



Lesson Plans & Curriculum-based Activities

Helpful tools to extend the magic before and after the mission



Name _____

Infinity Knights Job Application

In the near future you will embark on an exciting Dream Flight Adventures mission. You and your peers will become members of the *Infinity Knights*, the protectors of peace and justice throughout the universe. Together, you will operate a fantastic ship to accomplish a challenging mission. It will not be easy, and you will need to work as a team to be successful.

It is a great honor to serve with the *Infinity Knights*, and every station on your ship is important. Review the ship's stations at www.DreamFlightAdventures.com/simulators/. Pay attention to how your crew must work together and think about the stations that interest you most.

Identify the three stations where you'd most like to serve. Write a persuasive essay describing why you'd be a good choice for these positions. Describe why you are interested in the roles and how you think you would do a good job. Share how these positions relate to past experiences you've had or goals you have for the future. Use the space below or separate sheets of paper to write your persuasive essay.



Name _____

Pre-Mission Diary

Read the *Mission Introduction* for your upcoming Dream Flight Adventures mission. Write a journal entry describing how you feel about the mission. What do you think it will be like? What will you do? What challenges will you face, and how do you plan on handling them? Use the space below or a separate sheet of paper if you need more room.

[illegible]



Metric Mania Conversion Practice

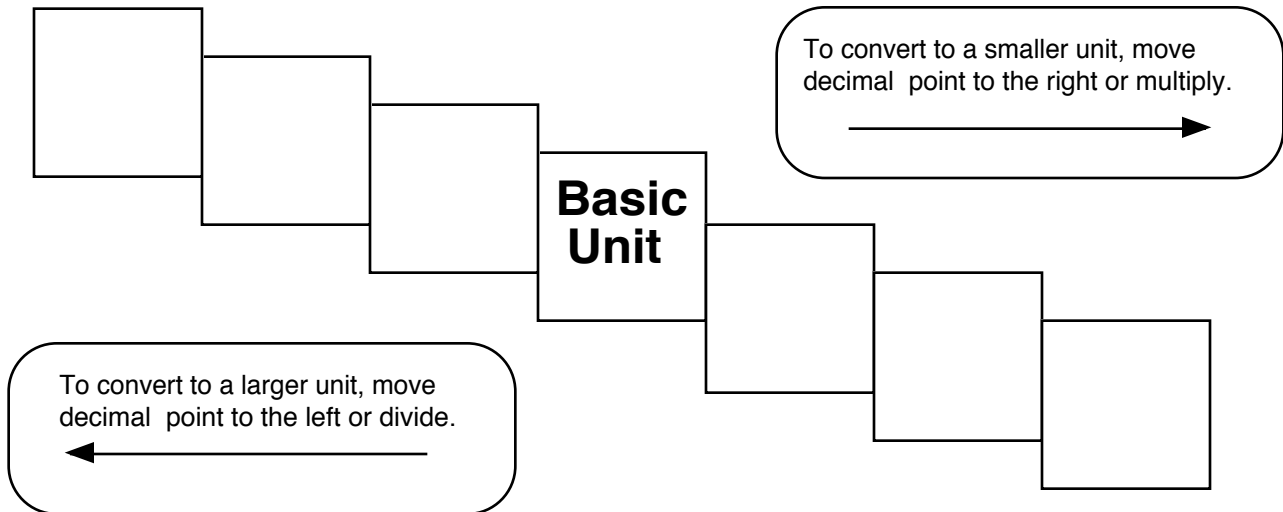
During the *Lusitania* simulation, students will learn about metric measurements isotopes and apply their understanding to identify marine animals. To build upon this learning, considering using the following hands-on project, provided by our partners at sciencespot.net.

This project can be done either **before** or **after** the *Lusitania* simulation.

Metric Mania

Conversion Practice

Name _____



Try these conversions, using the ladder method.

$$1000 \text{ mg} = \underline{\hspace{2cm}} \text{ g}$$

$$1 \text{ L} = \underline{\hspace{2cm}} \text{ mL}$$

$$160 \text{ cm} = \underline{\hspace{2cm}} \text{ mm}$$

$$14 \text{ km} = \underline{\hspace{2cm}} \text{ m}$$

$$109 \text{ g} = \underline{\hspace{2cm}} \text{ kg}$$

$$250 \text{ m} = \underline{\hspace{2cm}} \text{ km}$$

Compare using $<$, $>$, or $=$.

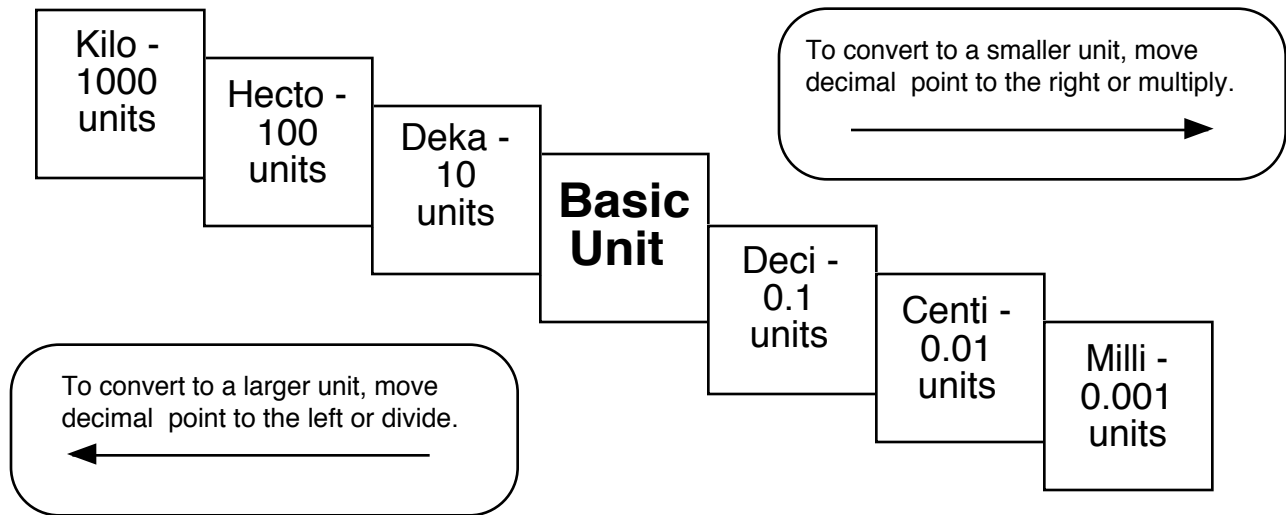
$$56 \text{ cm} \bigcirc 6 \text{ m}$$

$$7 \text{ g} \bigcirc 698 \text{ mg}$$

Metric Mania

Conversion Practice

Overhead Copy



Try these conversions, using the ladder method.

$$1000 \text{ mg} = \underline{\hspace{2cm}} \text{ g}$$

$$1 \text{ L} = \underline{\hspace{2cm}} \text{ mL}$$

$$160 \text{ cm} = \underline{\hspace{2cm}} \text{ mm}$$

$$14 \text{ km} = \underline{\hspace{2cm}} \text{ m}$$

$$109 \text{ g} = \underline{\hspace{2cm}} \text{ kg}$$

$$250 \text{ m} = \underline{\hspace{2cm}} \text{ km}$$

Compare using <, >, or =.

$$56 \text{ cm} \bigcirc 6 \text{ m}$$

$$7 \text{ g} \bigcirc 698 \text{ mg}$$

Conversion Challenge**Write the correct abbreviation for each metric unit.**

1) Kilogram _____

4) Milliliter _____

7) Kilometer _____

2) Meter _____

5) Millimeter _____

8) Centimeter _____

3) Gram _____

6) Liter _____

9) Milligram _____

Try these conversions, using the ladder method.

1) 2000 mg = _____ g

6) 5 L = _____ mL

11) 16 cm = _____ mm

2) 104 km = _____ m

7) 198 g = _____ kg

12) 2500 m = _____ km

3) 480 cm = _____ m

8) 75 mL = _____ L

13) 65 g = _____ mg

4) 5.6 kg = _____ g

9) 50 cm = _____ m

14) 6.3 cm = _____ mm

5) 8 mm = _____ cm

10) 5.6 m = _____ cm

15) 120 mg = _____ g

Compare using <, >, or =.16) 63 cm 6 m17) 5 g 508 mg18) 1,500 mL 1.5 L19) 536 cm 53.6 dm20) 43 mg 5 g21) 3.6 m 36 cm

Metric Mania Answer Keys

Conversion Practice

NOTE: See overhead copy for the staircase boxes.

$$1000 \text{ mg} = 1 \text{ g}$$

$$160 \text{ cm} = 1600 \text{ mm}$$

$$109 \text{ g} = 0.109 \text{ kg}$$

$$1 \text{ l} = 1000 \text{ ml}$$

$$14 \text{ km} = 14000 \text{ m}$$

$$250 \text{ m} = .250 \text{ km}$$

$$56 \text{ cm} < 6 \text{ m}$$

$$7 \text{ g} > 698 \text{ mg}$$

Conversion Challenge

1. kg

2. m

3. g

4. ml

5. mm

6. l

7. km

8. cm

9. mg

1. 2 g

2. 104000 m

3. 4.8 m

4. 5600 g

5. .8 cm

6. 5000 ml

7. 0.198 kg

8. 0.075 l

9. 0.5 m

10. 560 cm

11. 160 mm

12. 2.5 km

13. 65000 mg

14. 63 mm

15. 0.12 g

16. <

17. >

18. =

19. =

20. <

21. >

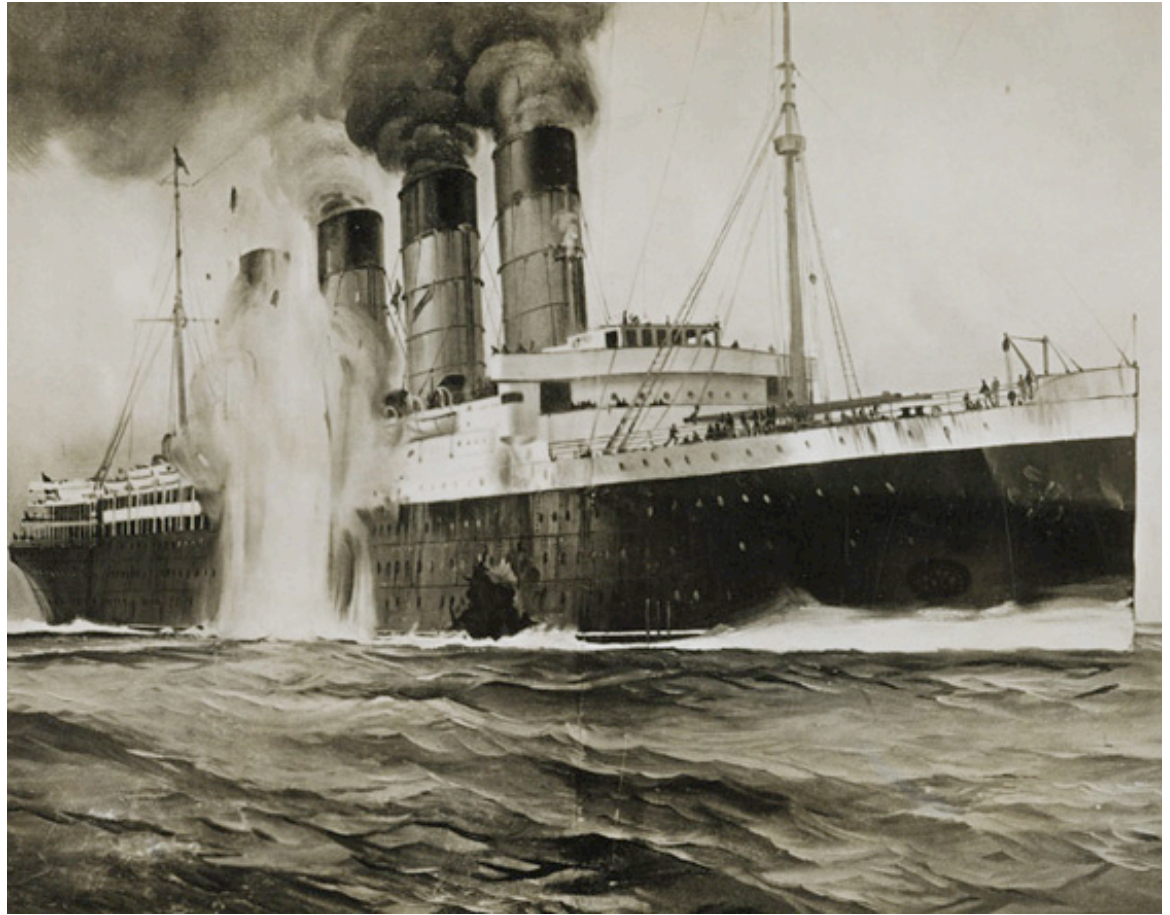


Sinking of the *Lusitania* Article Activity

During the *Lusitania* simulation, students will learn about the historic sinking of the *RMS Lusitania*, which led to the entry of the United States into World War I. To build upon this learning, considering using the following hands-on project, provided by our partners at [BetterLesson.com](https://www.betterlesson.com).

This project can be done either **before** or **after** the *Lusitania* simulation.

LUSITANIA SUNK!



British Boat Sunk by German U-Boat!

By Allen Williamson - Associated Press

Yesterday, the cruise ship the Lusitania was sunk off the coast of England by a German U-boat. The Lusitania, a British cruise liner, had 1,959 people on board including the crew members who were in charge of taking care of the boat.

The voyage started in New York, and was supposed to end in Liverpool, England. The boat was moving very quickly through out the entire journey.

Yesterday morning, May 17, 1915, the Lusitania was getting very close to its destination in Liverpool. The captain slowed the ship down to prepare for the landing. Naval and boat expert John Anderson says, "When the Lusi-

tania slowed down, the boat was left open to attacks from the German U-Boats."

The Lusitania was hit in the morning hours, and sunk in only 18 minutes. Some experts think that the Lusitania sunk so fast because it was carrying weapons for the British army. When the torpedo hit the area that the weapons were being stored, the gun powder might have ignited, starting a fire and increasing the speed that the boat sank.

The number of deaths from the attack are not known, but it is believed to be in the thousands. Some of those are Americans. Because Americans died, some people in the United States are

calling for the U.S. to declare war on Germany for killing innocent people.

A Congressman from Georgia said, "We can not let this event go unanswered, we must defend and honor all Americans. We must go to war!"

This tragic event is one of the worst sea disasters of all time. Innocent women and children were killed. This may lead to the U.S. entering the war on the side of the Allied Powers trying to beat the Central Powers.

President Wilson had these comments, "We must honor the dead Americans who lost their lives."

Questions about the article:

1. What country was the Lusitania from? _____
2. How many people were on board the Lusitania? About how many people died? _____
3. Why did the Lusitania explode so quickly?

4. What effect might the sinking of Lusitania have on the United States?

5. Why did the Georgia Congressman want to enter World War I?

6. If you were president of the United States, would you want to enter World War I after Americans lost their lives during the sinking of the Lusitania? Why or Why not?



Mission Debrief Class Discussion Guide

Your students will encounter a wide variety of educational topics in their Dream Flight Adventures mission. After the mission is complete, use this guide to lead your students in a class discussion to explore these topics in more depth.

Consider dividing your students into small groups to discuss each question and then share their group's opinion with the entire class. Be sure to let every student's voice be heard. Dream Flight Adventure missions are multi-faceted, and each student is exposed to a slightly different part of the story. Let every student share their thoughts and experiences so the entire group can benefit.

Suggested thought-provoking questions for *Lusitania* are:

What positive outcomes can stem from tragedies?

How should one respond to oppression?

Who should be responsible for dispensing justice?

How should one decide whether to use a powerful ability?

How can the long-term impact of a person or action be measured?

If you could do the mission again, what would you do differently?

How do you relate to the characters, events, or issues that you encountered during the mission?

If you were Captain Dakkar on the Leviathan and had just found yourself in the 1915 Atlantic Ocean, what would you do?

What parts of the mission were the most challenging?

What new things did you learn during the experience?



Name _____

Multimedia Mission Memoir

Reflect on your recent Dream Flight Adventures mission and prepare a multimedia project that tells about your experience.

Be creative and draw upon any type of multimedia to create your project. Possible examples include posters, collages, short stories, PowerPoint presentations, dioramas, plays, podcasts, animations, videos, music, or comic books.

In your project, be sure to address the following questions:

What happened during your mission? Summarize the events.

What was your responsibility?

What did you do in your mission? What were the results?

If you could do the mission over again, what would you do differently?

How do you relate to the characters, events, or issues that you encountered during the mission?

What parts of the mission were the most challenging?

What parts of the mission were the most exciting?

What new things did you learn during the experience?

Did the mission change the way you think about anything? If so, what, and how has your perspective changed?

Be prepared to share your project with your peers and to describe why you chose the form of multimedia you did.