

**SCHEDULE OF TOPICS FOR REGENTS EARTH SCIENCE 2008-2009**

**TOPIC 1+2** Sept 4<sup>TH</sup> – Sept 16<sup>TH</sup> (9 DAYS) **EXAM ON September 17<sup>th</sup>**

**TOPIC 3** Sept 19<sup>th</sup> – Oct 2<sup>nd</sup> (10 DAYS) **EXAM on October 3<sup>rd</sup>**

**TOPIC 4** Oct 6<sup>th</sup> – Oct. 30<sup>th</sup> ( 18 DAYS) **(TEN WEEK) EXAM on October 31<sup>st</sup>**

**TOPIC 5+6** Nov 3<sup>rd</sup> – Nov 24<sup>th</sup> (15 DAYS) **EXAM on November 25<sup>th</sup>**

**TOPIC 7** Dec 1<sup>st</sup>- Dec 22<sup>nd</sup> (16DAYS) **EXAM on December 23<sup>rd</sup>**

**TOPIC 8** Jan 5<sup>th</sup> – Jan 20<sup>th</sup> ( 11 DAYS) **(TEN WEEK) EXAM on January 21<sup>st</sup>**

**Regents Week Jan 27<sup>th</sup> – 30<sup>th</sup>** **MID-TERM TBA**

**TOPIC 9+10** Jan 22<sup>nd</sup> – Feb 12<sup>th</sup> (11 DAYS) **EXAM on February 13<sup>th</sup>**

**TOPIC 11** Feb 23<sup>rd</sup> – Mar 16<sup>th</sup> (16 DAYS) **EXAM on March 17<sup>th</sup>**

**TOPIC 12** Mar 19<sup>th</sup> – Apr 6<sup>th</sup> (13 DAYS) **(TEN WEEK) EXAM on April 7<sup>th</sup>**

**TOPIC 13** Apr 20<sup>th</sup> – May 11<sup>th</sup> (16 DAYS) **EXAM on May 12<sup>th</sup>**

**TOPIC 14** May 13<sup>th</sup> – May 20<sup>th</sup> (6 DAYS) **EXAM on May 21<sup>st</sup>**

**REGENTS REVIEW (14 days)** **May 27<sup>th</sup> – June 15<sup>th</sup>**

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**REGENTS LABORATORY PERFORMANCE TEST** **JUNE 1<sup>st</sup> – JUNE 5<sup>th</sup>**

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**REGENTS EXAM WEEK** **JUNE 16<sup>TH</sup> – JUNE 25<sup>th</sup>**

**\*\* REMEMBER ALL LABS MUST BE COMPLETED TO BE ELIGIBLE TO TAKE THE EXAM!!!!!!**

## **QUARTER 1**

### **TOPIC 1+2 Introduction to Earth's Changing Environment**

- Observations and inferences
- Density
- The Changing Environment
- Human Interaction and the Environment

### **TOPIC 3 Measuring Earth**

- Size and Shape of Earth
- Spheres of Earth
- Locating Positions on Earth
- Fields
- Mapping Earth's Surface

### **TOPIC 4 Earth in the Universe, Motions of Earth, Moon, and Sun**

- Origin and age of the Universe
- Structure of the Universe
- Solar System
- Apparent Motions of Celestial Objects
- Models of the Solar System
- Earth and Moon Motions and Time
- Actual Motions of Earth's Moon

## **QUARTER 2**

### **TOPIC 5+6 Energy in Earth Processes, Insolation and the Seasons**

- Electromagnetic Energy
- Transfer of energy
- Transformation of energy
- Temperature and Heat
- Heat Energy and Changes of State
- Earth's Energy Supply
- Solar Radiation and Insolation
- Variations in Insolation
- Seasons

### **Topic 7 Weather**

- Atmospheric Temperature
- Atmospheric Pressure and Density
- Wind
- General Circulation of air in the Troposphere
- Atmospheric Moisture
- Air Masses and Fronts
- Storms and Severe Weather
- Weather Prediction and Probability

### **Topic 8 Ground Water and Climate**

- The Water Cycle
- Water Budgets
- Climate

## **QUARTER 3**

### **TOPIC 9+10 Weathering, Erosion, and Deposition**

- Weathering
- Erosion
- Factors Causing Deposition
- Sorting of Sediments and Deposition
- A model of the Erosional/depositional system
- Characteristic Features of Depositional Agents

### **TOPIC 11 Earth's Materials, Minerals, Rocks, and Mineral Resources**

- Minerals
- Rocks
- Mineral Resources

### **TOPIC 12 Earth's Dynamic Crust and Interior**

- Small scale Crustal changes
- Earthquakes and Igneous Activity, including Volcanoes
- A Model of Earth's Interior
- Plate Tectonics
- Mountain Building

## **QUARTER 4**

### **TOPIC 13 Interpreting Geological History**

- Relative Dating of Rocks and Events
- Correlation
- Geological History from the Rock Record
- Absolute Dating of Rocks using Radioactive Decay
- Evolution of Earth and life

### **TOPIC 14 Landscape development and Environmental Change**

- Measuring Landscape Characteristics
- Landscape regions
- Factors of Landscape Development
- Bedrock structure
- People and Landscape Development

## **REGENTS REVIEW**