



CHILDREN'S  
MUSEUM  
— OF VIRGINIA —  
PORTSMOUTH

Children's Museum Explorer  
(For visitors 5<sup>th</sup> grade and older)

**1<sup>st</sup> Floor**

1. Go to the *Bubbles Room*. After making some bubbles, what would you change about the bubble solution to make the bubbles last longer in the air?

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2. Staying in the *Bubbles Room* go to the "*Volume*" exhibit. Look at the liquid, spin the wheel so you can see what the liquid looks like in the opposite container.

Why does the liquid look purple in one container and blue in the other?

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3. Go to the *Music Shop*. To make sound you need what? \_\_\_\_\_

Place one hand on the fence post as the other holds the mallet. Gently hit each fence post to feel the differences in movement between each one. Describe the post that moved the fastest.

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Describe the post that moved the slowest.

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4. Choose an instrument in the *Music Shop*. Which one did you choose? \_\_\_\_\_

Describe how a musician can use this instrument to create a sound.

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**2<sup>nd</sup> Floor**

5. Go to *Dr. Forces Travelling Energy Extravaganza* and find "Harry Elephante." With a partner, estimate how many inches the lever is from the end of the handle to the elephant's knee.

What is your estimated length in inches? \_\_\_\_\_

How did you come up with this estimation?

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Using your ruler measure the length. As you can see you can't measure it exactly, but try to be as accurate as possible. What is the actual length that you measured? \_\_\_\_\_

What would you change about this experiment to make it as accurate as possible?

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6. In *Dr. Forces Travelling Energy Extravaganza*, go to "It's a Blast", with a partner on the opposite side, fill two bottles with air and see how high each bottle goes.

Did they both fly to the same height? \_\_\_\_\_

What can you change to make them go to the same height? Your hypothesis is:

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What was the result?

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If you did not get them to fly to the same height keep trying. What finally worked?

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7. Go to *My Backyard and Beyond*, at the "Who and What Was Here Before" exhibit.

What types of artifacts do you see? \_\_\_\_\_

What does this exhibit tell you about past inhabitants?

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What will you do to reduce your impact?

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Explore the museum.

8. What exhibit was most interesting to you and why?

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Thanks for visiting the Children’s Museum of Virginia today! | [www.ChildrensMuseumVa.com](http://www.ChildrensMuseumVa.com)