**SCIENCE 10 - COURSE SYLLABUS – 2015**

**TEACHER: Mrs. McBride (www.**[**theamcbride.weebly.com**](mailto:theamcbride@weebly.com)**)**

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| **Class #** | **Approx. Date** | **Text**  **CH.** | **Assignments, PowerPoint Presentations, Quizzes, Tests, Exams, Labs, Projects, Classroom Activities, Etc.** |  |
| 1 | Feb. 10 | All  CH. | * Orientation – Course Outline, Course Syllabus, Textbook Sign Out * Textbook Scavenger Hunt * Safety in the Lab * PowerPoint on "The Scientific Method" |  |
| 2 | Feb. 12 | Science  Skill  2&5 | * Course Selection Assembly * Scientific Method: Developing An Hypothesis Worksheet & Drawing Line Graphs |  |
| 3 | Feb. 16 | CH. 1 | **UNIT 1**   * Complete Scientific Method, Hypothesis, Graphing * PowerPoint (1.1) Biomes * Reading Assignment (1.1) * CH. 1 Practice Booklet & Vocabulary Booklet |  |
| 4 | Feb. 18 | CH. 1 | * Bill Nye Video on "Biodiversity & video Worksheet * BLM (1-8)(1-11) Climatographs & Ecological Heirarchies * PowerPoint (1.2) * Reading Assignment (1.2) |  |
| 5 | Feb. 23 | CH. 1 | * Biome Poster Project |  |
| 6 | Feb. 25 | CH. 1 | * Biome Poster Project * Pre-Reading Assignment (2.1) |  |
| 7 | Feb. 27 | CH. 1  CH. 2 | * Biome Poster Project (complete for homework) * Review & Discuss Answers to CH. 1 Practice Booklet * PowerPoint (2.1) * CH. 2 Practice Booklet & Vocabulary Booklet * Pre-Reading Assignment (2.2) |  |
| 8 | Mar. 2 | CH. 2 | * **CH. 1 Test** * PowerPoint (2.2) * Work on CH. 2 Practice Booklet & Vocab. Booklet * Nutrient Cycles in Ecosystems – Videos, Demos, Activities * Pre-Reading Assignment CH. 2 (2.3) |  |
| 9 | Mar. 5 | CH. 2 | * PowerPoint (2.3) * CH. 2 Practice Booklet & Vocabulary Booklet * Bioaccumulation on Ecosystem – Videos, Demos, Activities |  |
| 10 | Mar. 9 | CH. 2 | * Review & Discuss Answers to CH. 2 Practice Booklet * **CH. 2 Test** * Pre-Reading Assignment (3.1) * CH. 3 Practice Booklet & Vocabulary Booklet |  |
| 11 | Mar. 11 | CH. 3 | * PowerPoint (3.1) * CH. 3 Practice Booklet & Vocabulary Booklet * How Changes Occur Naturally in Ecosystems – Videos, Demos, Activities * Pre-Reading Assignment (3.2) |  |
| 12 | Mar. 13 | CH. 3 | * PowerPoint (3.2) * CH. 3 Practice Booklet & Vocabulary Booklet * How Humans Influence Ecosystems – Videos, Demos, Activities * Pre-Reading Assignment (3.3) |  |
| M A R C H B R E A K | | | | |
| 13 | Mar. 31 | CH. 3 | * PowerPoint (3.3) * CH. 3 Practice Booklet & Vocabulary Booklet * How Introduced Species Affect Ecosystems – Videos, Demos, Activities * Study for UNIT 1 Test which will be next class |  |
| 14 | Apr. 2 | CH. 3 | * Review & Discuss Answers to CH. 3 Practice Booklet * UNIT 1 Summary & Review Time * UNIT 1 Test * Pre-Reading Assignment (4.1) |  |
| 15 | Apr. 8 | CH. 4 | **UNIT 2**   * PowerPoint (4.1) * CH. 4 Practice Booklet & Vocabulary Booklet * Chemistry DVD * Chemistry Data Booklet – how to use * Atomic Theory and Bonding * Pre-Reading Assignment (4.2) |  |
| 16 | Apr. 10 | CH. 4 | * PowerPoint (4.2) * CH. 4 Practice Booklet & Vocabulary Booklet * Chemistry DVD * Names and Formulas of Compounds * Pre-Reading Assignment (4.3) |  |
| 17 | Apr. 14 | CH. 4 | * PowerPoint (4.3) * CH. 4 Practice Booklet & Vocabulary Booklet * Chemistry DVD * Chemical Equations * Videos, Demos, Activities |  |
| 18 | Apr. 16 | CH. 4 | * Review & Discuss Answers to CH. 4 Practice Booklet * **CH. 4 Test** * Pre-Reading Assignment (5.1) * CH. 5 Practice Booklet & Vocabulary Booklet |  |
| 19 | Apr. 20 | CH. 5 | * PowerPoint (5.1) * CH. 5 Practice Booklet & Vocabulary Booklet * Chemistry DVD * Acids and Bases * Pre-Reading Assignment (5.2) |  |
| 20 | Apr. 22 | CH. 5 | * Lab (5-1B) Properties of Acids and Bases (p. 230, 231) * PowerPoint (5.2) * CH. 5 Practice Booklet & Vocabulary Booklet * Pre-Reading Assignment (5.3) |  |
| 21 | Apr. 24 | CH. 5 | * PowerPoint (5.3) * CH. 5 Practice Booklet & Vocabulary Booklet * Organic Compounds Videos, Demos, Activities |  |
| 22 | Apr. 28 | CH. 5 | * Review & Discuss Answers to CH. 5 Practice Booklet * **CH. 5 Test** * Pre-Reading Assignment (6.1) * CH. 6 Practice Booklet & Vocabulary Booklet |  |
| 23 | Apr. 30 | CH. 6 | * PowerPoint (6.1) * CH. 6 Practice Booklet & Vocabulary Booklet * Pre-Reading Assignment (6.2) |  |
| 24 | May 4 | CH. 6 | * CH. 6 Practice Booklet & Vocabulary Booklet * Types of Chemical Reactions * Videos, Demos, Activities |  |
| 25 | May 6 | CH. 6 | * PowerPoint (6.2) * CH. 6 Practice Booklet & Vocabulary Booklet * Factors Affecting the Rate of Chemical Reactions * Videos, Demos, Activities |  |
| 26 | May 8 | CH. 6 | * Review & Discuss Answers to CH. 6 Practice Booklet * UNIT 2 Summary & Review Time * **UNIT 2 Test** * Pre-Reading Assignment (12.1) |  |
| 27 | May 12 | CH. 12 | * **UNIT 4** * PowerPoint (12.1) * CH. 12 Practice Booklet & Vocabulary Booklet * Continental Drift Videos, Demos, Activities |  |
| 28 | May 14 | CH. 12 | * CH. 12 Practice Booklet & Vocabulary Booklet * Continental Drift Videos, Demos, Activities * Pre-Reading Assignment (12.2) |  |
| 29 | May 19 | CH. 12 | * PowerPoint (12.2) * CH. 12 Practice Booklet & Vocabulary Booklet * Plate Techtonics Videos, Demos, Activities |  |
| 30 | May 21 | CH. 12 | * Review & Discuss Answers to CH. 12 Practice Booklet * **CH. 12 Test** * Pre-Reading Assignment (8.1) * CH. 8 Practice Booklet & Vocabulary Booklet |  |
| 31 | May 25 | CH. 8 | **UNIT 3**   * PowerPoint (8.1) * CH. 8 Practice Booklet & Vocabulary Booklet * Motion Videos, Demos, Activities |  |
| 32 | May 27 | CH. 8 | * CH. 8 Practice Booklet & Vocabulary Booklet * Motion Videos, Demos, Activities * Pre-Reading Assignment (8.2) |  |
| 33 | May 29 | CH. 8 | * PowerPoint (8.2) * CH. 8 Practice Booklet & Vocabulary Booklet * Average Velocity Videos, Demos, Activities * Pre-Reading Assignment (7.1) * CH. 7 Practice Booklet & Vocabulary Booklet |  |
| 34 | June 2 | CH. 1  CH. 7  CH. 8 | * CH. 1 - Review (40 minutes) * CH. 7 – PowerPoint (7.1) * Review & Discuss Answers to CH. 8 Practice Booklet * Pre-Reading Assignment (7.2) |  |
| 35 | June 4 | CH. 2  CH. 7  CH. 8 | * **CH. 8 Test** * CH. 2 - Review (40 minutes) * CH. 7 – PowerPoint (7.2) * Pre-Reading Assignment (9.1) * Pre-Reading Assignment (7.3) |  |
| 36 | June 8 | CH. 3  CH. 7  CH. 9 | * CH. 3 - Review (40 minutes) * CH. 7 – PowerPoint (7.3) * PowerPoint (9.1) * CH. 9 Practice Booklet & Vocabulary Booklet |  |
| 37 | June 10 | CH. 4  CH. 7  CH. 9 | * CH. 4 - Review (40 minutes) - Chemistry DVD * CH. 7 Practice Booklet & Vocabulary Booklet * CH. 9 Practice Booklet & Vocabulary Booklet * Acceleration Videos, Demos, Activities * Pre-Reading Assignment (9.2) |  |
| 38 | June 12 | CH. 5  CH. 7  CH. 9 | * CH. 5 - Review (40 minutes) – Chemistry DVD * CH. 7 Practice Booklet & Vocabulary Booklet * PowerPoint (9.2) * CH. 9 Practice Booklet & Vocabulary Booklet |  |
| 39 | June 16 | CH. 6  CH. 7  CH. 9 | * CH. 6 - Review (40 minutes) * CH. 7 Practice Booklet & Vocabulary Booklet * CH. 9 Practice Booklet & Vocabulary Booklet * Calculating Acceleration Videos, Demos, Activities |  |
| 40 | June 18  LAST CLASS! | CH. 12  CH. 7  CH. 9 | * CH. 12 - Review (40 minutes) * Review & Discuss Answers to CH. 7 Practice Booklet * Review & Discuss Answers to CH. 9 Practice Booklet |  |

Important Information About the Science 10 Provincial Exam

Science 10 Final Mark is composed of:

(Term 3 – 40%)

(Term 4 – 40%)

(Provincial Exam 20%)

Chemistry Data Booklets: 20 – 25% of the questions on the Provincial Exam involve knowing how to use the these booklets

Percentage of Questions on the Provincial Exam by Units:

Earth's Ecosystems (Chapters 1, 2, 3) 25%

Chemistry (Chapters 4, 5, 6) 35%

Motion (Chapter 8, 9) & Radioactivity (Chapter 7) 25%

Plate Tectonics (Chapter 12) 15%

**School Year 2015 Projected Dates for the SCIENCE 10 PROVINCIAL EXAM:**

**June 22, June 23, June 24 (one of these dates will be scheduled for your class)**