# Post AP test Unit - Scientific programming

Content Area: Social Studies

Course(s): Sociology, Psychology
Time Period: Marking Period 2

Length: **3 days** Status: **Published** 

#### **Lesson Plan for scientific programming**

TEC.9-12.8.1.12 All students will use digital tools to access, manage, evaluate, and synthesize information

in order to solve problems individually and collaboratively and to create and communicate

knowledge.

TEC.9-12.8.1.12.A.3 Participate in online courses, learning communities, social networks or a virtual world as

resources for lifelong learning.

TEC.9-12.8.1.12.C.1 Develop an innovative solution to a complex local or global problem / issue in

collaboration with peers and experts and present ideas for feedback in an online

community.

The design process is a systematic approach to solving problems.

Effective use of digital tools assists in gathering and managing information.

Information accessed through the use of digital tools assists in generating solutions and

making decisions.

Technology systems impact every aspect of the world in which we live.

#### **Skills**

- Analytical writing
- Compare in writing
- Contrast in writing
- Critical thinking
- Develop a thesis
- · Distinguish facts and opinions
- · Drawing inferences
- · Expressing ideas clearly
- gather and assess relevant information from multiple sources
- Identify main ideas and details
- Media literacy
- Online data based research
- Read for content mastery
- Recognize bias
- Speech to inform

- Summarizing from multiple sources
- Supporting positions
- Technology/Literacy integration
- writing narrative
- writing research
- writing to analyze
- writing to argue
- writing to compare
- · writing to contrast
- · writing to inform/explain

### **Assessment of Learning**

- Creative Project
- Graded Discussion
- Graded Presentations
- Note taking
- Objective Quiz
- · Open-Ended Quiz
- Other
- performance
- Pre Test
- student survey
- Study Questions
- Teacher observation
- Type Five Writing
- Type Four Writing
- Type One Writing
- Type Three Writing
- Type Two Writing
- Unit Test
- Vocabulary Quiz

# **Learning Activities/Instructional Strategies**

· Access APA guide on my web site

- Brainstorming
- Cooperative learning
- · Create questionaire take to other classes
- Create questionnaire
- Demonstrations
- · Direct instruction/Lecture
- Discussion
- Do in text and bilbliographic citations according to APA style
- · Drill and Practice
- Enter specific steps into word document
- Formal outline 26-28 Science/common sense
- Formal outline 29-30 concepts, variables, measurement, operationalize, reliability, validity
- Formal outline 30-32 Relationships among variables
- Formal outline 35-36 gender/ethics
- Formal outline 45-47 Participant Observation
- Games
- Gender bias demonstrate understanding by creating surveys concerning health care and reproduction...
- Graphic Organizers
- Guided reading
- Help students select topic
- Higher Order Thinking Skills
- · Interactive instruction
- Journal writings
- Lecture
- Manipulatives
- Online practice

http://wps.ablongman.com/ab\_introsoc\_studysite/216/55495/14206752.cw/index.html

- p. 28 The Popular Press
- p. 30 Descriptive Statistics
- p. 36 Studying Hispanics
- p. 40 Lois Benjamin Talented 100
- p. 44 Four research methods memorize
- p. 46 Can people lie with statistics?
- p. 50 Review memorize this page
- p. 51 Review memorize this page
- · Pre-read chapter 2
- · Print 3 pages of one article; show to me for vetting; write brief summary
- Problem-based instruction
- Questionnaire create

- · Questionnaire deploy
- Questionnaire review
- Quiz Vocab
- Research online
- Set up paper; copy steps 1=10 into your notebook; include tips listed; include your ideas about each question. pages 45-47
- Set up paper; do header page; 12 point, 1.5 spacing, 1 inch margins, page number
- Structured overview
- Teach vocab
- Test chapter
- Use APA guide to set up references
- Use guidelines in text to answer each of the 10 steps.
- Use scaffolding to assist students.
- Video: macro sociology http://youtu.be/DvK2ir5IRaw
- Video: Micro Sociology http://youtu.be/SddLEdaJj8w
- · Write paper

#### **Differentiation**

- Alternative assessments
- Choice of activities
- Choice of books
- Flexible grouping
- Guided reading
- Homework options
- Independent research and projects
- Leveled rubrics
- · Modified materials
- Multi-sensory
- Multiple texts
- Personal agendas
- Pre-teach
- Re-teach
- Stations/Centers
- Supplemental materials
- · Supplemental teaching

#### Technology

- Computer Lab/Laptops
- DVDs/CDs/Videos/TV
- Internet Resources
- iPads
- Overhead Transparencies
- PowerPoint
- SMART Board

TEC.9-12.8.1.12.F.1 Select and use specialized databases for advanced research to solve real world problems.

WORK.9-12.9.1.12.A.1 Apply critical thinking and problem-solving strategies during structured learning

experiences.

WORK.9-12.9.1.12.C.4 Demonstrate leadership and collaborative skills when participating in online learning

communities and structured learning experiences.

WORK.9-12.9.1.12.C.5 Assume a leadership position by guiding the thinking of peers in a direction that leads to

successful completion of a challenging task or project.

Information accessed through the use of digital tools assists in generating solutions and

making decisions.

### **21st Century Themes**

- Business, Financial, Economic and Entrepreneurial Literacy
- Civic Literacy
- Global Perspectives
- Health Literacy

## **21st Century Skills**

- Communication and Collaboration
- Creativity and Innovation
- Critical Thinking and Problem Solving
- Information Literacy
- Life and Career Skills
- Media Literacy

## **Interdisciplinary Connections**

- Art
- Business
- Health & PE
- Industrial Arts
- Math
- Music
- Science
- Social Studies
- World Languages