1, 1.1.3 MAE 2.1.5  
SCM 1.1.1
- Lesson 5: Links in the Classroom  
SCM 1.1.2
- Lesson 6: It Does What? Gluep  
SCE 1.1.1, 1.1.2, 1.1.3, 1.2.3 MAE 2.1.5  
SCM 1.1.1, 1.1.2
- Lesson 7: What's in a Soybean?  
SCE 3.1.1, 3.1.3, 3.2.1  
SCM 3.1.1, 3.1.2, 3.1.3, 3.1.4
- Lesson 8: Chromatography Using Soybean Leaves  
SCE 1.1.1, 1.1.3, 1.2.3, 1.3.4  
SCM 1.1.2, 1.2.1
- Lesson 9: Many Kinds of Glue  
SCM 1.1.2 MAE 2.1.5
- Lesson 10: Glue Test  
SCM 1.1.2 MAE 2.2.1
- Lesson 11: Chains in Ink  
SCM 1.1.2 MAE 2.1.5
- Lesson 12: Polymers Everywhere Evaluation  
SCE 2.2.2, 3.1.1

#### OILS

- Lesson 13: Marbleizing  
SCE 1.1.1, 1.1.2 SCM 1.1.1, 1.1.2, 1.1.3
- Lesson 14: Salad Dressing  
SCE 1.1.1 SCM 1.1.1, 1.1.2, 1.1.3
- Lesson 15: Lip Balm  
SCE 1.1.3 MAE 2.1.5  
SCM 1.1.1, 1.1.2
- Lesson 16: Soybean Hand Cream  
SCE 1.1.3, 1.3.2 SCM 1.3.2
- Lesson 17: Oil and Water Emulsions  
SCE 1.1.1, 1.1.3 SCM 1.1.1, 1.1.2, 1.3.1
- Lesson 18: Candles and Crayons  
SCE 1.1.3, 1.3.2 SCM 1.3.1, 1.3.2
- Lessons 19: Putt-Putt Boats  
SCE 1.1.3 SCM 1.3.1

#### BIOTECHNOLOGY

- Lesson 20: Making a DNA Model  
SCE 3.1.3, 3.2.1, 3.2.2  
SCM 3.1.1, 3.1.2, 3.1.4, 3.3.1, 3.3.2
- Lesson 21: DNA Extraction and Spooling  
SCM 3.1.4, 3.3.2

The Kentucky Core Content Assessments are available by contacting the Ky Department of Education

# Soybeans ...



Soy Biodiesel  
Soy Milk  
Soy Candles  
Chocolate  
Chewing Gum  
Hand Lotion  
Lip Balm  
Crayons



# Need Something New to Excite Your Students? *We have the answer!*

The Kentucky Soybean Board has 4 Soybean Science Kits for your classroom use. Each teacher may use the kit free of charge for two weeks.

The **Soybean Science Kit** program was developed nine years ago at Purdue University through a grant from the Indiana Soybean Board Checkoff funds. It is designed to assist teachers in meeting National Science Education Standards, particularly with 4th to 9th grade interdisciplinary curriculum.

The kit is a complete science lab that contains everything necessary for 30 students to participate in 21 hands-on experiments and exercises (with the exception of a very few readily available household materials), including two new Biotech lessons, an interactive CD and an instructional videotape.

The kit is not a toy... it is a serious soy-

bean science tool that is about four times bigger than a bread box and weighs 50 pounds. More than 4,000 kits are currently being used in schools. These kits continue to receive outstanding evaluations from teachers.

To participate in the program please complete the attached lending form. The kits will be lent out on a first come first serve basis. The kit will be shipped to you via UPS. When your 2 week lending period is up. Call or go online to UPS to schedule your pick up. Tell UPS to bill the recipient with the account number provided.

**Remember to be considerate of others and return the kit on time. Other teachers have also made arrangements to use the kit. For each week the kit is returned late there will be a \$25 late charge.** Be sure to return your lending form promptly to ensure your participation. We look forward to hearing from you.

After using the kit, teachers may purchase a kit, materials, and the accompanying lesson demonstration videotape by calling 317-347-3620 or online at [www.soybeansciencekit.com](http://www.soybeansciencekit.com).

For more information about the Soybean Science Kit, please contact the Kentucky Soybean Board at 1-800-232-6769 or [www.kysoy.org](http://www.kysoy.org).



## Lessons included in the Soybean Science Kit are:

### POLYMER LESSONS

- Chains in the Classroom
- Germinating and Growing Soybeans
- Polymers in Your Life
- "It Does What???" - Oobleck
- Links in the Classroom
- What's in a Soybean?
- Chromatography Using Soybean Leaves

### OIL LESSONS

- Marbleizing
- Salad Dressing
- Lip Balm
- Hand Cream
- Oil and Water Emulsion
- Candles & Crayons
- Putt-Putt Boats

### BIOTECHNOLOGY

- DNA Modeling
- DNA Extraction

### INTERACTIVE CD-ROM

- Growing
- Processing
- Products

**Each Teacher is able to use the kit for a two-week period. For each week the kit is returned late there will be a \$25 late charge.**