

Pea Plant Genetics Lab - v6

Make Mendel's experiments come alive with this versatile and simple to use software.

Product Features

Unlimited Generations and Unlimited Plants in Each	Auto-Counting Available as a Teacher Option.
Black-Line Masters Make Lesson Preparation Easy	Reporting on Student Accuracy Makes Monitoring Simple.
4 Types of Inheritance	Integrated 'Construction Kit': Create Your Own Pea Plants
Load and Save Plants for Testing	Use a Created Plant Immediately as a Parent

Grade Level

High School

Detailed Product Information:

Make Mendel's experiments come alive with this versatile and simple to use software. If you teach genetics by doing breeding experiments, you need to look at this software.

Allow students to conduct realistic breeding experiments, in the classroom, over a single period rather than several months. Students can individually count, categorize, and record each plant on-line. Twenty-four experiments included in the Lab Manual enable your students to investigate five types of genetic inheritance including single, double, triple, codominance, and incomplete dominance. Teachers have the option of blocking the dominant gene display for practical projects.

This breeding simulation is designed for junior and senior students and encourages the development of skills in scientific method. As a teaching tool it may be used in a variety of teaching strategies.

Students visually count, categorize, and record the individual plants, making this a realistic science experience rather than a secondhand data exercise.

Teachers now have the option to allow the students to use an auto-count system to count up to 100,000 plants in seconds. This means that longer experiments, dihybrid and trihybrid crosses, can be done quickly.

Student reporting is now an option - students have to fill in the number and type of plants they observed before the program allows auto-counting. This provides the teacher with a report on the students accuracy while counting.

Integrated construction kit enables new plants to be created and used as parents in seconds.

Also includes a Teacher Resource document in pdf format - 110 reproducible pages contain 24 experiments to guide students through examples of, single genes, double genes, triple genes, incomplete dominance, and codominance.

The Plant editor is now an integrated part of the program.

Tangent Scientific

P.O. Box 705, Lewiston, NY 14092 • phone 1-800-363-2908 • fax 1-877-704-1555
web www.tangentscientific.com • lisa_tangent@cogeco.net

Plant Construction Kit.

This section has 2 modes:

Student Mode - Construct homozygous plants with a mutation in all Mendel's 7 plant characteristics.

Teacher Mode - Select up to 2 mutant genes per characteristic as heterozygous or 1 as homozygous.

Save each plant with one of 3 genotype display options:

Always: Display the genotype of the plant during breeding, provided the teachers has set this as an option.

Lock Code: Only displayed after a plant's code word has been entered. Good for classroom problem solving and practical tests.

Never: Excellent for school or home based assignments.

*System Requirements:***Windows:**

Windows XP, 2000, NT or 98.

Pentium III or better

1024 x 768 screen resolution or better recommended.

List Price:

Pea Plant Genetics, WIN CD, Single User

Price: \$79.00

Pea Plant Genetics, WIN CD, 5 User

Price: \$159.00

Tangent Scientific

P.O. Box 705, Lewiston, NY 14092 • phone 1-800-363-2908 • fax 1-877-704-1555

web www.tangentscientific.com • lisa_tangent@cogeco.net

About Tangent

Ordering Information

Tangent Scientific accepts official purchase orders from recognized institutions. We require prepayment for individuals, home-schoolers, and businesses. You may place a purchase order with Tangent by e-mail, mail, fax, or telephone.

Have a product or curriculum question?

Tangent Scientific can answer your questions and help you select the best software available to suit your needs. We strongly encourage you to call or e-mail our office with any questions you may have.

To request product information, brochure or catalog?

Call or e-mail your request to our office and we will be happy to forward all available product information.

Previews

At your request software can be previewed and evaluated before you commit to the purchase – just by calling 1-800-363-2908. Previews are full, complete versions of the program that are made available to interested educators for a trial period of 15 days without the need for an official purchase order. Call for further details!

Request a Quote

For competitive product pricing on larger network, building, site or district licenses and custom software packages, please contact customer service by telephone or e-mail. Please be sure to include which product(s) you are interested in, and the number of users you wish to purchase.

Contact Us

Toll Free Telephone
1 800 363 2908

Toll Free Fax
1 877 704 1555

Our Complete Mailing Address is:

Tangent Scientific Supply Inc.
PO Box 705
Lewiston, NY 14092-0705

E-Mail:

info@tangentscientific.com

Technical Support:

For technical assistance please complete the Support Form on our webpage.

Tangent Scientific

P.O. Box 705, Lewiston, NY 14092 • phone 1-800-363-2908 • fax 1-877-704-1555
web www.tangentscientific.com • lisa_tangent@cogeco.net