



# Conceptual Integrated Science, Year 1

## Lesson Planner

To be used with the Third Edition Textbook



For an automated calendar using this same information, visit [HomeschoolPlanet.com](http://HomeschoolPlanet.com).

| Day | Module Assignments                      | Action Item   |
|-----|---|---|
| 1   | Unit A, Physics, Module 1, Assignment 1 |   |
|     |   | Note: Your Conceptual Integrated Science (CIS) course at Conceptual Academy can work with any textbook edition. However, this planner is specific to the third edition textbook, CIS3e. |
|     |   | After purchasing your CIS Conceptual Academy course, sign into your student profile page.   |
|     |   | Watch the "Tiger Video" to become familiar with the Conceptual Academy interface.   |
|     |   | Carefully review the first "FYI" page.  |
|     |   | Download documents from the Doc Share.  |
|     |   | Obtain a composition book into which you can record your observations and answers to questions.   |
| 2   | Unit A, Physics, Module 1, Assignment 2 |   |
|     |   | Read the "How To Study Effectively" document from the Doc Share.  |
| 3   | Unit A, Physics, Module 1, Assignment 3 |   |
|     |   | Study Sections: 1.1 - 1.3, Math Connection (Videos + Textbook)  |
|     |   | Take corresponding video quizzes  |
| 4   | Unit A, Physics, Module 1, Assignment 4 |   |
|     |   | Study Sections: 1.4 - 1.6 (Videos + Textbook)   |
|     |   | Take corresponding video quizzes  |
| 5   | Unit A, Physics, Module 1, Assignment 5 |   |
|     |   | Perform Activity: Rubber Band Balance   |
| 6   | Unit A, Physics, Module 1, Assignment 6 |   |
|     |   | Study Sections: 1.7 - 1.9 (Videos + Textbook)   |



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|    |  | Take corresponding video quizzes   |
| 7  | Unit A, Physics, Module 1, Assignment 7  |  |
|    |  | Study Sections: 1.10, IS-1A Sea Butterflies (video + page 206 of textbook), The Aurora Borealis (textbook) |
|    |  | Take corresponding video quizzes   |
| 8  | Unit A, Physics, Module 1, Assignment 8  |  |
|    |  | Take Module Reading Quiz   |
|    |  | Study About Science NTQ (Next-time Questions)  |
| 9  | Unit A, Physics, Module 1, Assignment 9  |  |
|    |  | Download and work on Practice Pages from the Doc Share   |
| 10 | Unit A, Physics, Module 1, Assignment 10 |  |
|    |  | Textbook End-of-Chapter Questions (In Writing): Answer odd numbered "Reading Check" questions              |
|    |  | Textbook End-of-Chapter Questions (In Writing): Page 14: Answer 21, 27, 29, and 31.                        |
| 11 | Unit A, Physics, Module 1, Assignment 11 |  |
|    |  | Answer correctly at least 10 questions from the Homework Practice Session (HPS)                            |
| 12 | Unit A, Physics, Module 2, Assignment 1  |  |
|    |  | Study Sections: 2.1 - 2.3 (Videos + Textbook)  |
|    |  | Take corresponding video quizzes   |
| 13 | Unit A, Physics, Module 2, Assignment 2  |  |
|    |  | Study Sections: 2.4 - 2.6, Math Connection - Equilibrium Rule (Videos + Textbook)                          |
|    |  | Take corresponding video quizzes   |
| 14 | Unit A, Physics, Module 2, Assignment 3  |  |
|    |  | Perform Activity: Peanut Butter Jar  |
| 15 | Unit A, Physics, Module 2, Assignment 4  |  |
|    |  | Study Sections: 2.7, IS-2A Friction (Videos + Textbook)  |
|    |  | Take corresponding video quizzes   |

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| 16 | Unit A, Physics, Module 2, Assignment 5  |   |
|    |  | Study Section: 2.8 (Videos + Textbook)  |
|    |  | Take corresponding video quizzes  |
| 17 | Unit A, Physics, Module 2, Assignment 6  |   |
|    |  | Study Section: 2.9, IS-2B Hang Time (Videos + Textbook)                                       |
|    |  | Take corresponding video quizzes  |
| 18 | Unit A, Physics, Module 2, Assignment 7  |   |
|    |  | Take Module Reading Quiz  |
|    |  | Study Newton First NTQ (Next-time Questions)  |
| 19 | Unit A, Physics, Module 2, Assignment 8  |   |
|    |  | Textbook End-of-Chapter Questions (In Writing): Answer odd-numbered "Reading Check" questions |
| 20 | Unit A, Physics, Module 2, Assignment 9  |   |
|    |  | Download and work on Practice Pages from the Doc Share  |
| 21 | Unit A, Physics, Module 2, Assignment 10 |   |
|    |  | Textbook End-of-Chapter Questions (In Writing): Page 36: Answer 41, 43, 49.                   |
| 22 | Unit A, Physics, Module 2, Assignment 11 |   |
|    |  | Textbook End-of-Chapter Questions (In Writing): Page 37: Answer 51, 57, 61.                   |
|    |  | Textbook End-of-Chapter Questions (In Writing): Page 38: Answer 63, 67, 71, 79, 83.           |
|    |  | Textbook End-of-Chapter Questions (In Writing): Page 39: Answer 89.                           |
| 23 | Unit A, Physics, Module 2, Assignment 12 |   |
|    |  | Answer correctly at least 10 questions from the Homework Practice Session (HPS)               |
| 24 | Unit A, Physics, Module 3, Assignment 1  |   |
|    |  | Study Sections: 3.1 - 3.2 (Videos + Textbook)   |
|    |  | Take corresponding video quizzes  |

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|    |  | Play with PhET simulation: Forces and Motion  |
| 25 | Unit A, Physics, Module 3, Assignment 2  |   |
|    |  | Study Sections: IS-3A Gliding - 3.3 (Videos + Textbook)                                       |
|    |  | Take corresponding video quizzes  |
| 26 | Unit A, Physics, Module 3, Assignment 3  |   |
|    |  | Study Section: 3.4 (Videos + Textbook)  |
|    |  | Take corresponding video quizzes  |
| 27 | Unit A, Physics, Module 3, Assignment 4  |   |
|    |  | Perform Activity: Catapult  |
| 28 | Unit A, Physics, Module 3, Assignment 5  |   |
|    |  | Study Sections: IS-3B Locomotion - 3.5, Math Connection (Videos + Textbook)                   |
|    |  | Take corresponding video quizzes  |
| 29 | Unit A, Physics, Module 3, Assignment 6  |   |
|    |  | Study Section: 3.6 (Videos + Textbook)  |
|    |  | Take corresponding video quizzes  |
| 30 | Unit A, Physics, Module 3, Assignment 7  |   |
|    |  | Take Module Reading Quiz  |
|    |  | Study Newton Second NTQ (Next-time Questions)   |
| 31 | Unit A, Physics, Module 3, Assignment 8  |   |
|    |  | Textbook End-of-Chapter Questions (In Writing): Answer odd-numbered "Reading Check" questions |
| 32 | Unit A, Physics, Module 3, Assignment 9  |   |
|    |  | Download and work on Practice Pages from the Doc Share  |
|    |  | Study Newton Third NTQ (Next-time Questions)  |
| 33 | Unit A, Physics, Module 3, Assignment 10 |   |
|    |  | Textbook End-of-Chapter Questions (In Writing): Page 61: 33, 36.                              |
|    |  | Textbook End-of-Chapter Questions (In Writing): Page 62:                                      |

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|    |  | Answer 41, 43, 45.  |
| 34 | Unit A, Physics, Module 3, Assignment 11 |   |
|    |  | Textbook End-of-Chapter Questions (In Writing): Page 63: Answer 49, 51, 57, 63, 67. |
|    |  | Textbook End-of-Chapter Questions (In Writing): Page 64: Answer 77, 81, 83, 89.     |
|    |  | Textbook End-of-Chapter Questions (In Writing): Page 65: Answer 95, 103.            |
| 35 | Unit A, Physics, Module 3, Assignment 12 |   |
|    |  | Answer correctly at least 10 questions from the Homework Practice Session (HPS)     |
| 36 | Unit A, Physics, Module 4, Assignment 1  |   |
|    |  | Study Sections: 4.1 - 4.3 (Videos + Textbook)                                       |
|    |  | Take corresponding video quizzes  |
| 37 | Unit A, Physics, Module 4, Assignment 2  |   |
|    |  | Study Sections: IS-4A Sports (Videos + Textbook)                                    |
|    |  | Take corresponding video quizzes  |
| 38 | Unit A, Physics, Module 4, Assignment 3  |   |
|    |  | Perform Activity: Bounce  |
| 39 | Unit A, Physics, Module 4, Assignment 4  |   |
|    |  | Study Sections: 4.4 - 4.5, Math Connection (Videos + Textbook)                      |
|    |  | Take corresponding video quizzes  |
|    |  | Play with PhET simulation: Energy Skate Park  |
| 40 | Unit A, Physics, Module 4, Assignment 5  |   |
|    |  | Study Sections: 4.6 - 4.8, Math Connection (Videos + Textbook)                      |
|    |  | Take corresponding video quizzes  |
| 41 | Unit A, Physics, Module 4, Assignment 6  |   |
|    |  | Study Sections: 4.9 - IS-4B Glucose, Math Connection (Videos + Textbook)            |
|    |  | Take corresponding video quizzes  |

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| 42 | Unit A, Physics, Module 4, Assignment 7  |   |
|    |  | Study Section: 4.11, Math Connection (Videos + Textbook)                                      |
|    |  | Take corresponding video quizzes  |
| 43 | Unit A, Physics, Module 4, Assignment 8  |   |
|    |  | Take Module Reading Quiz  |
|    |  | Study Momentum NTQ (Next-time Questions)  |
| 44 | Unit A, Physics, Module 4, Assignment 9  |   |
|    |  | Perform Activity: Easy Lifting  |
| 45 | Unit A, Physics, Module 4, Assignment 10 |   |
|    |  | Download and work on Practice Pages from the Doc Share  |
| 46 | Unit A, Physics, Module 4, Assignment 11 |   |
|    |  | Textbook End-of-Chapter Questions (In Writing): Answer odd-numbered "Reading Check" questions |
|    |  | Study Energy NTQ (Next-time Questions)  |
| 47 | Unit A, Physics, Module 4, Assignment 12 |   |
|    |  | Textbook End-of-Chapter Questions (In Writing): Page 87: Answer 31, 37, 39, 41, 45, 49.       |
|    |  | Textbook End-of-Chapter Questions (In Writing): Page 88: Answer 53, 55, 59.                   |
|    |  | Textbook End-of-Chapter Questions (In Writing): Page 89: Answer 69, 75, 81, 83, 85, 87.       |
|    |  | Textbook End-of-Chapter Questions (In Writing): Page 90: Answer 91, 105.                      |
| 48 | Unit A, Physics, Module 4, Assignment 13 |   |
|    |  | Answer correctly at least 10 questions from the Homework Practice Session (HPS)               |
| 49 | Unit A, Physics, Module 5, Assignment 1  |   |
|    |  | Study Sections: 5.1 - 5.2 (Textbook), Study Sections: 5.1 - 5.3 (Videos)                      |
|    |  | Take corresponding video quizzes  |
| 50 | Unit A, Physics, Module 5, Assignment 2  |   |

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|    |  | Study Sections: 5.3 - IS-5A Gravity Detector Math Connection (Textbook), Study Section: 5.4 (Videos)             |
|    |  | Take corresponding video quizzes   |
| 51 | Unit A, Physics, Module 5, Assignment 3  |  |
|    |  | Perform Activity: Ball Drop  |
| 52 | Unit A, Physics, Module 5, Assignment 4  |  |
|    |  | Study Sections: 5.4 - IS-5B Center of Gravity (Textbook), Study Sections: 5.6 - IS-5B Center of Gravity (Videos) |
|    |  | Take corresponding video quizzes   |
|    |  | Play with PhET simulation: Gravity and Orbits  |
| 53 | Unit A, Physics, Module 5, Assignment 5  |  |
|    |  | Study Sections: 5.5 - 5.6 (Textbook), Study Sections: 5.8 - 5.10 (Videos)  |
|    |  | Take corresponding video quizzes   |
| 54 | Unit A, Physics, Module 5, Assignment 6  |  |
|    |  | Study Sections: 5.7 - 5.8 (Textbook), Study Sections: 5.11 - 5.12 (Videos)                                       |
|    |  | Take corresponding video quizzes   |
| 55 | Unit A, Physics, Module 5, Assignment 7  |  |
|    |  | Perform Activity: Bottle Drop  |
| 56 | Unit A, Physics, Module 5, Assignment 8  |  |
|    |  | Study Section: IS-5C Escape Speed (Videos + Textbook)  |
|    |  | Take corresponding video quizzes   |
| 57 | Unit A, Physics, Module 5, Assignment 9  |  |
|    |  | Take Module Reading Quiz   |
|    |  | Study Gravity NTQ (Next-time Questions)  |
| 58 | Unit A, Physics, Module 5, Assignment 10 |  |
|    |  | Download and work on Practice Pages from the Doc Share   |
| 59 | Unit A, Physics, Module 5, Assignment 11 |  |

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|    |  | Textbook End-of-Chapter Questions (In Writing): Answer odd-numbered "Reading Check" questions |
| 60 | Unit A, Physics, Module 5, Assignment 12 |   |
|    |  | Textbook End-of-Chapter Questions (In Writing): Page 112: Answer 41.                          |
|    |  | Textbook End-of-Chapter Questions (In Writing): Page 113: Answer 47, 49, 53, 55.              |
|    |  | Textbook End-of-Chapter Questions (In Writing): Page 114: Answer 69, 79.                      |
|    |  | Textbook End-of-Chapter Questions (In Writing): Page 115: Answer 85, 89, 93, 99               |
| 61 | Unit A, Physics, Module 5, Assignment 13 |   |
|    |  | Answer correctly at least 10 questions from the Homework Practice Session (HPS)               |
| 62 | Unit A, Physics, Module 6, Assignment 1  |   |
|    |  | Study Sections: 6.1 - 6.3 (Videos + Textbook)   |
|    |  | Take corresponding video quizzes  |
| 63 | Unit A, Physics, Module 6, Assignment 2  |   |
|    |  | Perform Activity: Absolute Zero   |
|    |  | Play with PhET simulation: States of Matter   |
| 64 | Unit A, Physics, Module 6, Assignment 3  |   |
|    |  | Study Sections: 6.4 - 6.5 (Videos + Textbook)   |
|    |  | Take corresponding video quizzes  |
| 65 | Unit A, Physics, Module 6, Assignment 4  |   |
|    |  | Study Section: IS-6A Entropy (Videos + Textbook)  |
|    |  | Take corresponding video quizzes  |
| 66 | Unit A, Physics, Module 6, Assignment 5  |   |
|    |  | Perform Activity: EntropyCIS  |
| 67 | Unit A, Physics, Module 6, Assignment 6  |   |
|    |  | Study Sections: 6.6 - IS-6B Earth's Climate (Videos + Textbook)                               |
|    |  | Take corresponding video quizzes  |



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| 68 | Unit A, Physics, Module 6, Assignment 7  |   |
|    |  | Study Section: 6.7 (Videos + Textbook)  |
|    |  | Take corresponding video quizzes  |
| 69 | Unit A, Physics, Module 6, Assignment 8  |   |
|    |  | Study Sections: 6.8 - 6.10 (Videos + Textbook)  |
|    |  | Take corresponding video quizzes  |
| 70 | Unit A, Physics, Module 6, Assignment 9  |   |
|    |  | Take Module Reading Quiz  |
|    |  | Study Thermo NTQ (Next-time Questions)  |
| 71 | Unit A, Physics, Module 6, Assignment 10 |   |
|    |  | Download and work on Practice Pages from the Doc Share  |
| 72 | Unit A, Physics, Module 6, Assignment 11 |   |
|    |  | Textbook End-of-Chapter Questions (In Writing): Answer odd-numbered "Reading Check" questions |
| 73 | Unit A, Physics, Module 6, Assignment 12 |   |
|    |  | Textbook End-of-Chapter Questions (In Writing): Page 139: Answer 35, 43.                      |
|    |  | Textbook End-of-Chapter Questions (In Writing): Page 140: Answer 47, 57, 61, 69, 75.          |
|    |  | Textbook End-of-Chapter Questions (In Writing): Page 141: Answer 79, 83, 89, 99, 103.         |
| 74 | Unit A, Physics, Module 6, Assignment 13 |   |
|    |  | Answer correctly at least 10 questions from the Homework Practice Session (HPS)               |
| 75 | Unit A, Physics, Module 7, Assignment 1  |   |
|    |  | Study Sections: 7.1 - 7.2 (Videos + Textbook)   |
|    |  | Take corresponding video quizzes  |
| 76 | Unit A, Physics, Module 7, Assignment 2  |   |
|    |  | Perform Activity: Water Bender  |
|    |  | Play with PhET simulation: Charge and Fields  |

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|    |   | Play with PhET simulation: Balloons and Static Electricity            |
| 77 | Unit A, Physics, Module 7,<br>Assignment 3  |   |
|    |   | Study Sections: 7.3 - 7.5 (Videos + Textbook)                         |
|    |   | Take corresponding video quizzes                                      |
| 78 | Unit A, Physics, Module 7,<br>Assignment 4  |   |
|    |   | Study Sections: 7.6 - 7.8 (Videos + Textbook)                         |
|    |   | Take corresponding video quizzes                                      |
| 79 | Unit A, Physics, Module 7,<br>Assignment 5  |   |
|    |   | Study Section: IS-7A Shock (Videos + Textbook)                        |
|    |   | Take corresponding video quizzes                                      |
| 80 | Unit A, Physics, Module 7,<br>Assignment 6  |   |
|    |   | Study Sections: 7.10 - 7.11, Math Connection (Videos + Textbook)      |
|    |   | Take corresponding video quizzes                                      |
| 81 | Unit A, Physics, Module 7,<br>Assignment 7  |   |
|    |   | Study Sections: 7.12 - 7.13, IS-7B Magnetic Field (Videos + Textbook) |
|    |   | Take corresponding video quizzes                                      |
| 82 | Unit A, Physics, Module 7,<br>Assignment 8  |   |
|    |   | Study Sections: 7.14 - 7.15, Math Connection (Videos + Textbook)      |
|    |   | Take corresponding video quizzes                                      |
| 83 | Unit A, Physics, Module 7,<br>Assignment 9  |   |
|    |   | Perform Activity: Motors  |
| 84 | Unit A, Physics, Module 7,<br>Assignment 10 |   |
|    |   | Take Module Reading Quiz  |
|    |   | Study Electric NTQ (Next-time Questions)                              |
| 85 | Unit A, Physics, Module 7,<br>Assignment 11 |   |
|    |   | Download and work on Practice Pages from the Doc Share                |

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| 86 | Unit A, Physics, Module 7,<br>Assignment 12 |   |
|    |   | Textbook End-of-Chapter Questions (In Writing): Answer odd-numbered "Reading Check" questions |
|    |   | Study Magnet NTQ (Next-time Questions)  |
| 87 | Unit A, Physics, Module 7,<br>Assignment 13 |   |
|    |   | Textbook End-of-Chapter Questions (In Writing): Page 167: Answer 31.                          |
|    |   | Textbook End-of-Chapter Questions (In Writing): Page 168: Answer 47, 49.                      |
|    |   | Textbook End-of-Chapter Questions (In Writing): Page 169: Answer 53, 59.                      |
|    |   | Textbook End-of-Chapter Questions (In Writing): Page 170: Answer 75, 79, 83, 87.              |
|    |   | Textbook End-of-Chapter Questions (In Writing): Page 171: Answer 91, 107.                     |
| 88 | Unit A, Physics, Module 8,<br>Assignment 14 |   |
|    |   | Answer correctly at least 10 questions from the Homework Practice Session (HPS)               |
| 89 | Unit A, Physics, Module 8,<br>Assignment 1  |   |
|    |   | Study Sections: 8.1 - 8.3, Math Connection (Videos + Textbook)                                |
|    |   | Take corresponding video quizzes  |
| 90 | Unit A, Physics, Module 8,<br>Assignment 2  |   |
|    |   | Study Sections: 8.4, IS-8A Pitch, 8.5 (Videos + Textbook)                                     |
|    |   | Take corresponding video quizzes  |
|    |   | Study Sound NTQ (Next-time Questions)   |
| 91 | Unit A, Physics, Module 8,<br>Assignment 3  |   |
|    |   | Perform Activity: Swing Thing or Kitchen Music (or both!)                                     |
| 92 | Unit A, Physics, Module 8,<br>Assignment 4  |   |
|    |   | Study Sections: 8.6 - 8.8 (Videos + Textbook)   |
|    |   | Take corresponding video quizzes  |
| 93 | Unit A, Physics, Module 8,<br>Assignment 5  |   |

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|     |  | Study Sections: 8.9 - IS-8B Colored Lights (Videos + Textbook)   |
|     |  | Take corresponding video quizzes   |
|     |  | Study Light NTQ (Next-time Questions)  |
| 94  | Unit A, Physics, Module 8, Assignment 6  |  |
|     |  | Work on PhET simulation, Color Vision, as directed in the "Pixel Peeping" document.                    |
|     |  | Perform Activity: Mirror   |
| 95  | Unit A, Physics, Module 8, Assignment 7  |  |
|     |  | Study Sections: 8.10 - 8.12 (Videos + Textbook)  |
|     |  | Take corresponding video quizzes   |
|     |  | Study Light Properties NTQ (Next-time Questions)   |
| 96  | Unit A, Physics, Module 8, Assignment 8  |  |
|     |  | Study Sections: 8.13, IS-8C Colored Lights, 8.14 (Videos + Textbook)                                   |
|     |  | Take corresponding video quizzes   |
|     |  | Perform Activity: Moving Smart Phone   |
| 97  | Unit A, Physics, Module 8, Assignment 9  |  |
|     |  | Take Module Reading Quiz   |
|     |  | Textbook End-of-Chapter Questions (In Writing): Answer any five odd-numbered "Reading Check" questions |
| 98  | Unit A, Physics, Module 8, Assignment 10 |  |
|     |  | Perform Activity: Speed of Light   |
| 99  | Unit A, Physics, Module 8, Assignment 11 |  |
|     |  | Download and work on Practice Pages from the Doc Share   |
| 100 | Unit A, Physics, Module 8, Assignment 12 |  |
|     |  | Textbook End-of-Chapter Questions (In Writing): Page 200: Answer 33, 41.                               |
|     |  | Textbook End-of-Chapter Questions (In Writing): Page 201: Answer 47, 51, 55.                           |
|     |  | Textbook End-of-Chapter Questions (In Writing): Page 202: Answer 57, 59, 71, 75.                       |

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|     |   | Textbook End-of-Chapter Questions (In Writing): Page 203: Answer 81, 87, 93, 99.   |
|     |   | Textbook End-of-Chapter Questions (In Writing): Page 204: Answer 109.  |
| 101 | Unit A, Physics, Module 8, Assignment 13  |  |
|     |   | Answer correctly at least 10 questions from the Homework Practice Session (HPS)  |
| 102 | Unit A, Physics, Module 8, Assignment 14  |  |
|     |   | For chapters 2 through 8, answer question number 5 from each of the "Readiness Assurance Test" (RAT) sections.   |
|     |   | Look to the upside down answer keys to see how you did. If you got at least 5 out of 8 correct, then you're ready for the unit exam.   |
|     |   | If you got less than 5 correct, then research the questions you got wrong and then take a break. Then answer question number 6 from each of the RATs.  |
|     |   | Look to the answer key to see how you did. If you got at least 5 out of 8 correct, then you're ready for the unit exam.  |
|     |   | If you got less than 5 correct, then research the questions you got wrong and then take a break. Then answer question number 7 from each of the RATs.  |
|     |   | Congratulations. Regardless of how many you got correct, you're ready for the unit exam.   |
| 103 | Unit A, Physics, Module 8, Assignment 15  |  |
|     |   | Take your first unit exam downloadable from the Doc Share of the FYI page. Ideally you'll be able to take this exam with others, including friends and family, as spelled out within the directions. |
| 104 | Unit B, Chemistry, Module 1, Assignment 1 |  |
|     |   | Study Sections: IS-9A Atoms, 9.1 (Videos + Textbook)   |
|     |   | Take corresponding video quizzes   |
| 105 | Unit B, Chemistry, Module 1, Assignment 2 |  |
|     |   | Study Section: 9.2 (Videos + Textbook)   |
|     |   | Take corresponding video quizzes   |
|     |   | Play with PhET simulation: Build an Atom   |
| 106 | Unit B, Chemistry, Module 1, Assignment 3 |  |
|     |   | Study Section: 9.3 (Videos + Textbook)   |

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|     |  | Take corresponding video quizzes  |
|     |  | Perform Activity: Thickness BB  |
| 107 | Unit B, Chemistry, Module 1, Assignment 4  |   |
|     |  | Study Sections: IS-9B Models, 9.4 (Videos + Textbook)   |
|     |  | Take corresponding video quizzes  |
|     |  | Optional Activity: Rutherford   |
| 108 | Unit B, Chemistry, Module 1, Assignment 5  |   |
|     |  | Study Section: 9.5 - 9.7 (Videos + Textbook)  |
|     |  | Take corresponding video quizzes  |
| 109 | Unit B, Chemistry, Module 1, Assignment 6  |   |
|     |  | Take Module Reading Quiz  |
|     |  | Study Atoms NTQ (Next-time Questions)   |
| 110 | Unit B, Chemistry, Module 1, Assignment 7  |   |
|     |  | Download and work on Practice Pages from the Doc Share  |
| 111 | Unit B, Chemistry, Module 1, Assignment 8  |   |
|     |  | Textbook End-of-Chapter Questions (In Writing): Answer odd-numbered "Reading Check" questions |
| 112 | Unit B, Chemistry, Module 1, Assignment 9  |   |
|     |  | Textbook End-of-Chapter Questions (In Writing): Page 232: Answer 31.                          |
|     |  | Textbook End-of-Chapter Questions (In Writing): Page 233: Answer 35, 41, 45, 49.              |
|     |  | Textbook End-of-Chapter Questions (In Writing): Page 234: Answer 57, 65, 73, 81.              |
|     |  | Textbook End-of-Chapter Questions (In Writing): Page 235: Answer 83, 89, 97, 103.             |
| 113 | Unit B, Chemistry, Module 1, Assignment 10 |   |
|     |  | Answer correctly at least 10 questions from the Homework Practice Session (HPS)               |
| 114 | Unit B, Chemistry, Module 2, Assignment 1  |   |
|     |  | Study Sections: 10.1, IS-10A Radiation (Videos + Textbook)                                    |

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|     |   | Take corresponding video quizzes  |
| 115 | Unit B, Chemistry, Module 2, Assignment 2 |   |
|     |   | Study Section: 10.2 (Videos + Textbook)                                   |
|     |   | Take corresponding video quizzes  |
|     |   | Study Radioactivity NTQ (Next-time Questions)                             |
| 116 | Unit B, Chemistry, Module 2, Assignment 3 |   |
|     |   | Study Section: 10.3 (Videos + Textbook)                                   |
|     |   | Take corresponding video quizzes  |
| 117 | Unit B, Chemistry, Module 2, Assignment 4 |   |
|     |   | Perform Activity: Half Life   |
| 118 | Unit B, Chemistry, Module 2, Assignment 5 |   |
|     |   | Study Section: IS-10B Radiometric Dating (Videos + Textbook)              |
|     |   | Take corresponding video quizzes  |
| 119 | Unit B, Chemistry, Module 2, Assignment 6 |   |
|     |   | Study Section: 10.4 (Videos + Textbook)                                   |
|     |   | Take corresponding video quizzes  |
|     |   | Study Fission NTQ (Next-time Questions)                                   |
| 120 | Unit B, Chemistry, Module 2, Assignment 7 |   |
|     |   | Study Essay "Safer Reactors" available in the Doc Share                   |
|     |   | Search the internet for additional information regarding thorium reactors |
| 121 | Unit B, Chemistry, Module 2, Assignment 8 |   |
|     |   | Study Section: 10.5, IS-10C Nuclear Fusion (Videos + Textbook)            |
|     |   | Take corresponding video quizzes  |
|     |   | Video Share: Watch video on ITER  |
|     |   | Search the internet for the latest information regarding the ITER         |
| 122 | Unit B, Chemistry, Module 2, Assignment 9 |   |
|     |   | Take Module Reading Quiz  |

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| 123 | Unit B, Chemistry, Module 2, Assignment 10 |   |
|     |  | Download and work on Practice Pages from the Doc Share  |
| 124 | Unit B, Chemistry, Module 2, Assignment 11 |   |
|     |  | Textbook End-of-Chapter Questions (In Writing): Answer odd-numbered "Reading Check" questions |
| 125 | Unit B, Chemistry, Module 2, Assignment 12 |   |
|     |  | Textbook End-of-Chapter Questions (In Writing): Page 260: Answer 21, 25.                      |
|     |  | Textbook End-of-Chapter Questions (In Writing): Page 261: Answer 31, 35, 43.                  |
|     |  | Textbook End-of-Chapter Questions (In Writing): Page 262: Answer 49, 55, 63, 73.              |
|     |  | Textbook End-of-Chapter Questions (In Writing): Page 263: Answer 79, 81, 85, 89, 93.          |
| 126 | Unit B, Chemistry, Module 2, Assignment 13 |   |
|     |  | Answer correctly at least 10 questions from the Homework Practice Session (HPS)               |
| 127 | Unit B, Chemistry, Module 3, Assignment 1  |   |
|     |  | Study Sections: 11.1 - 11.2 (Videos + Textbook)   |
|     |  | Take corresponding video quizzes  |
| 128 | Unit B, Chemistry, Module 3, Assignment 2  |   |
|     |  | Study Sections: 11.3 - 11.4 (Videos + Textbook)   |
|     |  | Take corresponding video quizzes  |
| 129 | Unit B, Chemistry, Module 3, Assignment 3  |   |
|     |  | Perform Activity: Tubular Rust  |
|     |  | Study Elements NTQ (Next-time Questions)  |
| 130 | Unit B, Chemistry, Module 3, Assignment 4  |   |
|     |  | Study Sections: 11.5 - 11.6 (Videos + Textbook)   |
|     |  | Take corresponding video quizzes  |
| 131 | Unit B, Chemistry, Module 3, Assignment 5  |   |
|     |  | Study Sections: 11.7, IS-11A Nanotechnology (Videos + Textbook)                               |
|     |  | Take corresponding video quizzes  |



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| 132 | Unit B, Chemistry, Module 3, Assignment 6  |   |
|     |  | Take Module Reading Quiz  |
| 133 | Unit B, Chemistry, Module 3, Assignment 7  |   |
|     |  | Download and work on Practice Pages from the Doc Share  |
| 134 | Unit B, Chemistry, Module 3, Assignment 8  |   |
|     |  | Textbook End-of-Chapter Questions (In Writing): Answer odd-numbered "Reading Check" questions |
| 135 | Unit B, Chemistry, Module 3, Assignment 9  |   |
|     |  | Textbook End-of-Chapter Questions (In Writing): Page 284: Answer 35, 37, 41, 43.              |
|     |  | Textbook End-of-Chapter Questions (In Writing): Page 285: Answer 55, 59, 61, 67, 73.          |
|     |  | Textbook End-of-Chapter Questions (In Writing): Page 286: Answer 75, 79, 83, 85, 95.          |
| 136 | Unit B, Chemistry, Module 3, Assignment 10 |   |
|     |  | Answer correctly at least 10 questions from the Homework Practice Session (HPS)               |
| 137 | Unit B, Chemistry, Module 4, Assignment 1  |   |
|     |  | Study Sections: 12.1 - 12.2 (Videos + Textbook)   |
|     |  | Take corresponding video quizzes  |
| 138 | Unit B, Chemistry, Module 4, Assignment 2  |   |
|     |  | Study Section: 12A Metals (Videos + Textbook)   |
|     |  | Take corresponding video quizzes  |
| 139 | Unit B, Chemistry, Module 4, Assignment 3  |   |
|     |  | Study Sections: 12.3 - 12.4 (Videos + Textbook)   |
|     |  | Take corresponding video quizzes  |
| 140 | Unit B, Chemistry, Module 4, Assignment 4  |   |
|     |  | Study Section: 12.5 (Videos + Textbook)   |
|     |  | Take corresponding video quizzes  |
| 141 | Unit B, Chemistry, Module 4, Assignment 5  |   |

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|     |  | Perform Activity: Rainbows  |
| 142 | Unit B, Chemistry, Module 4, Assignment 6  | Study Sections: 12.6, IS-12B Mixtures (Videos + Textbook)                                     |
|     |  | Take corresponding video quizzes  |
|     |  | Study Bond Interactions NTQ (Next-time Questions)   |
| 143 | Unit B, Chemistry, Module 4, Assignment 7  |   |
|     |  | Study Sections: 12.7 - 12.8 (Videos + Textbook)   |
|     |  | Take corresponding video quizzes  |
| 144 | Unit B, Chemistry, Module 4, Assignment 8  |   |
|     |  | Perform Activity: Pure Sweetness  |
| 145 | Unit B, Chemistry, Module 4, Assignment 9  |   |
|     |  | Take Module Reading Quiz  |
|     |  | Study Solutions NTQ (Next-time Questions)   |
| 146 | Unit B, Chemistry, Module 4, Assignment 10 |   |
|     |  | Download and work on Practice Pages from the Doc Share  |
| 147 | Unit B, Chemistry, Module 4, Assignment 11 |   |
|     |  | Textbook End-of-Chapter Questions (In Writing): Answer odd-numbered "Reading Check" questions |
| 148 | Unit B, Chemistry, Module 4, Assignment 12 |   |
|     |  | Textbook End-of-Chapter Questions (In Writing): Page 320: Answer 29.                          |
|     |  | Textbook End-of-Chapter Questions (In Writing): Page 321: Answer 33, 37, 41, 43.              |
|     |  | Textbook End-of-Chapter Questions (In Writing): Page 322: Answer 47, 57, 65, 67, 71.          |
|     |  | Textbook End-of-Chapter Questions (In Writing): Page 323: Answer 77, 81, 85, 89, 91.          |
|     |  | Textbook End-of-Chapter Questions (In Writing): Page 324: Answer 99.                          |
| 149 | Unit B, Chemistry, Module 4, Assignment 13 |   |
|     |  | Answer correctly at least 10 questions from the Homework Practice Session (HPS)               |
| 150 | Unit B, Chemistry, Module 5, Assignment 1  |   |

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|     |  | Study Section: 13.1 (Videos + Textbook)                                     |
|     |  | Take corresponding video quizzes  |
|     |  | Play with PhET simulation: Balancing Equations                              |
| 151 | Unit B, Chemistry, Module 5, Assignment 2  |   |
|     |  | Study Section: 13.2 (Videos + Textbook)                                     |
|     |  | Take corresponding video quizzes  |
| 152 | Unit B, Chemistry, Module 5, Assignment 3  |   |
|     |  | Study Sections: 13.3, IS-13A Catalysts (Videos + Textbook)                  |
|     |  | Take corresponding video quizzes  |
|     |  | Study Reactions NTQ (Next-time Questions)                                   |
| 153 | Unit B, Chemistry, Module 5, Assignment 4  |   |
|     |  | Study Section: 13.4 (Videos + Textbook)                                     |
|     |  | Take corresponding video quizzes  |
| 154 | Unit B, Chemistry, Module 5, Assignment 5  |   |
|     |  | Study Sections: 13.5, Math Connection, IS-13B Acid Rain (Videos + Textbook) |
|     |  | Take corresponding video quizzes  |
| 155 | Unit B, Chemistry, Module 5, Assignment 6  |   |
|     |  | Perform Activity: Cabbage   |
| 156 | Unit B, Chemistry, Module 5, Assignment 7  |   |
|     |  | Study Sections: 13.6, IS-13C Fuel Cells (Videos + Textbook)                 |
|     |  | Take corresponding video quizzes  |
| 157 | Unit B, Chemistry, Module 5, Assignment 8  |   |
|     |  | Perform Activity: Taste of Money (Parental supervision)                     |
| 158 | Unit B, Chemistry, Module 5, Assignment 9  |   |
|     |  | Study Section: 13.7 (Videos + Textbook)                                     |
|     |  | Take corresponding video quizzes  |
| 159 | Unit B, Chemistry, Module 5, Assignment 10 |   |

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|     |  | Take Module Reading Quiz  |
| 160 | Unit B, Chemistry, Module 5, Assignment 11 |   |
|     |  | Download and work on Practice Pages from the Doc Share  |
| 161 | Unit B, Chemistry, Module 5, Assignment 12 |   |
|     |  | Textbook End-of-Chapter Questions (In Writing): Answer odd-numbered "Reading Check" questions |
| 162 | Unit B, Chemistry, Module 5, Assignment 13 |   |
|     |  | Textbook End-of-Chapter Questions (In Writing): Page 356: Answer 31.                          |
|     |  | Textbook End-of-Chapter Questions (In Writing): Page 357: Answer 37, 39.                      |
|     |  | Textbook End-of-Chapter Questions (In Writing): Page 358: Answer 45a, 45b, 49, 51.            |
|     |  | Textbook End-of-Chapter Questions (In Writing): Page 359: Answer 57, 63, 69, 71.              |
|     |  | Textbook End-of-Chapter Questions (In Writing): Page 360: Answer 79, 85, 89.                  |
|     |  | Textbook End-of-Chapter Questions (In Writing): Page 361: Answer 99, 103.                     |
| 163 | Unit B, Chemistry, Module 5, Assignment 14 |   |
|     |  | Answer correctly at least 10 questions from the Homework Practice Session (HPS)               |
| 164 | Unit B, Chemistry, Module 6, Assignment 1  |   |
|     |  | Study Section: 14.1 (Videos + Textbook)   |
|     |  | Take corresponding video quizzes  |
| 165 | Unit B, Chemistry, Module 6, Assignment 2  |   |
|     |  | Study Sections: 14.2 - 14.3 (Videos + Textbook)   |
|     |  | Take corresponding video quizzes  |
| 166 | Unit B, Chemistry, Module 6, Assignment 3  |   |
|     |  | Study Section: 14.4 (Videos + Textbook)   |
|     |  | Take corresponding video quizzes  |
| 167 | Unit B, Chemistry, Module 6, Assignment 4  |   |
|     |  | Study Section: 14.5 (Videos + Textbook)   |
|     |  | Take corresponding video quizzes  |

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| 168 | Unit B, Chemistry, Module 6, Assignment 5  |   |
|     |  | Study Section: 14.6 (Videos + Textbook)   |
|     |  | Take corresponding video quizzes  |
| 169 | Unit B, Chemistry, Module 6, Assignment 6  |   |
|     |  | Download and work on Practice Pages from the Doc Share  |
| 170 | Unit B, Chemistry, Module 6, Assignment 7  |   |
|     |  | Study Section: IS-14A Drug Action (Videos + Textbook)   |
|     |  | Take corresponding video quizzes  |
|     |  | Study pages 394 - 395 "Mind-Enhancing Drugs"  |
| 171 | Unit B, Chemistry, Module 6, Assignment 8  |   |
|     |  | Study Section: 14.7 (Videos + Textbook)   |
|     |  | Take corresponding video quizzes  |
| 172 | Unit B, Chemistry, Module 6, Assignment 9  |   |
|     |  | Take Module Reading Quiz  |
|     |  | Study Organic NTQ (Next-time Questions)   |
| 173 | Unit B, Chemistry, Module 6, Assignment 10 |   |
|     |  | Textbook End-of-Chapter Questions (In Writing): Answer odd-numbered "Reading Check" questions                   |
| 174 | Unit B, Chemistry, Module 6, Assignment 11 |   |
|     |  | Textbook End-of-Chapter Questions (In Writing): Page 388: Answer 35, 37, 39, 43.                                |
|     |  | Textbook End-of-Chapter Questions (In Writing): Page 389: Answer 53, 55, 57, 65, 69.                            |
|     |  | Textbook End-of-Chapter Questions (In Writing): Page 390: Answer 83, 87.  |
|     |  | Textbook End-of-Chapter Questions (In Writing): Page 391: Answer 95.  |
| 175 | Unit B, Chemistry, Module 6, Assignment 12 |   |
|     |  | Answer correctly at least 10 questions from the Homework Practice Session (HPS)                                 |
| 176 | Unit B, Chemistry, Module 6, Assignment 13 |   |
|     |  | For chapters 9 through 14, answer question number 5 from each of the "Readiness Assurance Test" (RAT) sections. |

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|     |  | Look to the upside down answer keys to see how you did. If you got at least 4 out of 6 correct, then you're ready for the unit exam.   |
|     |  | If you got less than 4 correct, then research the questions you got wrong and then take a break. Then answer question number 6 from each of the RATs.                                |
|     |  | Look to the answer key to see how you did. If you got at least 4 out of 6 correct, then you're ready for the unit exam.  |
|     |  | If you got less than 4 correct, then research the questions you got wrong and then take a break. Then answer question number 7 from each of the RATs.                                |
|     |  | Congratulations. Regardless of how many you got correct, you're ready for the unit exam.   |
| 177 | Unit B, Chemistry, Module 6, Assignment 14 |  |
|     |  | Discuss with others what you have learned so far from this the chemistry portion of this course. Discusss the challenges, struggles, and successes.                                  |
| 178 | Unit B, Chemistry, Module 6, Assignment 15 |  |
|     |  | Take your second unit exam downloadable from the FYI page. Ideally you'll be able to take this exam with others, including friends and family, as spelled out within the directions. |
| 179 | Unit B, Chemistry, Module 6, Assignment 16 |  |
|     |  | Discuss with others what you have learned so far from this course. Discusss the challenges, struggles, and successes.  |
| 180 | Unit B, Chemistry, Module 6, Assignment 17 |  |
|     |  | Look ahead to the chapter sections of Conceptual Integrated Science Year 2 (Biology, Earth Science, and Astronomy) to get a sense of what will be coming next.                       |
| 181 | Unit B, Chemistry, Module 6, Assignment 18 |  |
|     |  | Answer the questions at the end of the "How to Study Effectively" document found in the Doc Share of the first module of the first unit. ;-)   |