



*John D. O'Bryant*  
*NJROTC*

Plan of the Week

**January 19, 2020 - January 25, 2020**

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**Contact information**

Senior Naval Science Instructor: **Commander Sturges:** [msturges@bostonpublicschools.org](mailto:msturges@bostonpublicschools.org)

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<b>Executive Officer:</b> Juliana Tamayo (781) 492-1347	<b>Commanding Officer:</b> Jorge Ubiñas (617) 697-7231	<b>Adjutant:</b> Samantha Flores (857) 406-6650
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**Bullying & Hazing:** C/LCDR Ubiñas, Jorge  
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**Sexual Harassment:** C/LT Tamayo, Juliana  
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**BPS Safe Space and Bullying & Bullying Prevention Hotline:** (617) 592-2378

**National Suicide Prevention Hotline:** 1 (800) 273-8255

**Chain of Command:**

Operations Officer: William Doyle  
Senior Chief: Jahne Shepherd  
Admin Officer: Monica Tran  
Supply Officer: Kevin Magaña  
Public Affairs Officer: Mariah Wharwood  
Master at Arms: Michael Mangum  
First Lieutenant: Vialexa Vasquez

**Drill Captains:**

Overall Drill CDR: Samantha Flores  
NS1 CDR: Saniya Antoine  
Unarmed CDR: Ciarra Frederick  
Armed CDR: William Doyle  
Color Guard CDR: Maureen Baumiller  
PT CDR: Noah Boudreau  
Academic CDR: Samantha Flores  
Inspection CDR: Juliana Tamayo



**Quote of the Week:**

*“Never discourage anyone... who continually makes progress, no matter how slow.”*  
- Confucius

**Tips of the Week:**

- There is a cleaning roster on the back of the plan of the week. Check the dates that you are cleaning the classroom, and make sure you show up, the unit runs better with everyone’s efforts.
- We are now kicking it into full gear as a unit to prepare for AMI. Please go to practice as it is essential not only to the unit doing well at AMI, but also for your grade on ASPEN
- Our unit will be holding a bake sale on the 22nd of January, please sign up to bring items, and or sign up to help at the bake sale!

<p><b><u>General Military Training:</u></b></p> <p>The Commanding Officer of a ship is addressed</p> <ul style="list-style-type: none"> <li>a) As “captain” regardless of rank (Correct)</li> <li>b) As “Mr/Mrs”</li> <li>c) As “Sir/Ma’am” regardless of rank</li> <li>d) As his/her rank</li> </ul>	<p><b><u>Upcoming Events:</u></b></p> <p>January 22: Bake Sale</p> <p>February 14: AMI</p> <p>February 17-20: New York Field Trip</p> <p>February 26: Bake sale</p> <p>March 18: Bake sale</p> <p>April 29: Bake Sale</p> <p>May 20: Bake sale</p> <p>June:10: Bake sale</p>
<p><b><u>Jokes of the Day:</u></b></p> <ol style="list-style-type: none"> <li>1. <b>Why was Jake unbothered at the petting zoo?</b> Because it was no “prob-llama.”</li> <li>2. <b>Why did the ghost to the bar?</b> For the boos.</li> <li>3. <b>What do you call a bear with no ears?</b> “B”</li> <li>4. <b>Are you French? Because Eiffel for you.</b></li> </ol>	<p style="text-align: center;"><b><u>Activity of the Day</u></b></p> <p>Hope everyone got a restful three-day weekend. However, we are back at school, so lets zone away for a minute and play a quick game of tic tac toe.</p>

**Weekly Schedule:**

<b><u>Commander</u></b>	<b><u>Monday</u></b>	<b><u>Tuesday</u></b>	<b><u>Wednesday</u></b>	<b><u>Thursday</u></b>	<b><u>Friday</u></b>
<b><u>NS-3</u></b>	Holiday	Military Law	Military Law	Military Law	Military Law
<b><u>NS-4</u></b>	Holiday	Ethics Maritime History Revolutionary War	Ethics Maritime History Revolutionary War	Ethics Maritime History Revolutionary War	Ethics Maritime History Revolutionary War

<b><u>Chief</u></b>	<b><u>Monday</u></b>	<b><u>Tuesday</u></b>	<b><u>Wednesday</u></b>	<b><u>Thursday</u></b>	<b><u>Friday</u></b>
<b><u>NS1/Period 1</u></b>	Holiday	Issue Uniforms	Issue Uniforms	-Wellness/BPAC/HR C -Uniform Inspection	Basic Drill/ AMI Practice
<b><u>NS2/Period 2</u></b>	Holiday	-Ch.2/ Section 2; The Crucial Years 1777 Slides #1-30	-Ch. 2/ Section 2; The Crucial Years 1777 Slides #31-65	-Wellness/BPAC/HR C -Uniform Inspection	Basic Drill/ AMI Practice
<b><u>NS1/Period 3</u></b>	Holiday	-Ch.1/ Section 4. NJROTC Unit Activities Slides #1-30	-Ch.1/ Section 4. NJROTC Unit Activities Slides #31-54	-Uniform Inspection	Basic Drill/ AMI Practice
<b><u>NS2/Period 4</u></b>	Holiday	-Ch.2/ Section 2; The Crucial Year 1777	-Ch.2/ Section 2; The Crucial Year 1777	-Wellness/BPAC/HR C -Uniform Inspection	Basic Drill/ AMI Practice
<b><u>NS1/Period 5</u></b>	Holiday	-Ch.1/Section 3; Core Values and Curriculum Slides #1-30	-Ch.1/Section 3; Core Values and Curriculum Slides #31-57	-Uniform Inspection	Basic Drill/ AMI Practice

## **This Week in Naval History:**

### **January 18**

**1879** - USS Constitution, while sailing back to the U.S. from France, ran aground off Bollard Head on the south coast of England. She was towed to the Portsmouth Navy Yard and placed in Dry Dock 11 for inspection. The 82-year-old frigate survived the grounding and only needed to have 85 feet of her false keel replaced and several sheets of underwater copper. She resumed her voyage home on January 24th.

**1885** - A Marine guard from steamer USS Alliance lands at Colon, Panama, (then in Colombia) to guard the railroad and to protect American lives and property during a period of political unrest.

**1911** - The first aircraft landing onboard a ship takes place when pilot Eugene Ely lands onboard the armored cruiser USS Pennsylvania while anchored in San Francisco Bay, Calif., and then makes a return flight back to Tanforan Field in San Francisco.

# IMPORTANT NOTES:

Like I said, I will keep this on the plan of the week until the forms are brought in: Make sure you turn in all of your forms, if you look outside of the office or on the bulletin board in the classroom there is a master list of all the important forms. If there is a blank where your name is for a form, that means you haven't turned it in, and you need to contact Chief Barros, or the Admin Department to get it fixed immediately.

Guys, please start coming to AMI practice. This is going towards your grade and you will receive a zero for missing practice without an excuse. If you cannot make it to practice **find some type of way to contact your platoon commander (it takes like 2 minutes or less to send a text)**. The list of the platoons is in the classroom and right outside the office, check what platoon you are in and start. Coming. To. Practice. Do your part in the unit to help AMI go by very smoothly.

Lastly, department check ups are coming up in the following week. C/LT Tamayo, will be in contact with each department very soon.

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Submitted by OPS XO,  
Maureen Baumiller

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Reviewed by XO,  
Juliana Tamayo

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Reviewed by CO,  
Jorge Ubiñas

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Approved by Chief Barros/CDR Sturges

## Bullying, Sexual Harrasmment, and Suicide Prevention

**Bullying:** To seek or to harm, intimidate, or coerce somebody and make them feel vulnerable.

When someone is being bullied, they are being consistently intimidated by someone for various reasons. However, there is no valid reason to bully someone. Ever. Bullying has had a ton of horrible consequences not only in younger kids in grade school, but a great portion of teenagers. The suicide rates in America have gone up so high in America as time has went on. Many teens who are bullied find themselves in a tough position, they might not know whether to stand up for themselves, tell someone or even retaliate. And so, many go about their day being harrassed by bullies and suffering in silence. The John D. O'Bryant has a ZERO tolerance for bullying, whether is verbal, physical or cyber as there are very serious consequences for bullying your peers. Which is why in our Unit we have someone to go if you feel as though you are being bullied or think someone is being bullied in order to report it.

**Suicide:** The act of intentionally causing one's own death

Like stated earlier, suicide rates in America have risen as time went by. The rates in teens, especially have gone up. There are many reasons and warning signs that contribute to one taking their own life. Bullying is one of the major reasons why and often times those who are bullied show warning signs heading in the direction of harming themselves. Warning signs include, social withdrawal, loss of interest in activities or change in behavior. If you see someone who is going through these warning signs, please speak to a trusted adult, or to our Suicide Prevention conselour in our unit.

**Sexual Harassment:** behavior characterized by the making of unwelcome and inappropriate sexual remarks or physical advances in a workplace or other professional or social situation.

The John D. O'Bryant also has a ZERO tolerance policy for sexual harassment, everyone should feel safe to come to school and not feel vulnerable about their body. No one should be touching or making inappropriate remarks about anotherone's body. This can make someone feel very uncomfortable in a professional area such as school. Whether it's a joke about someone or touching in a flirtatious manner, it is completely wrong. Which is why as a community we must come together to make sure no one feels uncomfortable at school.

## **Volcanic gas bursts probably didn't kill off the dinosaurs**

A new timeline exonerates the Deccan Traps eruptions in a mass extinction 66 million years ago



Massive gas bursts emitted by volcanoes about 66 million years ago probably couldn't have caused a mass extinction event that spelled doom for all nonbird dinosaurs, new research suggests.

Data on ancient temperatures, combined with simulations of the shifting carbon cycle in the ocean, lend support to the hypothesis that a giant asteroid impact — not toxic gases emitted by Deccan Traps eruption — was primarily responsible for the die-off, researchers report January 17 in *Science*.

About three-quarters of Earth's plant and animal species were killed off during the extinction event at the end of the Cretaceous Period. Sediment deposits linked to the giant asteroid impact, which struck Chicxulub in what now Mexico's Yucatan peninsula, form a layer known as the "KPg" boundary. This boundary marks the transition from the Cretaceous to the Paleogene Period, and implicates the asteroid strike in the extinction event (*SN: 1/25/17*).

But the Deccan Traps eruptions, which spewed as much as 500,000 cubic kilometers of lava across much of what's now western India, also occurred within a million years of the extinction. sussing out the true killer has been challenging, because the precise timing of the Deccan Traps eruptions has been uncertain. Scientists previously have focused on dating the rocks — either zircon crystals embedded within ash layers between flows of lava (*SN: 12/11/14*), or outcrops of the lava itself (*SN: 2/21/19*). Those efforts have resulted in a range of different dates for the eruptions, some before and some after the extinction.

Furthermore, the real dino killer wouldn't have been the lava — it would have been the volcanic gases: carbon dioxide heating the planet or sulfur dioxide acidifying the oceans. “It's the outgassing that's important, but it's really hard to pin that down,” says Pincelli Hull, a paleoceanographer at Yale University.

Sudden, huge bursts of CO<sub>2</sub> and sulfur dioxide have climate-altering power — and could have come either from the asteroid impact or from the eruptions (*SN: 11/2/17*). So pinning down the timing of Deccan Traps outgassing could help solve the longstanding debate.

Hull and her colleagues turned to the temperature record preserved in sediment cores from the bottom of the ocean, and created a timeline of global temperature shifts spanning several hundred thousand years before, during and after the extinction event. The researchers then examined five different scenarios for when the Deccan Traps may have erupted, and compared them with the known temperature data.

Only two of the scenarios matched the observed temperature data, Hull's team found— and neither scenario could have caused the extinction. In one scenario, the bulk of the eruptions occurred several hundred thousand years before the KPg, causing a blip of intense warming that

was over long before the actual die-off. In the second scenario, half of the eruptions occurred before the KPg, and half after. But the temperature data suggest that any climate-altering impact immediately after the KPg would largely have been muted by shifts in the ocean carbon cycle.

Those shifts are related to calcareous plankton, tiny, floating, carbonate shell-building creatures. Plankton arose during the Mesozoic Era, but became especially abundant when the Cretaceous began about 145 million years ago. They were so ubiquitous, in fact, that their life cycle — building their shells using dissolved calcium carbonate in the seawater, then dying and sinking to the seafloor — profoundly altered the ocean's carbon cycle during the Cretaceous. The sinking shells were responsible for as much as half of the global transfer of carbon from the surface ocean to the deep during the Cretaceous, keeping the carbon cycle humming.

But the KPg extinction wiped out almost all plankton, so the dissolved calcium carbonate stayed where it was in the surface ocean waters. Calcium carbonate is also a powerful buffer against acidification, which occurs when the ocean absorbs excess CO<sub>2</sub> from the atmosphere. So even if the second scenario does explain the die-off, and the volcanoes emitted more CO<sub>2</sub> after the extinction, the oceans likely neutralized a lot of it, muting its effect on global temperatures.

In other words, Hull says, “the mass extinction so affected global ecosystems that it hid the outgassing.”

The new study “used really unique methods to try to answer that question” about what caused the mass extinction event, says Courtney Sprain, a geoscientist at the University of Florida in Gainesville. “Their conclusions [about the timing of the outgassing] make sense.”

That doesn't necessarily mean that previous geochemical dates determined for the Deccan Traps lava flows were incorrect, Sprain notes. The same technological advances that made high-precision dating of the Deccan Traps possible were also responsible for revealing that there might have been a lag between lava flows and outgassing, she says.

Understanding why there might be a timing difference between lava and gas bursts is an active area of research in volcanology, she says. "There are still quite a few questions about how any volcanic system erupts."