

## FIELDTRIP BASICS

### Maximum Capacity

# 75

Including chaperons

### Adult-to-Child Ratio

Age 5-7 **1:3**

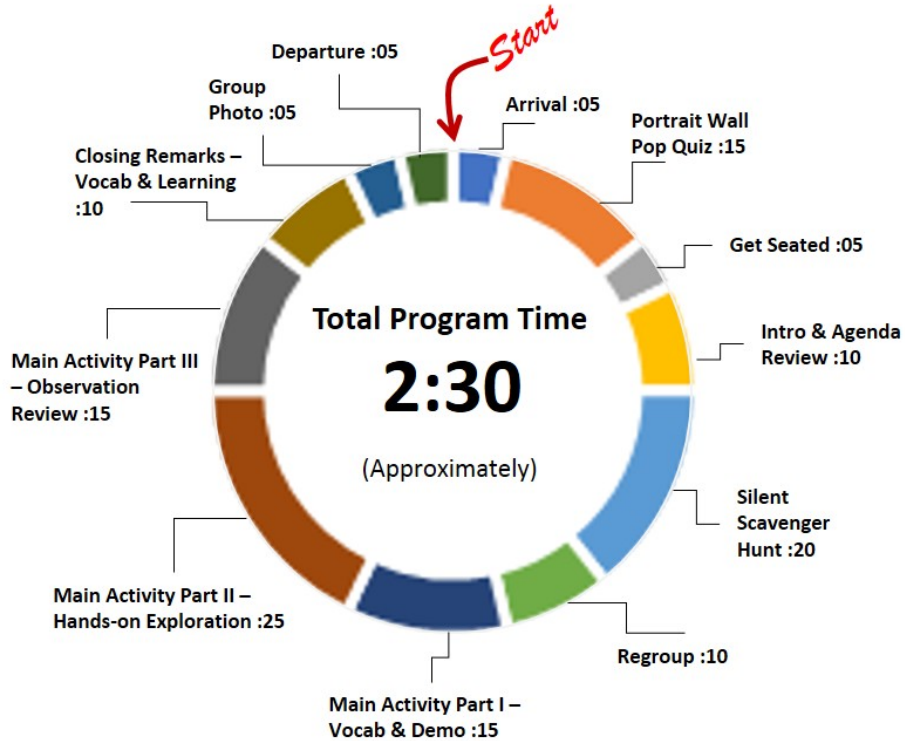
Age 8+ **1:5**

### Cost Range\*

# \$9 - \$12

\*Adults are free, \$300 minimum

## YOUR FIELDTRIP TIMELINE

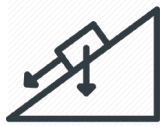


## MAIN ACTIVITY OPTIONS

### Choose One

Activities are adapted for your grade level. Please call to collaborate.

NGSS Connection



**Force & Gravity**  
PS2.A & PS2.B  
\$9/child



**Circuits**  
PS4.C  
\$12/child



**Chemical Reactions**  
PS1.B  
\$12/child



**Aerodynamics**  
PS2.A, PS2.B, ETS1  
\$9/child



**Lunch?**

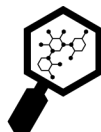
Not a main activity, but you're welcome to bring your packed lunches and eat here...or have lunch delivered from one of our lunch partners. We work with Go Brit!, Grotto's Pizza, and Pat's Pizza. Advanced ordering is required.



**Water Quality**  
LS2.C, ESS3.B  
\$12/child



**Renewable Energy**  
PS3.A, PS3.B, ESS3.A  
\$12/child



**Molecules**  
PS1.A  
\$10/child



**Forensics**  
LS4.A & LS4.D  
\$12/child

## PORTRAIT WALL

### POP QUIZ



Our portrait wall is filled with 27 inventors, scientists, engineers, technologists, and mathematicians from across many decades. Upon arrival, we will take 15 minutes to

get acquainted with our fellow STEM pioneers (old and new) to discover a few surprising facts that you might not already know. (Like Ben Franklin inventing swim fins at the age of 11!)

## THE SILENT SCAVENGER HUNT



Taking away audible communication forces us to be more resourceful in our communication methods, more observant of each other and our surroundings, and more thoughtful in our singular and collective actions. At its core, this team-based activity holds exciting discoveries of unique and interesting things related to STEM that we may never have seen before.



## MAIN ACTIVITY & BONUS LEARNING

All main activities are adapted to the grade level and are delivered in 3 segments:

- **Part 1** – Big Picture, Vocabulary, and staff-lead presentation/demonstration for the whole group
- **Part 2** – Hands-on exploration in teams, design engineering process, cross-cutting concepts
- **Part 3** – Team presentations/competitions, information sharing, comparative results analysis

Connections with the Next Generation Science Standards are not just embedded within each main activity. On this fieldtrip, you'll find science, quite literally, around every corner. Thanks to our portrait wall and silent scavenger hunt, students will discover tons of important information, lessons, and interesting items, like:

- Bean varieties
- Periodic table of elements
- Chemical compounds
- Fingerprint differences
- Plant cell structure
- Apollo 11 space suit info
- Scientific instruments
- How circuits look - up close
- Long-chain, cross-linked (slime) molecule structure
- Internal organs in action
- Great white shark facts
- ASCII Binary Code
- Telephone pole structure

