Programming

Divaneering offers innovative enrichment workshops to K-12 public schools and community organizations to engage girls in science, technology, engineering, and mathematics through unique Divaneering Design Challenges based on fashion, health, and beauty. Reaching nearly 500 students in Baltimore, Washington DC, Atlanta, Pittsburgh, Virginia, and Abu Dhabi UAE, Divaneering provides a gateway into the minds of young ladies who may not have been open to STEM while providing them with alternative perspectives of female scientist and engineers in the 21st century.

Divaneering explores the following STEM concepts: chemistry, biology, electrical engineering, forensics, civil engineering, mechanical engineering, and intellectual property.

Each workshop is comprised of two hours of instruction, implementation, and reflection. Custom supplies, and worksheets are provided for each student.

Curriculum

Instructions from the exclusive curriculum used in each workshop can be purchased with and without custom Divaneering materials to implement independently in the classroom. The curriculum includes two hours of detailed instructions including: Objectives, Ice Breaker, Background, Procedures, Construction, and Wrap-Up. Additionally, the custom Divaneering materials plus electronic instruction file can be purchased as a complete kit.

Current Divaneering Design Workshops

Color Your Smile: Students will learn about the physical states and properties of common household products by making their very own lip balm out of crayons.

Objectives:

- To expose students to the concept of temperature and changes in properties of matter as related to temperature.
- To expose students to chemical mixtures
- To expose students to scientific exploration and notes
- To encourage students to be creative thinkers

Intended Audience: Grades K-5

Fees:

Instructions Only (Electronic File)	$10
Color Your Smile Kit (Electronic Instruction File + Custom Materials for 20 students)	$200
Color Your Smile Workshop (Two hours of Instruction, Implementation, Reflection, and custom materials and worksheets)	$20/per student with a minimum of 20 student participants

Whose DNA is it anyway: Students will learn the basics of DNA by encoding and decoding the DNA of their favorite celebrity.

Objectives:

- To expose students to the basics of DNA
- To expose students to the construction of DNA models
- To challenge students to utilize inductive problem solving skills

Intended Audience: Grades 6-12

Fees:

Instructions Only (Electronic File)	$10
Whose DNA is it Anyway Kit (Electronic Instruction File + Custom Materials for 20 students)	$200
Whose DNA is it Anyway Workshop (Two hours of Instruction, Implementation, Reflection, and custom materials and worksheets)	$20/per student with a minimum of 20 student participants

Pretty Prosthesis: Students will learn about the basics of biomedical engineering and the technology of prosthetics by making their very own model of a prosthetic lower leg.

Objectives:

- To expose students to biomedical engineering
- To expose students to the technology of prosthetics
- To expose students to the engineering design process
- To challenge students to be creative thinkers

Intended Audience: Grades 3-5

Fees:

Instructions Only (Electronic File)	$10
Pretty Prosthesis Kit (Electronic Instruction File + Custom Materials for 20 students)	$200
Pretty Prosthesis Workshop (Two hours of Instruction, Implementation, Reflection, and custom materials and worksheets)	$20/per student with a minimum of 20 student participants

The Skin You're In: Students will learn about the fundamental elements that make up a eukaryotic skin cell by constructing an edible skin cell model.

Objectives:

- To expose students to cellular functionalities
- To expose students to cell models
- To encourage students to be creative thinkers

Intended Audience: Grades 3-5

Fees:

Instructions Only (Electronic File)	$10
The Skin You're In Kit (Electronic Instruction File + Custom Materials for 20 students)	$200
The Skin You're In Workshop (Two hours of Instruction, Implementation, Reflection, and custom materials and worksheets)	$20/per student with a minimum of 20 student participants

Shine Bright Like a Diode (Premium): Students will learn about the fundamental equation of circuits, Ohm's Law by making their very own LED earrings.

Objectives:

- To expose students to Ohms Law
- To expose students to the engineering design process
- To expose students to the construction of electric circuitry

- To encourage students to be creative thinkers

Intended Audience: Grades 6-12

Fees:

Instructions Only (Electronic File)	$10
The Skin You're In Kit (Electronic Instruction File + Custom Materials for 20 students)	$450
The Skin You're In Workshop (Two hours of Instruction, Implementation, Reflection, and custom materials and worksheets)	$30/per student with a minimum of 20 student participants

Rapunzel, Lift up your Hair Hon (Premium): Students will learn about structures by building the tallest beehive that can uphold a load and withstand wind forces.

Objectives:

- To expose students to structural engineering
- To expose students to the engineering design process
- To expose students to engineering project based learning
- To challenge students to think critically

Intended Audience: Grades 6-12

Fees:

Instructions Only (Electronic File)	$10
Rapunzel, Lift up Your Hair Hon Kit (Electronic Instruction File + Custom Materials for 20 students)	$450
Rapunzel, Lift up Your Hair Hon Workshop (Two hours of Instruction, Implementation, Reflection, and custom materials and worksheets)	$30/per student with a minimum of 20 student participants