

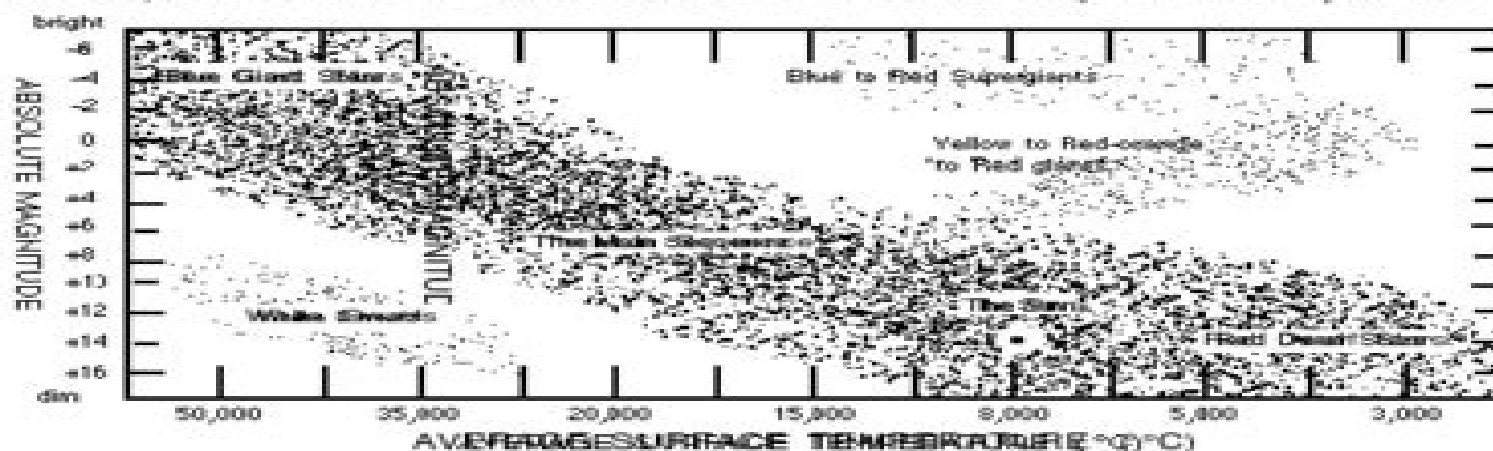


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## The Hertzsprung-Russell Diagram

The H-R diagram is actually a graph that illustrates the relationship between the average surface temperature of stars and their absolute magnitude (how bright they would appear if they were all the same distance away from the viewer). The brightness of stars is affected not only by temperature but also by size. The brightest stars would be those that are large and hot. Those that are the least bright, or luminous, would be small and cool. The color of a star is determined by its surface temperature.



Using the Hertzsprung-Russell diagram above, answer the following questions.

1. What is the approximate surface temperature of our sun?
2. Which stars are the brightest? Why?
3. What is the absolute magnitude of the sun?
4. What is the color of the stars which have the lowest surface temperature?
5. Most of the stars shown in the diagram are classified as which type of star?
6. Which type of star is our sun?
7. What is the relationship between temperature and brightness for stars in the main sequence?
8. What group of stars are very hot but not very luminous?
9. What characteristics of a star are compared in the HR diagram?
10. How can red giants be classified as very bright when they are not very hot?

# Hertzprung Russell Diagram Middle School Lesson Plan

**Bs Med Konkol, Mary Ellen**



## **Hertzsprung Russell Diagram Middle School Lesson Plan:**

*Middle School Math Stations, Games and Activities* Bs Med Konkol, Mary Ellen, 2014-08-24 Are you looking for lessons and materials that are ready to use Do you want materials that actively engage your students and encourage thoughtful discussions If you answered yes to either question then this is the book you are looking for Lessons are presented as stations games and activities to harness the energy of middle school learners Lesson materials are complete and ready to use Consistency in the design of each lesson activity requires students to work as a team discuss ideas and be ready to share what they have learned with the entire class Choose from topics including the number system ratios and proportional relationships expressions and equations geometry statistics and probability *Pe Game Plan* Natalie Boone, Maridy Troy, 2010-01-01 You won't be completely ready to start the new school year without this must have tool for planning your lessons for each class throughout the year Perfect for beginning teachers as well as veterans PE Game Plan Lesson Unit Planner for Elementary Middle School Physical Educators gives you a ready made format for planning effectively The book is divided into five sections 1 Focus Charts for deciding which skill themes and movement concepts are appropriate for each grade level These charts can help you list skill themes and movement concepts to be covered in a logical order 2 A Unit Plan Pacing Guide for developing a yearly physical education curriculum as a brief overview for the entire year Use the pacing guide as a big picture guide to mapping out decisions on what to include in the curriculum for each grade 3 Scope Sequence Charts for making decisions concerning the depth or scope of the curriculum and how it should be sequenced on a weekly basis 4 Weekly Lesson Plans in a week at a glance format helping you make in depth decisions on warm up activities practices and games before writing the daily lesson plan Also included on the CD ROM that accompanies the book so that you can download it to your computer for easy use and reuse 5 A Daily Lesson Plan format that you can photocopy or download from the CD ROM for precise in depth planning on a daily basis **Graphing Calculator Strategies** Donna Erdman, 2006-12-01 Integrate TI Graphing Calculator technology into your mathematics instruction with these resource books Lesson plans are easy to follow and each lesson explains the concepts demonstrates how to use the calculator and applies the concept Differentiate instruction with Extension Ideas and strategies that simplify the lessons for students needing extra support Teacher Resource CD includes a Using the Calculator section to help students visualize the concepts great for English language learners Practice pages help prepare students for testing situations that include the use of graphing calculators **Middle School Math, Course 1** McDougal Littell Incorporated, 2004 **How To Write A Lesson Plan For Middle School Math** Molly Elodie Rose, 2020-02-08 This How To book is different Unlike every other book you'll read with titles like How To Craft The Perfect Lesson Plan in 165 Incredibly Simple Steps this book is different It's a simple How To guide for creating a lesson plan that's right for you and your students and also an easy to follow workbook We'll discuss what exactly a lesson plan is and why you even need one We'll then go on to look at the process for creating a lesson

plan including the questions you need to consider so that you don't forget anything important Then we've got 60 lesson plan templates for you to follow with a double page layout so that you have plenty of space for all your notes We've even included some Further Notes pages at the back for anything else you need to jot down Teaching students of any age is both a challenging and daunting prospect With a well thought out lesson plan in place anticipating the questions you'll face AND the answers it will be much less daunting and much more exciting Good luck Molly     How to Do a Lesson Plan for Middle School Molly Rose,2020-02-28 This How To book is different Unlike every other book you'll read with titles like How To Craft The Perfect Lesson Plan in 165 Incredibly Simple Steps this book is different It's a simple How To guide for creating a lesson plan that's right for you and your students and also an easy to follow workbook We'll discuss what exactly a lesson plan is and why you even need one We'll then go on to look at the process for creating a lesson plan including the questions you need to consider so that you don't forget anything important Then we've got 60 lesson plan templates for you to follow with a double page layout so that you have plenty of space for all your notes We've even included some Further Notes pages at the back for anything else you need to jot down Teaching students of any age is both a challenging and daunting prospect With a well thought out lesson plan in place anticipating the questions you'll face AND the answers it will be much less daunting and much more exciting Good luck Molly     Middle School Math, Course 3 McDougal Littell Incorporated,2004     How To Write A Lesson Plan For Middle School Molly Elodie Rose,2020-02-08 This How To book is different Unlike every other book you'll read with titles like How To Craft The Perfect Lesson Plan in 165 Incredibly Simple Steps this book is different It's a simple How To guide for creating a lesson plan that's right for you and your students and also an easy to follow workbook We'll discuss what exactly a lesson plan is and why you even need one We'll then go on to look at the process for creating a lesson plan including the questions you need to consider so that you don't forget anything important Then we've got 60 lesson plan templates for you to follow with a double page layout so that you have plenty of space for all your notes We've even included some Further Notes pages at the back for anything else you need to jot down Teaching students of any age is both a challenging and daunting prospect With a well thought out lesson plan in place anticipating the questions you'll face AND the answers it will be much less daunting and much more exciting Good luck Molly     Middle School Math North Carolina Lesson Plans Course 3 McDougal Littel,2003     Middle School Math North Carolina Lesson Plans Course 2 McDougal Littel,2003     *Lesson Plans for Holt Middle School Math* ,2004     The Middle School Math Project PBS Online,2001\*     **Lesson Plan** United States. Artillery School. Antiaircraft and Guided Missile Branch,1952     **Lesson Plans that Ignite Science and Technology** Mary Jo Milburn,Bonnie Campbell,     McDougal Littell Middle School Math Louisiana Course 3 McDougal Littel,2004-10-15

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