

PLANT GENOMICS

examines Earth's most crucial living creatures -plants- and investigates the important contribution genomics researchers are making to agriculture, human health, and the environment. Visitors discover interactive games, groundbreaking research, and learning opportunities.

LEARNING OBJECTIVES

- Understand that plant genomics is important for the environment, agriculture, and human health.
- Understand a basic definition of plant genomics.
- Understand that plants provide us with food and oxygen.
- Understand that the genetic differences among plants allow them to survive a variety of environments.
- Understand that the genome is the sum of all organism DNA instructions and have a sense of the scale of DNA



PLANT GENOMICS: includes several stations. Each one focuses on a particular concept and incorporates interactive elements. This allows the stations to work well together as an exhibit or individually!

02: Explore how plants create oxygen and nutrients all other life depends on, and see why it's a good thing we can find plants almost everywhere on the planet. Discover how genomics research can help us solve the environmental puzzle we face.

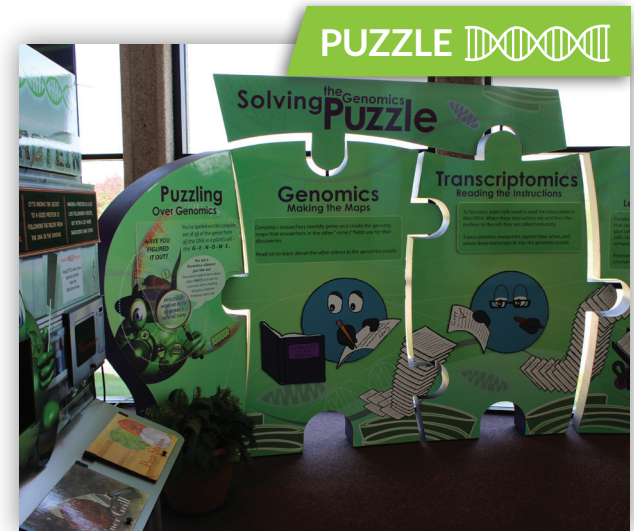
Dimensions: height= 90", width= 150", depth= 64"
Electrical Components: push-button controlled interactive

THE DNA DINER: "You want DNA with that?" The entire set of DNA instructions, or genome, if made up of thousands of genes that contain thousands of DNA bases. If you could stretch out the DNA strand in a single human cell, it would be about six feet long. "How do you like your protein?" Place your genetic order and learn how proteins are made. Cells need proteins to carry out important functions.

Dimensions: height= 93", width= 96", depth= 60"
Electrical Components: flat screen television, digital video player, interactive digital audio player

ASSEMBLE THE PUZZLE: Put together the research puzzle by learning more about important fields of study. Visitors learn about various "-omics" that are part of current research.

Dimensions: height= 102", width= 350", depth= 10"
Electrical Components: two flat screen televisions, digital video player, interactive digital player



PRICING
\$ \$200 per exhibit or \$500 for all, for a period of 8 weeks. This includes the cost of delivery, set-up, and removal

EXHIBIT SPONSORS



First class seed. First name service.

ADDITIONAL SUPPORT PROVIDED BY



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PLANT GENOMICS

an exciting scientific expedition awaits investigators of all ages!

A Grout Museum District Traveling Exhibit