Pre field trip suggestions for

My Robot Bug

Grade: 2

Using a cute, clever and codeable Blue-Bot, students will explore the possibilities unleashed by an understanding of the language of computers.

K-12 Computer Science Framework: 2nd Grade – Algorithms & Programming

During the Discovery Lab students will be expected to:

- Sit in groups of 4 and work cooperatively with others at the table.
- Students should be prepared to give their full attention to the Lab instructors when given the quiet signal.
- Follow the hands-on procedures just as the Lab teacher or assistant explains them and handle materials and equipment carefully.

It is important that teachers and chaperones:

- Help focus the students' attention.
- Assist students with lab activities through questioning allowing the student to do the programming and robot use. For example a parent might ask, "What did you notice when you pushed that button?"
- Engage students at a higher level by asking open-ended questions throughout the class. For example: why did you choose ____?
- Turn off cell phones and other electronic devices during the class.

Literary connection:

To get students excited about the upcoming Discovery lesson we suggest reading the following story with your students: *Your Very Own Robot* by R. A. Montgomery. *Your Very Own Robot* by R. A. Montgomery will take your student on a zany adventure with robot Gus. As your students help you choose your adventure you might find yourself sailing the high seas, soaring into space, and saving Gus from the junkyard! The power of storytelling will be in your student's hands. After building Gus, do you turn him on right away or paint him first? Do you ask your parents for help? What will your friends say if you bring him to school? Although our robots will not be nearly as sophisticated as Gus, we like this book's potential to get kids excited about robotics.