

NUMBER: **701/702**

TITLE: **SCIENCE 7**

GRADE(S): 7

MEETS: DAILY

LENGTH: YEAR

CREDIT: 5 per semester

**COURSE OUTCOMES:** To accomplish this goal the following areas are emphasized.

1. Organizing information by communicating, classifying, sequencing, concept mapping, making and using tables and graphs.
2. Thinking critically by observing, inferring, comparing, contrasting, recognizing cause and effect, forming operational definitions.
3. Practicing scientific processes by forming a hypothesis, designing an experiment to test a hypothesis, separating and controlling variables, and interpreting data.
4. Representing and applying data by interpreting scientific illustrations, making models, measuring, predicting and using numbers.

**Areas of study in seventh grade science include:**

1. Cell structure and processes
2. Heredity
3. Classification of living things
4. Plant life
5. Animal life
6. Ecology
7. Human body structure and processes

**COURSE SUMMARY:** Beckman Junior High Science objectives and goals strive to develop the thinking skills of students and to encourage students to develop a never-ending appreciation for science.

NUMBER: 711/712

TITLE: EARTH & SPACE

GRADE(S): 8

MEETS: DAILY

LENGTH: YEAR

CREDIT: 5 per semester

**COURSE OUTCOMES:**

To accomplish this goal the following areas are emphasized.

1. Organizing information by communicating, classifying, sequencing, concept mapping, making and using tables and graphs.
2. Thinking critically by observing, inferring, comparing, contrasting, recognizing cause and effect, forming operational definitions.
3. Practicing scientific processes by forming a hypothesis, designing an experiment to test a hypothesis, separating and controlling variables, and interpreting data.
4. Representing and applying data by interpreting scientific illustrations, making models, measuring, predicting and using numbers.

**Areas of study in eighth grade science include:**

1. Materials of the earth
2. The changing surface of the earth
3. Earth's internal processes and structure
4. Earth's history
5. Earth's air and water
6. Taking care of earth's environment
7. Astronomy

**COURSE SUMMARY:** Beckman Junior High Science objectives and goals strive to develop the thinking skills of students and to encourage students to develop a never-ending appreciation for science.