Interactive Children's Museum

ImagineU Field Trip Options

2010-2011

A. Self-Guided Exploration & Exploration Station-
Kindergarten through Second grade students will enjoy a combination of self-guided exploration as well as small group instruction at an Exploration Station. Choose from one of the labs listed below when you plan your field trip. ImagineU staff will set up and run the lab where small groups of students receive a mini-lesson and participate in hands-on exploration.

Cost: $3.00 per student* Teachers/Chaperones enter free of charge.

B. ImagineU Passport Field Trip- This field trip option is geared for the older elementary students (3rd-5th grade). Students will participate and be enrolled in the ImagineU Passport program. Please see details below. Teachers will choose 2-3 hands-on science labs offered in the ImagineU Passport program to be completed during the field trip. Students will then be encouraged to return to the museum to complete the rest of the ImagineU Passport.

Cost: $5.00 per student*. Teachers/Chaperones enter free of charge.

*Ask if Grant Funds are available for your group!

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A.

KINDERGARTEN/1st GRADE EXPLORATION STATIONS:

- **Pet Rock:** Observe, measure, weigh, describe and compare rocks.
  - ***Related Standards (Kindergarten and First grade):*** *Algebra and Functions, Measurement and Geometry, Science Investigation and Experimentation*

- **Plant Party:** Explore plant structure and growth; observe and describe leaves.
  - ***Related Standards (Kindergarten and First grade):*** *Measurement and Geometry, Statistics, Data Analysis and Probability, Life Sciences*

• 2ND/3rd GRADE EXPLORATION STATIONS:

- **Rockin' Rocks:** Become a geologist and learn how to take "field notes" while learning about the properties of rocks and minerals.
  - ***Related Standards (Second grade):*** *Earth Sciences,* ***(Second and Third grade):*** *Investigation and Experimentation*

• 3rd/4th GRADE EXPLORATIONS STATIONS:

- **Static Strokes:** Create and experiment with static by 'charging' up balloons and plastic wrap. Predict, observe and record what happens to objects such as hair, paper clips, Styrofoam, paper, foil, salt, and thread when placed near statically charged objects.
  - ***Related Standards: (Third-Fourth): Physical Science Standards***

B. IMAGINEU PASSPORT

The ImagineU Museum is proud to present its latest hands-on program called *ImagineU Passport*. This program includes a series of 17 science lab activities. All activities in the *ImagineU Passport* are correlated with the 2nd -5th grade California State Science Standards and the museum's current exhibits. During a field trip, students will complete two to three *ImagineU Passport* labs chosen by the classroom teacher, as well as have some time for self-guided exploration. Students will also be able to take various *ImagineU Passport* lab activities with them and will be automatically enrolled in the *ImagineU Passport* Program. The *ImagineU Passport* is intended to inspire participants to further their science knowledge by returning to the museum and completing the entire *ImagineU Passport* program.

- *Please choose **two** or **three** of the following labs for your field trip.*

EXHIBIT: *PLUG IT IN* (1)

1. "Path Finders"-- Explorers will make an electrical circuit.
   Science Standard: 4ps1.a

2. "Sparky's Light Kit"-- Explorers will discover how to make a complete circuit that lights a bulb using simple materials.
   Science Standard 4ps1.g

3. " Make a Switch"-- Explorers will make an electrical circuit.
   Science Standard: 4ps1.a

EXHIBIT: *COW*

4. "Make A Compass" -- Explorers will construct a magnetic compass with a magnetized needle. *Science Standard 4ps1.b*

5. "Holding Power"-- Explorers will have a variety of experiences with magnet strength. *Science Standard 4ps1.f*

6. "Mining With Magnets"-- Explorers will use a magnet to obtain iron bits from sand and soil; then, they will compare these two quantities to see which is a better source of iron bits. *Science Standard 4ps1.f*

EXHIBIT: *PLUG IT IN* (II)

7. "Static Magic"-- Explorers will have a variety of experiences with static electricity. *Science Standard 4ps1.e*

8. "Different Strokes"-- Explorers will experiment with static electricity and discover some of its properties. . *Science Standard 4ps1.e*

EXHIBIT: *MEDICAL AND DENTAL CENTER*

9. "Say Ah!"- Explorers will learn about their teeth. *Science Standard 5ls2.c*

10. "I've Got Rhythm" -- Explorers learn that the heart rate increases as exercise becomes more strenuous. *Science Standard 5ls2.b*

11. "The Food Tube" -- Explorers will make a model of a human digestive system. *Science Standard 5ls2.c*

EXHIBIT: *ROCKS AND MINERALS*

12. "Major Mohs' Mishap"-- Explorer will observe minerals, identify minerals based on tests, and use a key to identify. *Science Standard 4es4.b*

EXHIBIT: YOKUT/*NATIVE PLANT GARDEN*

13. "Seed Search" -- Explorers will compare the physical characteristics of seeds. *Science Standard 2ls2.f*

EXHIBIT: *DIGGIN' IT*

14. "Rain Away"-- Explorer will observe the effect of erosion caused by rain on a bare hillside, compared to a hillside with vegetation. *Science Standard: 4es5.a/c*

15. "What Makes Soil?"-- Explorers will explore the components of different soil samples. *Science Standard: 2es3.c*

16. "Settling on Sediments"— Explorers will model and observe how some sedimentary rocks are formed. *Science Standard: 2es3.a/4es4.a*

Exhibit: *KALEIDOCORNER*

17. "Make A Kaleidoscope"— Explorers will build their own kaleidoscope. *Science Standard:3ps2.b-d*

To book a field trip, plesae call Virginia Strawser, ImagineU Museum Director at (559) 733-5975.