

# NEMO

## *Field Trip Logistics Guide*



### **Before you visit – booking logistics:**

- Attend the two NEMO workshop sessions, if you have not attended them in the past.
  - Part 1: Classroom Aquarium
  - Part 2: NEMO Overview
- Sign and return the Reservation Confirmation at least seven days prior to your trip.
- Submit a CMSD bus request form through your school.
  - GCA will submit paperwork for bus payment, please indicate you are attending the NEMO program on your request.
  - 10:00am arrival and 1:30pm departure are ideal. Please let us know if you need to shorten or lengthen your visit to accommodate specific needs of your school.
- Request student lunches through your school. Please notify us if you plan to purchase items from the Nautica Café in the building. Lines will move more quickly if we are able to notify our staff in advance.

### **Before your visit – student preparation:**

- Have students complete the pre-program survey questions. Student survey can be accessed: on pages 5-6. These surveys should be administered before starting any of the NEMO curriculum lessons. Bring completed surveys with you to your aquarium visit.
- Assign habitat research groups (rivers & lakes, coral reef, and open ocean).
  - Students will work with this group during the build-a-fish activity.
  - A group size of 4-5 students works best. You may need to have multiple groups research the same habitat (i.e. two coral reef groups).
  - A habitat group assignment sheet is provided on page 4.
- Complete the pre-visit lessons provided in the NEMO Curriculum Guide.
  - Lesson 1: Building a Lapbook
  - Lesson 2: Learning with the Lapbook
  - (Lessons 3, 4, 6, & 7 can be completed before or after the visit)
- Review and share the student and chaperone expectations provided on page 3.

### **Day of your visit:**

- Review and share the student expectations and chaperone tips.
- Students should bring the following items:
  - Lapbook
  - Student Research Notebook
  - Pencil
  - Lunch
- Teachers should bring the following items:
  - Completed student pre-surveys
  - Habitat group assignment sheet
  - Student emergency contact information: we have a first aid station, but do not have a nurse on site.
- Please have an accurate head count of students and chaperones. Designate one person to check in with an education staff member upon arrival.

### **NEMO GCA Visit Itinerary:**

- Program introduction in classroom
- Read a Fish: Aquarium Exploration (guided tour)
- Lunch
- Build a Fish STEM Activity

### **Other Information:**

- If time allows, you are welcome to re-visit the aquarium galleries after the program. Please make sure students are chaperoned during this time.
- At the end of the visit, your class is also welcome to visit the aquarium gift shop. We have gift items beginning at \$1.50. Please allow additional time for shopping, this time is not built into the suggested program itinerary.

### **After your visit:**

- Complete the remaining lessons from the NEMO Curriculum Guide
  - (Lessons 3, 4, 6, & 7 can be completed before or after the visit)
- Please complete and return the student post-program surveys.
  - Surveys can be accessed on pages 7-8.
  - Surveys should be administered after all NEMO lessons. If you did not have a chance to finish all 7 lessons, please still administer and return the surveys.
- Please fill out the teacher program evaluation. Responses help us modify and improve the experience for your students. They also help us continue this grant-funded opportunity.
  - Survey can be accessed <https://www.surveymonkey.com/r/LQ5RVCR>
- Continue your aquarium learning experience back in the classroom by continuing to monitor your classroom aquarium.

### **Questions?**

- Email: [education@greaterclevelandaquarium.com](mailto:education@greaterclevelandaquarium.com)
- Call: 216-862-8803 x 7703

# Student Expectations



## Be Safe:

- Stay with your chaperone at all times while in the aquarium, gift shop, and café.
- Please walk at all times while indoors; running is not acceptable.
- Please view exhibits safely, do not climb or swing on exhibit ropes and structures.
- Follow all instructions given by teachers and aquarium staff.

## Respect other guests:

- Please be patient and kind, take turns to view exhibits and use step stools.
- Remember to use your indoor voice.
- Keep your hands to yourself.

## Respect the animals:

- View animals from a safe distance. Do not push, tap or pound on exhibit glass.
- Use your Lapbook or clipboard as a writing surface; writing on the tanks will scratch the acrylic.
- Please turn off the flash when taking photos.
- Follow instructions on how to safely touch animals.
  - Only touch animals if instructed by aquarium staff.
  - Please use two fingers and be gentle.
  - Only touch parts of an animal where staff says it is safe.
  - When at the stingray touch pool, only submerge your hand wrist deep.

## Have fun!

# Chaperone Expectations

## A ratio of 1 chaperone for every 10 students is required.

- Please stay with your students at all times when in the aquarium, gift shop, and café.
- Know which students are in your group and take a head count when leaving each gallery.
- Be familiar with the student expectations. We appreciate your help in reminding students of these rules.
- Take an active role in the students' learning experience.
  - Help focus students on tour guide and aquarium activities.
  - Be engaged in programming; students will follow your lead.
  - Encourage students to slow down and observe. Point out interesting animals or behaviors that you see.
  - Ask questions to provoke thought and positive learning.
- If you are unable to answer a question, or are unsure of aquarium policy, please ask our aquarium staff. We are happy to assist.

*Thank you! We appreciate your help!*

# NEMO



## *Habitat Group Assignments*

### **Group One: Rivers & Lakes**

- 1.
- 2.
- 3.
- 4.
- 5.

### **Group Two: Coral Reef**

- 1.
- 2.
- 3.
- 4.
- 5.

### **Group Three: Open Ocean**

- 1.
- 2.
- 3.
- 4.
- 5.

### **Group Four: Rivers & Lakes**

- 1.
- 2.
- 3.
- 4.
- 5.

### **Group Five: Coral Reef**

- 1.
- 2.
- 3.
- 4.
- 5.

### **Group Six: Open Ocean**

- 1.
- 2.
- 3.
- 4.
- 5.

### **Group Seven: Rivers & Lakes**

- 1.
- 2.
- 3.
- 4.
- 5.

### **Group Eight: Coral Reef**

- 1.
- 2.
- 3.
- 4.
- 5.

### **Group Nine: Open Ocean**

- 1.
- 2.
- 3.
- 4.
- 5.

School Name:

## NEMO Pre-Program Survey

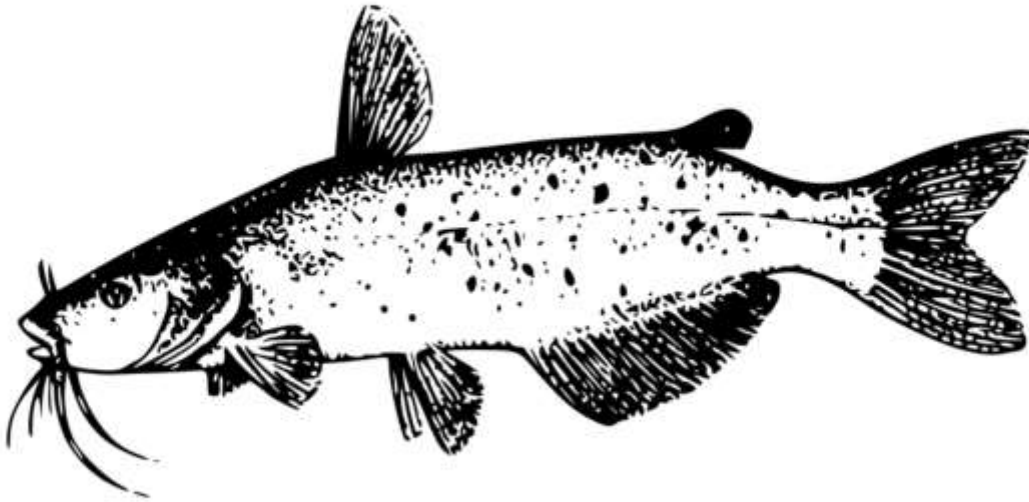
Before you go to the Aquarium, the staff would like for you to answer these questions to learn a little bit about you. There are no right or wrong answers-only what you think. If you don't want to answer something, that's OK! Please do NOT put your name on this.

Please circle the number that best describes what you think about each of the items. If you agree, you'd circle 5 (Totally, YES). If you disagree, you'd circle 1 (No way). If you are unsure, circle 3. If you think you might agree, but not totally, circle 4. If you think you might disagree, but not totally, circle 2.

	<b>No way!</b>		<b>Totally, YES!</b>		
<b>Science is something I get excited about.</b>	1	2	3	4	5
<b>Observation is an important skill for science.</b>	1	2	3	4	5
<b>I know what a habitat is.</b>	1	2	3	4	5
<b>Different habitats have different living and non-living things.</b>	1	2	3	4	5
<b>Fish survive in different ways based on what habitat they live in.</b>	1	2	3	4	5
<b>Coral reef fish typically have dull, dark colors.</b>	1	2	3	4	5
<b>Adaptations can be both physical and behavioral.</b>	1	2	3	4	5
<b>I can learn a lot about a fish and how it lives just by looking at it.</b>	1	2	3	4	5
<b>A fish with an upturned mouth will eat on the bottom of the habitat.</b>	1	2	3	4	5
<b>Fish will behave differently if there are changes to the environment.</b>	1	2	3	4	5
<b>I want to visit Aquariums more often.</b>	1	2	3	4	5

Turn the page OVER

Look at the picture of the fish. Use the spaces below to list anything you notice about the fish. Describe how you think the fish's adaptations help it live in its habitat.



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School Name:

## NEMO Post-Program Survey

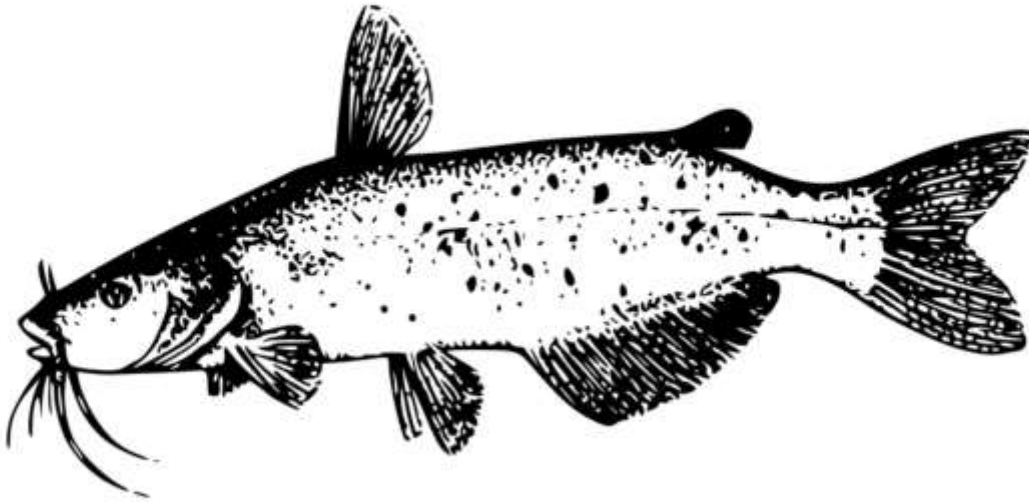
We hope you had a good time during your visit to the Aquarium. We would like you to complete this survey so we can learn what you got from this experience. There are no right or wrong answers-only what you think. If you don't want to answer something, that's OK! Please do NOT put your name on this.

Please circle the number that best describes what you think about each of the items. If you agree, you'd circle 5 (Totally, YES). If you disagree, you'd circle 1 (No way). If you are unsure, circle 3. If you think you might agree, but not totally, circle 4. If you think you might disagree, but not totally, circle 2.

	<b>No way!</b>		<b>Totally, YES!</b>		
	1	2	3	4	5
<b>Science is something I get excited about.</b>	1	2	3	4	5
<b>Observation is an important skill for science.</b>	1	2	3	4	5
<b>I know what a habitat is.</b>	1	2	3	4	5
<b>Different habitats have different living and non-living things.</b>	1	2	3	4	5
<b>Fish survive in different ways based on what habitat they live in.</b>	1	2	3	4	5
<b>Coral reef fish typically have dull, dark colors.</b>	1	2	3	4	5
<b>Adaptations can be both physical and behavioral.</b>	1	2	3	4	5
<b>I can learn a lot about a fish and how it lives just by looking at it.</b>	1	2	3	4	5
<b>A fish with an upturned mouth will eat on the bottom of the habitat.</b>	1	2	3	4	5
<b>Fish will behave differently if there are changes to the environment.</b>	1	2	3	4	5
<b>I want to visit Aquariums more often.</b>	1	2	3	4	5

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