

LPJ 8th Grade Science Outreach Learning
April 14-16, 2020

8th Grade Science Week of April 14, 2020

Teacher/Team:

Shawn Oliphint / 8th Grade Science

If there are any questions,
please feel free to email me/us
at:

Email: oliphints@lpsd.org

Voicemail/texting: (281) 402-9291

Phone availability: T-F 8am – 3 pm

Link to TEAMS FOLDERS:

[1st Period TEAMS](#)

[2nd Period TEAMS](#)

[3rd Period TEAMS](#)

[5th Period TEAMS](#)

[6th Period TEAMS](#)

Previous Lessons:

6th Grade

Solar System

Objects in the Solar System

**Connect with me on
Remind**

Science with Mrs. O

Send a [text to 81010](#)

Text this message

[@oliphints](#)

Last week we reviewed the life of a star. This week we will look at the diagram or star chart that classifies all stars! 😊

Objectives

Objective / I Can:

- Describe components of the universe including analyzing brightness and temperature on the HR diagram.

Activities

Hint: There is a full format of this lesson in resources on your TEAMS Files, Class Materials Folder. (Click on link above to get to TEAMS) – Please let me know if you have questions.

I sent a message in FLIPGRID that you can respond to. Did you get it? 😊 [Rascal says, "Please check in!"](#)

REVIEW FROM LAST WEEK:

I noticed the questions that were missed most:

1. The more mass a star has, the shorter it's life span.

Think about a school bus and a smart car... Which one will last

longer on a tank of gas (fuel)?



vs.



(And yes – the school bus is magic, but does run on a tank of fuel.

2. The Sun – our ONLY star is an average size star. It is NOT massive. It will never explode!! 😊 (sorry)

Activity 1 week of 4/14:

1. **MUST click & Watch:** [Intro and Mrs. O's notes for H-R Diagram](#)
2. Short, short. Video on how Hubble assembles [Click here for SHORT video](#)
3. Practice: Click on the quizzizz for practice questions.
Click on [joinmyquiz.com](https://www.joinmyquiz.com) Enter Code: **1 4 9 7 8 3**

BEFORE Taking the quiz in forms...

[CLICK HERE FOR ADDED PRACTICE: GALAXIES, STARS, HR DIAGRAM](#)

Student Activity 2 week of 4/14:

4. HR Diagram. Click on the Forms in your TEAMS folders below. You will analyze the HR Diagram. Please check all the info above for practice. (Follow the instructions and complete the questions. This will be turned in for a grade)

[1st Period](#)

[2nd Period](#)

[3rd Period](#)

[5th Period](#)

[6th Period](#)

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This link will take you to a sight that gives you viewing times for the International Space Station. The Space Station or the ISS orbits our planet and astronauts live on it.

[Click for times to see the SPACE STATION](#) - Type in your location Johnson Space Center, Houston, Texas.

Check Out my Flipgrid (below) to see my video of the space station.

Additional Resources if you need help:

- Mrs. Oliphint's Office Hours will be Wednesday (9-11 or 1-3)
 - Help via email, Remind, or video call or chat on Microsoft TEAMS, Google voice phone number for texting or voicemail.
- Extra Videos
 - HR Diagram Animation (REALLY COOL!!) <https://youtu.be/jiSN95WX1NA>
 - HR Diagram Explained <https://youtu.be/SvaXfFgrKg4>
 - Stars and Galaxies – The HR Diagram https://youtu.be/_EtIJCfaxdc
 - Crash Course – Astronomy <https://youtu.be/ld75W1dz-h0>
 - Classroom Aid – HR Diagram <https://youtu.be/Yfbs0xydBWE>
- **ACTIVITIES/INTERACTIVES** :
 - McGraw-Hill HR Diagram Interactive
 - https://highered.mheducation.com/olcweb/cgi/pluginpop.cgi?it=swf::800::600::/sites/dl/free/0072482621/78780/HR_Nav.swf::H-R%20Diagram
 - Solar System Trading Cards_
<http://history.amazingspace.org/resources/explorations/trading/>
 - Galaxies Galore
<http://history.amazingspace.org/resources/explorations/galaxies-galore/>
 - Galaxy Zoo
<https://www.zooniverse.org/projects/zookeeper/galaxy-zoo/>

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- **Extra Practice**

- Quizlet – flash cards:

<https://quizlet.com/398919854/hr-diagram-flash-cards/>

<https://quizlet.com/464689967/hr-diagram-flash-cards/>

<https://quizlet.com/384023939/hr-diagram-flash-cards/>

- Quizizz:

<https://quizizz.com/admin/quiz/5850323b1c6f222779512872/hr-diagram>

<https://quizizz.com/admin/quiz/5ac510a0ce4943001a57832a/hr-diagram>

<https://quizizz.com/admin/quiz/59012218597301110027482d/hr-diagram>

- Review Game Zone

<https://reviewgamezone.com/preview.php?id=23264>

Academic/Instructional Support

Schedule:

Tuesday & Thursday – work on science work

Office Hours:

Wednesday 9:00 – 11:00 am or 1:00 – 3:00 pm

Log into TEAMS and we can text/chat online – PLEASE check in weekly.

If you need help or do not understand the lesson/activity, email me, send a message in TEAMS, or call/text 281-402-9291.

I also WANT to hear from you! I DO NOT THINK ANYONE HAS CHECKED OUT MY FLIPGRID ☹

[Rascal says, "Please check in!"](#)

This is the same link if you missed it up top!

To Be Graded

Make sure you submit the following from this week's lesson through Microsoft Forms links above:

Activity 2: HR Diagram – turn in on FORMS

****DUE by 8:00am on Monday 4/20/2020**