

**2009-2010 DISTRICT STUDENT PERFORMANCE ASSESSMENT GUIDE
SCIENCE
FOURTH GRADE (SC-04)**

8/2009 *pc*

DSPA NUMBER	KEY for ASSESSMENT	CRITICAL CONTENT STANDARD / OBJECTIVE TITLE
1	SC-04-03-01	PROPERTIES OF ENERGY: Construct Parallel and Series Circuits <i>**Enter Adv, Pro, Bas, or BB Rubric Score into PowerGrade</i>
2	SC-04-03-02	PROPERTIES OF ENERGY: Identify Conductors and Insulators <i>**Enter Adv, Pro, Bas, or BB Rubric Score into PowerGrade</i>
3	SC-04-03-03	PROPERTIES OF ENERGY: Describe the Energy of Sound <i>**Enter Adv, Pro, Bas, or BB Rubric Score into PowerGrade</i>

**2009-2010 DISTRICT STUDENT PERFORMANCE ASSESSMENT GUIDE
SCIENCE
FIFTH GRADE (SC-05)**

8/2009 pc

DSPA NUMBER	KEY for ASSESSMENT	CRITICAL CONTENT STANDARD / OBJECTIVE TITLE
1	SC-05-03 Assess Content Standard	<p>MALLO CAMP: 01) Animal Signs 02) Forestry 03) Limnology 04) Entomology 05) Botany 06) Geology 07) Meteorology 08) Directionality 09) Respect for Environment 10) Our Environment: “Each One - Teach One”</p> <p><i>*Mallo Camp objectives are assessed at the Content Standard level by the Mallo Camp instructors and counselors during the time students are at Mallo Camp. This assessment will be by Teacher Observation.</i></p> <p style="text-align: center;">**Enter Yes or No Score into PowerGrade</p>
2	SC-05-04	<p>FORMS OF LIFE: 01) Identify Functions of Body Systems</p> <p style="text-align: center;">**Enter Adv, Pro, Bas, or BB Rubric Score into PowerGrade</p>
3	SC-05-05	<p>ENVIRONMENTAL INTERACTION: 01) Interacting with the Environment</p> <p style="text-align: right;">** Enter Yes/No into PowerGrade</p>

2009-2010 DISTRICT STUDENT PERFORMANCE ASSESSMENT GUIDE
SCIENCE
SIXTH GRADE (SC-06)

8/2009 pc

DSPA NUMBER	KEY for ASSESSMENT	CRITICAL CONTENT STANDARD / OBJECTIVE TITLE
1	SC-06-02-03	GEOLOGY: Dynamic Earth <i>**Enter Adv, Pro, Bas, or BB Rubric Score into PowerGrade</i>

**2009-2010 DISTRICT STUDENT PERFORMANCE ASSESSMENT GUIDE
SCIENCE
SEVENTH GRADE (SC-07)**

6/2009 pc

DSPA NUMBER	KEY for ASSESSMENT	CRITICAL CONTENT STANDARD/OBJECTIVE TITLE/CONTENT
1	SC-07-01-01	PHYSICAL SCIENCE: 01) Forces, Motion, Work <i>**Enter Percent Score into PowerGrade</i>
2	SC-07-01-02	PHYSICAL SCIENCE: 02) Properties of Matter <i>**Enter Percent Score into PowerGrade</i>
3	SC-07-02	LIFE SCIENCE: 01) Organ Systems 02) Heredity <i>**Enter Percent Score into PowerGrade</i>
4	SC-07-04	SCIENTIFIC METHOD: 01) Proper Use of Scientific Method 02) Conduct an Experiment, Report, Analyze 03) Identify a Variable <i>**Enter Adv, Pro, Bas, or BB Rubric Score into PowerGrade</i>
5	SC-07-05	TECHNOLOGY: 01) Utilizing Technology <i>**Enter Adv, Pro, Bas, or BB Rubric Score into PowerGrade</i>

**2009-2010 DISTRICT STUDENT PERFORMANCE ASSESSMENT GUIDE
SCIENCE
EIGHTH GRADE (SC-08)**

6/2009 pc

DSPA NUMBER	KEY for ASSESSMENT	CRITICAL CONTENT STANDARD/OBJECTIVE TITLE/CONTENT
1	SC-08-01	PHYSICAL SCIENCE: 01) Particle Theory 02) Convection, Conduction, and Radiation <i>**Enter Percent Scores into PowerGrade</i>
2	SC-08-02	LIFE SCIENCE: 01) Adaptation of Organisms to Environmental Changes <i>**Enter Percent Scores into PowerGrade</i>
3	SC-08-03	EARTH AND SPACE SCIENCE: 01) Plate Tectonics <i>**Enter Percent Scores into PowerGrade</i>
4	SC-08-04	SPACE SCIENCE: 01) Interaction of Solar System Components <i>**Enter Adv, Pro, Bas, or BB Rubric Score into PowerGrade</i>
5	SC-08-05	SCIENTIFIC METHOD 01) Proper Use of Scientific Method <i>**Enter Adv, Pro, Bas, or BB Rubric Score into PowerGrade</i>
6	SC-08-06	TECHNOLOGY: 01) Utilizing Technology <i>**Enter Adv, Pro, Bas, or BB Rubric Score into PowerGrade</i>

**2009-2010 DISTRICT STUDENT PERFORMANCE ASSESSMENT GUIDE
SCIENCE
NINTH GRADE (SC-09)**

6/2009 pc

DSPA NUMBER	KEY for ASSESSMENT	CRITICAL OBJECTIVE TITLE/CONTENT
1	SC-09-01	<p>PHYSICAL SCIENCE - PHYSICS: 01) Measure/Calculate Velocity, Acceleration, and Force 02) Mass, Force, and Acceleration</p> <p style="text-align: right;"><i>**Enter Percent Scores into PowerGrade</i></p>
2	SC-09-03	<p>LIFE SCIENCE: 01) Interdependence of Organisms</p> <p style="text-align: right;"><i>**Enter Adv, Pro, Bas, or BB Rubric Scores into PowerGrade</i></p>
3	SC-09-04	<p>EARTH SCIENCE: 01) Geochemical Cycles 02) Global Energy and Climate</p> <p style="text-align: right;"><i>**Enter Percent Scores into PowerGrade</i></p>
4	SC-09-05	<p>SPACE SCIENCE: 01) Star Formation and Evolution 02) Big Bang Theory</p> <p style="text-align: right;"><i>**Enter Percent Score into PowerGrade</i></p>
5	SC-09-06	<p>SCIENTIFIC METHOD : 01) Conduct an Experiment--Analyze/Report Data</p> <p style="text-align: right;"><i>**Enter Adv, Pro, Bas, or BB Rubric Score into PowerGrade</i></p>

2009-2010 DISTRICT STUDENT PERFORMANCE ASSESSMENT GUIDE
SCIENCE
BIOLOGY (SC-BI)

6/2009 pc

DSPA NUMBER	KEY for ASSESSMENT	CRITICAL CONTENT STANDARD/OBJECTIVE TITLE/CONTENT
1	SC-BI-02	<p>CELLULAR BIOLOGY: 01) Cell Parts and Processes I 02) Cell Parts and Process II</p> <p style="text-align: right;"><i>**Enter Adv, Pro, Bas, or BB Rubric Score into PowerGrade</i></p>
2	SC-BI-03	<p>HEREDITY: 01) Molecular Basis of Heredity I 02) Molecular Basis of Heredity II</p> <p style="text-align: right;"><i>**Enter Adv, Pro, Bas, or BB Rubric Score into PowerGrade</i></p>
3	SC-BI-04	<p>EVOLUTION, ADAPTATION, INTERDEPENDENCE: 01) Identify Evolutionary Relationships 02) Natural Selection 03) Adaptation 04) Biodiversity 05) Interdependence and Interaction</p> <p style="text-align: right;"><i>**Enter Adv, Pro, Bas, or BB Rubric Score into PowerGrade</i></p>
4	SC-BI-06-01	<p>SCIENTIFIC INQUIRY: Scientific Investigation and Communication</p> <p style="text-align: right;"><i>**Enter Adv, Pro, Bas, or BB Rubric Score into PowerGrade</i></p>

**2009-2010 DISTRICT STUDENT PERFORMANCE ASSESSMENT GUIDE
SCIENCE
CHEMISTRY (SC-CH)**

6/2009 pc

DSPA NUMBER	Key for Assessment	CRITICAL CONTENT STANDARD / OBJECTIVE TITLE/CONTENT
1	SC-CH-03-01	MATTER AND ITS CHANGES: Distinguish Types and Changes of Matter <p style="text-align: right;"><i>**Enter Percent Score into PowerGrade</i></p>
2	SC-CH-04-01	ATOMIC STRUCTURE: Subatomic Particles (Protons, Electrons, Neutrons) <p style="text-align: right;"><i>**Enter Percent Score into PowerGrade</i></p>
3	SC-CH-05-01	EQUATIONS: Predict the Products for Chemical Reactions <p style="text-align: right;"><i>**Enter Percent Score into PowerGrade</i></p>
4	SC-CH-05-02	EQUATIONS: Stoichiometry--Theoretical, Experimental, and Percent Yield <p style="text-align: right;"><i>**Enter Percent Score into PowerGrade</i></p>
5	SC-CH-08-01	LAB SAFETY: Lab Safety Awareness and Practices <p style="text-align: right;"><i>**Enter Percent Score into PowerGrade</i></p>

2009-2010 DISTRICT STUDENT PERFORMANCE ASSESSMENT GUIDE
SCIENCE
PHYSICAL SCIENCE / PHYSICS (SC-PI)
(one semester)

6/2009 *pc*

DSPA NUMBER	Key for Assessment	CRITICAL CONTENT STANDARD / OBJECTIVE TITLE
1	SC-PI-02-01	MOTION: Measure/Graph Speed, Acceleration, Momentum <i>**Enter Percent Score into PowerGrade</i>
2	SC-PI-03-01	ENERGY: Measure/Calculate Potential and Kinetic Energy <i>**Enter Percent Score into PowerGrade</i>

2009-2010 DISTRICT STUDENT PERFORMANCE ASSESSMENT GUIDE
SCIENCE
PHYSICAL SCIENCE / CHEMISTRY (SC-PC)
(one semester)

6/2009 *pc*

DSPA NUMBER	KEY for ASSESSMENT	CRITICAL CONTENT STANDARD / OBJECTIVE TITLE
1	SC-PC-01	CLASSIFICATION OF MATTER: 01) Matter Classified According to Phase/Composition 02) Transformation of Matter <i>**Enter Percent Score into PowerGrade</i>
2	SC-PC-02	CHEMICAL SCIENCE METHODS: 01) Atomic Structure and the Periodic Table 02) Arrange Elements on the Periodic Table <i>**Enter Percent Score into PowerGrade</i>
3	SC-PC-03	CHEMICAL INTERACTION: 01) Chemical Symbols, Names, Equations <i>**Enter Percent Score into PowerGrade</i>
4	SC-PC-04	SCIENCE LAB SAFETY: 01) Understand and Follow Safety Procedures <i>**Enter Percent Score into PowerGrade</i>

**2009-2010 DISTRICT STUDENT PERFORMANCE ASSESSMENT GUIDE
SCIENCE
GENERAL EARTH SCIENCE (SC-GE)**

6/2009 pc

DSPA NUMBER	KEY for ASSESSMENTS	CRITICAL CONTENT STANDARD / OBJECTIVE TITLE/CONTENT
1	SC-GE-02-01	METEOROLOGY: Meteorological Data to Predict Weather <p style="text-align: right;"><i>**Enter Percent Score into PowerGrade</i></p>
2	SC-GE-02-02	METEOROLOGY: Using Meteorological Data to Predict the Weather <p style="text-align: right;"><i>**Enter Percent Score into PowerGrade</i></p>
3	SC-GE-03-05	BIOGEOCHEMICAL CYCLES: Biogeochemical Cycles Culmination <p style="text-align: right;"><i>**Enter Percent Score into PowerGrade</i></p>

**2009-2010 DISTRICT STUDENT PERFORMANCE ASSESSMENT GUIDE
SCIENCE
ENVIRONMENTAL CHEMISTRY (SC-EN)
CCHS**

6/2009 pc

DSPA NUMBER	KEY for ASSESSMENT	CRITICAL CONTENT STANDARD / OBJECTIVE TITLE/CONTENT
1	SC-EN-01	SUPPLYING OUR WATER NEEDS: 01) Properties of Water and Aqueous Mixtures <p style="text-align: right;"><i>**Enter Percent Score into PowerGrade</i></p>
2	SC-EN-02	CONSERVING CHEMICAL RESOURCES: 01) Behavior / Properties of Matter 02) Conservation Strategies <p style="text-align: right;"><i>**Enter Percent Score into PowerGrade</i></p>
3	SC-EN-03	PETROLEUM: TO BUILD? TO BURN? 01) Petroleum Products, Petrochemicals, Politics <p style="text-align: right;"><i>**Enter Percent Score into PowerGrade</i></p>
4	SC-EN-04	UNDERSTANDING FOODS: 01) Food Energy 02) Chemical Structure – Carbohydrates, Fats, Proteins <p style="text-align: right;"><i>**Enter Percent Score into PowerGrade</i></p>

2009-2010 DISTRICT STUDENT PERFORMANCE ASSESSMENT GUIDE
SCIENCE
ASTRONOMY (SC-AT)

6/2009 pc

DSPA NUMBER	KEY for ASSESSMENTS	CRITICAL CONTENT STANDARD / OBJECTIVE TITLE/CONTENT
1	SC-AT-05	GALACTIC MORPHOLOGY: Classify the Galactic Objects <i>*Enter Adv, Pro, Bas, or BB Rubric Score into PowerGrade</i>

2009-2010 DISTRICT STUDENT PERFORMANCE ASSESSMENT GUIDE
SCIENCE
ECOLOGY (SC-EG)
at CCHS and WJSHS

6/2009 pc

DSPA NUMBER	KEY for ASSESSMENTS	CRITICAL CONTENT STANDARD / OBJECTIVE TITLE/CONTENT
1	SC-EG-01-04	<p>WYOMING LANDSCAPES and HABITATS: Landscape and Habitat Culmination</p> <p style="text-align: center;"><i>**Enter Adv, Pro, Bas, or BB Rubric Score into PowerGrade</i></p>
2	SC-EG-02-03	<p>EVOLUTION & ADAPTATION: Adaptation Culmination</p> <p style="text-align: center;"><i>**Enter Adv, Pro, Bas, or BB Rubric Score into PowerGrade</i></p>
3	SC-EG-04-03	<p>ECOSYSTEM ECOLOGY: Ecosystem Culmination</p> <p style="text-align: center;"><i>**Enter Adv, Pro, Bas, or BB Rubric Score into PowerGrade</i></p>

2009-2010 DISTRICT STUDENT PERFORMANCE ASSESSMENT GUIDE
SCIENCE
PHYSICS I (SC-PH)

6/2009 *pc*

DSPA NUMBER	KEY for ASSESSMENTS	CRITICAL CONTENT STANDARD / OBJECTIVE TITLE/CONTENT
1	SC-PH-02	MECHANICAL MOTION: 01) Velocity and Acceleration 02) Newton's Three Laws <i>**Enter Adv, Pro, Bas, or BB Rubric Score into PowerGrade</i>

2009-2010 DISTRICT STUDENT PERFORMANCE ASSESSMENT GUIDE
SCIENCE
INTRODUCTION TO GEOLOGY (SC-IG)

6/2009 pc

DSPA NUMBER	KEY for ASSESSMENTS	CRITICAL CONTENT STANDARD / OBJECTIVE TITLE/CONTENT
1	SC-IG-01-03	<p>EARTH MATERIALS: Use of a Key to Identify Minerals and Mineral Properties and Rocks and Rock Formations</p> <p style="text-align: right;"><i>**Enter Percent Score into PowerGrade</i></p>
2	SC-IG-02-01	<p>SURFACE PROCESSES: Lithosphere Plates and Tectonic Activities</p> <p style="text-align: right;"><i>**Enter Percent Score into PowerGrade</i></p>

2009-2010 DISTRICT STUDENT PERFORMANCE ASSESSMENT GUIDE
SCIENCE
APPLIED PHYSICS (SC-AP)

Not being taught 2009-2010

6/2009 pc

DSPA NUMBER	KEY for ASSESSMENTS	CRITICAL CONTENT STANDARD / OBJECTIVE TITLE/CONTENT
1	SC-AP-07-01	FORCE TRANSFORMERS: Kinetic Sculpture Construction <i>**Enter Percent Score into PowerGrade</i>

**2009-2010 DISTRICT STUDENT PERFORMANCE ASSESSMENT GUIDE
SCIENCE
SEVENTH-GRADE SCIENCE - WJSHS (SC-W7)**

6/2009 pc

DSPA NUMBER	KEY for ASSESSMENT	CRITICAL CONTENT STANDARD and OBJECTIVE TITLE/CONTENT
1	SC-W7-01	ORGAN SYSTEMS and ECOSYSTEMS: 01) Ecosystems 02) Organ Systems <i>***Enter Percent Score into PowerGrade</i>
2	SC-W7-02	ADAPTATION OF ORGANISMS TO ENVIRONMENTAL CHANGES: 01) Adaptation <i>***Enter Percent Score into PowerGrade</i>
3	SC-W7-03	HEREDITY: 01) Heredity <i>***Enter Percent Score into PowerGrade</i>
4	SC-W7-04	EVOLUTION AS A THEORY: 01) Evolution and Natural Selection <i>***Enter Percent Score into PowerGrade</i>
5	SC-W7-05	SCIENTIFIC METHOD: 01) Proper Use of Scientific Method 02) Conduct an Experiment; Report and Analyze 03) Identify a Variable <i>***Enter Adv, Pro, Bas, or BB Rubric Score into PowerGrade</i>
6	SC-W7-06	TECHNOLOGY: 01) Utilizing Technology <i>***Enter Adv, Pro, Bas, or BB Rubric Score into PowerGrade</i>

**2009-2010 DISTRICT STUDENT PERFORMANCE ASSESSMENT GUIDE
SCIENCE
EIGHTH-GRADE SCIENCE - WJSH (SC-W8)**

6/2009 pc

DSPA NUMBER	KEY for ASSESSMENT	CRITICAL CONTENT STANDARD and OBJECTIVE TITLE/CONTENT
1	SC-W8-01	PHYSICAL SCIENCE - CHEMISTRY: 01) Structure of an Atom 02) Physical vs. Chemical Changes and Properties 03) Measurement of Matter <i>**Enter Percent Score into PowerGrade</i>
2	SC-W8-02	PHYSICAL SCIENCE - PHYSICS: 01) Forces, Motion, Work <i>**Enter Percent Score into PowerGrade</i>
3	SC-W8-04	SCIENTIFIC METHOD: 01) Proper Use of Scientific Method 02) History of Science <i>**Enter Adv, Pro, Bas, or BB Rubric Score into PowerGrade</i>
4	SC-W8-05	TECHNOLOGY: 01) Utilizing Technology <i>**Enter Adv, Pro, Bas, or BB Rubric Score into PowerGrade</i>

2009-2010 DISTRICT STUDENT PERFORMANCE ASSESSMENT GUIDE
SCIENCE
NINTH-GRADE SCIENCE - WJSH (SC-W9)

6/2009 pc

DSPA NUMBER	KEY for ASSESSMENT	CRITICAL CONTENT STANDARD and OBJECTIVE TITLE/CONTENT
1	SC-W9-01-03	EARTH MATERIALS: 03) Use of Key to Identify Minerals and Mineral Properties and Rocks <i>**Enter Percent Score into PowerGrade</i>
2	SC-W9-02-01	SURFACE PROCESSES: 01) Lithospheric Plates and Tectonic Activities <i>**Enter Percent Score into PowerGrade</i>
3	SC-W9-03-02	BIOGEOCHEMICAL CYCLES: 02) Biogeochemical Cycles Culmination <i>**Enter Percent Score into PowerGrade</i>
4	SC-W9-05-01	GALACTIC MORPHOLOGY: 01) Classify the Galactic Objects <i>**Enter Adv, Pro, Bas, or BB Rubric Score into PowerGrade</i>
5	SC-W9-06-01	SCIENTIFIC METHOD: 01) Conduct an Experiment; Analyze and Report Data <i>**Enter Adv, Pro, Bas, or BB Rubric Score into PowerGrade</i>

2009-2010 DISTRICT STUDENT PERFORMANCE ASSESSMENT GUIDE
SCIENCE
NATURAL RESOURCE GEOLOGY (SC-NG)

8/2009 pc

DSPA NUMBER	KEY for ASSESSMENTS	CRITICAL CONTENT STANDARD / OBJECTIVE TITLE/CONTENT
1	SC-NG-01	<p>PHOTOSYNTHESIS, THE CARBON CYCLE, MATTER AND ENERGY ORGANIZATION IN SYSTEMS:</p> <p>01) Plant Cell and Photosynthesis 02) The Geochemical Cycle/Carbon Cycle 03) Matter, Energy, Organization in Living and Reserve Carbon Pools</p> <p style="text-align: right;"><i>**Enter Adv, Pro, Nov or BB into PowerGrade</i></p>
2	SC-NG-02	<p>GEOLOGY, GEOGRAPHY, ENERGY RESOURCES, and BIOLOGICAL EVOLUTION:</p> <p>01) Geological and Biological History 02) Wyoming Geology and Geography</p> <p style="text-align: right;"><i>**Enter Adv, Pro, Nov or BB into PowerGrade</i></p>
3	SC-NG-03	<p>ENERGY SCIENCE:</p> <p>01) Energy Generation and Consumption 02) Energy Sources 03) Energy Transformations 04) Personal Energy Inventory 05) Energy Inventory</p> <p style="text-align: right;"><i>**Enter Adv, Pro, Nov or BB into PowerGrade</i></p>
4	SC-NG-04	<p>SCIENTIFIC METHOD: Scientific Investigation</p> <p style="text-align: right;"><i>**Enter Adv, Pro, Nov or BB into PowerGrade</i></p>
5	SC-NG-05	<p>ENERGY ISSUES: Analyze an Issue Related to Energy</p> <p style="text-align: right;"><i>**Enter Adv, Pro, Nov or BB into PowerGrade</i></p>