

# Bob Jones Space & Earth Science, 3<sup>rd</sup> Edition, CHASE Schedule 2010 - 2011

Welcome to Middle School Earth & Space Science!

## SCHEDULE

This schedule is designed so that the student will read scheduled portions of the text each week and complete homework assignments between CHASE classes. Students must keep up with the schedule of homework so they understand the lab topics.

Please note that the schedule requires reading prior to the start of CHASE.

## HOMEWORK ASSIGNMENTS

Since the majority of class time will be used to conduct experiments (Investigations), review text material, and prepare for tests, there is much to be done at home. The attached schedule includes a breakdown of assignments for each day of the week. It is only a guideline! The student or parent may have a different method of completing the specified work during the week.

**Please refer to the weekly newsletter for class instructions regarding assignments for the week.**

This curriculum includes numerous opportunities to review the material after reading, via review questions and worksheets (Applications). These are valuable tools for learning the material and are included as homework assignments.

In order to do well in the class, students should complete the section review questions after each assigned reading. These will not be graded as they are a self-test of what the student retained during their reading. All assigned applications are to be handed in the following class for grading. The Chapter Review Questions at the end of each chapter must be completed and turned in with the chapter tests for grading. Students should attempt to answer each question on their own based on what they learned. If they have trouble, it's perfectly acceptable to research the answer in the text, but write the answer in their own words, using complete sentences. Please make sure **ALL** papers turned in for grading include your name.

### Investigations

These are the experiments, located in the Student Activity section of the student text. Most of them will be performed in class and completed at home. These will need to be brought to class and handed in.

### Tests & Quizzes

Every chapter includes a test in the separate test packet. These are to be completed at home, monitored by the parent. The parent is responsible for making sure the student does not refer to notes or the text. Tests are to be brought along to class the following week to be graded by the instructor and returned. If the parent wishes to provide open book tests, please inform the instructor. Periodically in class quizzes will be given to ensure the students are keeping up with the reading schedule. These will usually be unannounced.

### Projects

During the school year there will be two larger projects for the students to complete. These are worth 15% of the student's grade. The first project will be one on a planet and the second will be on a volcano. Both projects will be presented to the class and may count towards a student's speech requirement for a diploma program. Information on these projects will be given out one month prior to the due date.

## **GRADING**

Tests/quizzes: 40%

Investigations: 20%

Homework (Review Questions & Applications): 20%

Papers and projects: 15%

Class Participation: 5%

Grades will be based on neatness, completion, and level of effort.

**If a test or any homework assignment is not received on the assigned class day, the student will receive a "0" for that assignment, unless the parent has made prior arrangements with the instructor.**

### **Bring to class each week:**

- A positive attitude towards learning
- Space & Earth textbook
- Three-ring binder with notebook paper for taking notes, etc.
- Pencil for writing
- Ruler
- Protractor
- Calculator
- Colored pencils
- Any homework assignments

## Bob Jones Space & Earth, 3<sup>rd</sup> Edition, CHASE Schedule

### Prior to Class 1, Sept. 13:

- Read Section 1C (1.26-1.40) - Be prepared for a short quiz on this material the first day.
- Read Chapter 2 and answer all section review questions
- Do Applications 2A, 2B, and 2C.

<b>Sept. 13</b> <b>Class 1</b>	Introduction to class. In class activity.
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### Week 1:

- Day 1: Pg. 49 Questions 1-12 and study guide.
- Day 2: Test Ch. 2
- Day 3: Read Section 3A (3.1-3.7). Answer section review questions. Application 3A
- Day 4: Read Section 3A (3.8-3.15). Answer section review questions. Application 3B

<b>Sept. 20</b> <b>Class 2</b>	Investigation 3G Turn in Ch. 2 test and review questions, App. 3A and 3B
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### Week 2:

- Day 1: Complete Investigation 3G. Read 3B (3.16-3.18). Answer section review questions.
- Day 2: Read Section 3C (3.19-3.23) and do section review questions.
- Day 3: Read Section 3C (3.24-3.26) and do section review questions, Application 3C
- Day 4: Read Section 3C (3.27-3.31) and do section review questions. Application 3F

<b>Sept. 27</b> <b>Class 3</b>	Investigation 3I, Applications 3D and 3E in class Turn in Applications 3C and 3F, Investigation 3G
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### Week 3:

- Day 1: Complete study guide and chapter review questions pg. 81 (#1-10)
- Day 2: Chapter 3 test
- Day 3: Read Section 4A and do section review questions
- Day 4: Read section 4B (4.6-4.9) and do section review questions. Application 4B

<b>Oct. 4</b> <b>Class 4</b>	Investigation 4E and Application 4A in class Turn in Chapter 3 test, chapter review questions
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### Week 4:

- Day 1: Read Section 4B (4.10-4.12) and do section review questions. Application 4C
- Day 2: Read Section 4C and do section review questions. Application 4D
- Day 3: Chapter review questions pg. 99 (#1-15)
- Day 4: Study guide

<b>Oct. 11</b> <b>Class 5</b>	Investigation 4F or 4G as a teacher demo. Review Chapter 4 Introduce planet project (to be completed at home over the next 4 weeks) Turn in App. 4C, and 4D
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### Week5:

- Day 1: Do Chapter 4 Test
- Day 2: Read Section 5A and do section review questions
- Day 3: Read Section 5B and do section review questions. Applications 5A and 5B
- Day 4: Read Section 5C (5.7-5.9) and do section review questions

<b>Oct. 18</b> <b>Class 6</b>	Investigations 5D and 5E <b>Turn in Chapter 4 test and review questions, Applications 5A and 5B</b>
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**Week 6:**

- Day 1: Complete Inv. 5D and 5E; Read Section 5C (5.105.11) and do section review questions
- Day 2: Read Section 5C (5.12-5.15) and do section review questions. Application 5C
- Day 3: Read Section 5D and do section review questions
- Day 4: Do chapter review questions 1-13 page 123 and study guide.

<b>Oct. 26</b> <b>Class 7</b>	Investigation 5H <b>Turn in Inv. 5D, 5E, App. 5C</b>
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**Week 7:**

- Day 1: Complete Inv. 5H. Chapter 5 test
- Day 2: Read Section 6A and do section review questions
- Day 3: Read Section 6B and do section review questions
- Day 4: Read Section 6C and do section review questions

<b>Nov. 1</b> <b>Class 8</b>	Investigation 6G <b>Turn in Inv. 5H</b>
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**Week 8:**

- Day 1: Applications 6A, 6B, 6E, chapter review questions 1-16 page 143.
- Day 2: Study guide
- Day 3: Test Chapter 6
- Day 4: Read Section 7A (7.1-7.7) and do section review questions

<b>Nov. 8</b> <b>Class 9</b>	Planet projects <b>Turn in Ch. 6 test and chapter review questions, Inv. 6G, App. 6A, 6B, and 6C.</b>
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**Week 9:**

- Day 1: Read Section 7B (7.8-7.12) and do section review questions.
- Day 2: Read Section 7B (7.13-14) and do section review questions. Application 7A
- Day 3: Read Section 7C and do section review questions. Application 7B
- Day 4: Chapter review questions 1-18 page 163.

<b>Nov. 15</b> <b>Class 10</b>	Applications 7C, 7D, and study guide in class <b>Turn in App. 7A and 7B</b>
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**Week 10:**

- Day 1: Do Chapter 7 test
- Day 2: Read Section 8A and do section review questions
- Day 3: Read Section 8B (8.6-8.10). Do Applications 8A and 8B
- Day 4: Read Section 8B (8.11-8.14) and do section review questions

<b>Nov. 22</b> <b>Class 11</b>	Investigation 8F <b>Turn in Ch. 7 test and chapter review questions, App. 8A and 8B</b>
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**Week 11: Thanksgiving**

- Day 1: Complete Investigation 8F; Read Section 8C (8.15-8.21)

<b>Nov. 29</b> <b>Class 12</b>	Investigation 8G (Rocket construction) <b>Turn in Inv. 8F, and App. 8D and 8E</b>
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**Week 12:**

- Day 1: Read Section 8C (8.22-8.24) and do section review questions.
- Day 2: Applications 8D and 8E
- Day 3: Chapter review questions 1-27 pages 188-189
- Day 4: Study guide and chapter 8 test.

<b>Dec. 6</b> <b>Class 13</b>	Complete Rocket construction <b>Turn in Ch. 8 test and chapter review questions</b>
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**Week 13:**

- Day 1: Read Section 9A (9.1-9.5) and do section review questions; Application 9A
- Day 2: Read Section 9A (9.6-9.13) and do section review questions
- Day 3: Read Section 9B and do section review questions. Applications 9B and 9C
- Day 4: Read Section 9C and do section review questions. Application 9D

<b>Dec. 13</b> <b>Class 14</b>	Launch rockets <b>Turn in App. 9A, 9B, 9C, and 9D</b>
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**Week 14:**

- Day 1: Chapter review questions page 211 (#1-18)
- Day 2: Study guide
- Day 3: Test Chapter 9

<b>Jan. 3</b> <b>Class 15</b>	Investigation 9E <b>Turn in Chapter 9 test and chapter review questions</b>
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**Week 15:**

- Day 1: Complete Investigation 9E. Read Section 10A and do section review questions. Application 10A
- Day 2: Read Section 10B and do section review questions. Application 10B
- Day 3: Read Section 10C and do section review questions.
- Day 4: Chapter review questions page 229 (#1-18)

<b>Jan. 10</b> <b>Class 16</b>	pH Activity in class <b>Turn in Inv. 9E, App. 10A and 10B</b>
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**Week 16:**

- Day 1: Study guide
- Day 2: Test Chapter 10
- Day 3: Read Section 11A and do section review questions; Applications 11A and 11B
- Day 4: Read section 11B and do chapter review questions. Application 11D

<b>Jan. 17</b> <b>Class 17</b>	In class activity with Coriolis Effect. <b>Turn in Chapter 10 test and chapter review questions. App. 11A, 11B, and 11D</b>
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**Week 17:**

- Day 1: Read Section 11C (11.14-11.20) and do section review questions
- Day 2: Read Section 11C (11.21-11.26) and do section review questions
- Day 3: Chapter review questions page 255 (#1-16). Do Applications 11E and 11F
- Day 4: Study guide

<b>Jan. 24 Class 18</b>	<b>Mapping a hurricane Turn in App. 11E and 11F</b>
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**Week 18: Collect Weather data this week and don't forget to draw weather maps!**

Day 1: Do Chapter 11 Test

Day 2: Read Section 12A (12.1-12.5). Do Application 12A

Day 3: Read Section 12A (12.6-12.12.14) and do section review questions. Application 12B

Day 4: Read Section 12C and 12D and do section review questions. Application 12C

<b>Feb. 7 Class 19</b>	<b>Go over Investigation 12K, Applications 12E and 12F in class Turn in Ch. 11 test, chapter review questions, App. 12A, 12B, 12C. Bring weather data</b>
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**Week 19:**

Day 1: Study guide

Day 2: Test Chapter 12

Day 3: Read Section 13A and do section review questions. Application 13A

Day 4: Read Section 13B and do section review questions

**\*\* No test on Chapter 13\*\***

<b>Feb. 14 Class 20</b>	<b>Activity on structure of Earth, Applications 13B and 13C in class Turn in Ch. 12 test and chapter review questions, App. 13A</b>
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**Week 20: Bring 3 small jars to class (peanut butter size - doesn't have to be exact)**

Day 1: Read Sections 14A and 14B (14.7-14.14) and do section review questions

Day 2: Read Section 14B (14.15-14.20) and do section review questions. Applications 14A and 14B

Day 3: Read Section 14C (14.21-14.27) and do section review questions.

Day 4: Read Section 14C (14.28-14.31) and do section review questions. Application 14C

<b>Feb. 21 Class 21</b>	<b>Investigation 14D Turn in App. 14A, 14B, 14C</b>
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**Week 21: Observe crystals daily and make observations**

Day 1: Do chapter review questions pages 382-383 (#1-27)

Day 2: Study guide

Day 3: Study

Day 4: Chapter 14 test

<b>Feb. 28 Class 22</b>	<b>Investigation 14F Turn in Ch. 14 test and chapter review questions</b>
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**Week 22:**

Day 1: Complete Investigation 14F; Read Section 15A and do section review questions

Day 2: Read Section 15B (15.4-15.8) and do section review questions

Day 3: Read Section 15B (15.9-15.16) and do section review questions

Day 4: Application 15B

<b>Mar. 7 Class 23</b>	<b>Investigations 15F, Application 15A Turn in Inv. 14F, App. 15B</b>
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**Week 23:**

Day 1: Complete Investigation 15F and read section 15C and do section review questions

Day 2: Read Section 15D and do section review questions

Day 3: Applications 15C and chapter review questions page 411 (#1-25)

Day 4: Study guide

<b>Mar. 14</b> <b>Class 24</b>	Investigation 15D (information on volcano project) <b>Turn in Inv. 15F, App. 15C</b>
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**Week 24:**

- Day 1: Complete Investigation 15D and Ch. 15 test
- Day 2: Read Section 16A and do section review questions. Application 16A
- Day 3: Read Section 16B and do section review questions
- Day 4: Applications 16B and 16C

<b>Mar. 21</b> <b>Class 25</b>	Contour map activity <b>Turn in Inv. 15D, Chapter 15 test and chapter review questions</b> <b>App. 16A, 16B, and 16C</b>
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**Week 25:**

- Day 1: Read Section 16C (16.11-16.15)
- Day 2: Read Section 16C (16.16-16.20) and do section review questions
- Day 3: Chapter review questions page 437 (#1-19)
- Day 4: Study - No Test Chapter 16. There will be a short in class quiz Monday on Sections 16.4-16.10

<b>Mar. 28</b> <b>Class 26</b>	Quiz; Review Game <b>Turn in Chapter Review questions</b>
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**Week 26:**

- Day 1: Read Section 17A (17.1-17.6) and do section review questions
- Day 2: Read Section 17A (17.7-17.9) and do section review questions.
- Day 3: Applications 17A and 17B
- Day 4: Read Section 17B (17.10-17.13) and do section review questions

<b>April 4</b> <b>Class 27</b>	Activity on earth waves <b>Turn in App. 17A and 17B</b>
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**Week 27:**

- Day 1: Read Section 17B (17.14-17.17) and do section review questions
- Day 2: Read Section 17C and do section review questions
- Day 3: Do chapter review questions page 462-463 (#1-22). Do Application 19C
- Day 4: Do Application 17E, 17F, and study guide

<b>Apr. 11</b> <b>Class 28</b>	Volcano activity <b>Turn in App. 17E and 17F</b>
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**Week 28:**

- Day 1: Chapter 17 Test
- Day 2: Read Section 18A (18.1-18.6) and do section review questions
- Day 3: Read Section 18B do section review questions. Do Applications 18B and 18C
- Day 4: Read Section 18C and do section review questions

<b>Apr. 18</b> <b>Class 29</b>	Volcano Projects <b>Turn in Ch. 17 test, chapter review questions, App. 19B and 19C</b>
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**Week 29:**

- Day 1: Do Applications 18D and 18E
- Day 2: Do chapter review questions page 481 (#1-14) and study guide
- Day 3: Study
- Day 4: Test Chapter 18

<b>Apr. 25</b> <b>Class 30</b>	<b>Turn in Inv. 18F, Ch. 18 test, and review questions, App. 18D and 18E</b>
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