3. Cognition and Development

Social Studies
Generic Course
4 weeks
4 weeks
Published

Unit Overview

This unit of Psychology introduces students to concepts of Learning, Cognition, and Development.

*This curriculum is divided into 4 units, allowing the teachers to design their course in an effort to highlight each of the 4 core domains. Teacher must select at least one learning goal from each unit in order to allow students to be exposed to a diverse selection of psychological concepts without sacrificing any key components of psychology.

Transfer

Students will be able to independently use their learning to ...

Analyze how and why learning occurs, explain the cognitive processes (including memory, language, thinking, and intelligence), and investigate human development.

Understandings

Students will understand

Learning:

1. The principals and characteristics of operant conditioning, classical conditioning, and components of cognitive learning.

Cognition:

- 2. How short term and long term memories are encoded, stored, and retrieved.
- 3. The basic elements comprising thought.
- 4. The theories and development of language.
- 5. The nature of intelligence and how its measured

Development:

6. That development is a lifelong process

Essential Questions

Students will keep considering ...

Learning:

1. How do we learn new behavior through classical and operant conditioning and how does cognitive psychology explain learning?

Cognition:

- 2. What is memory and how are the memories formed, stored, and retrieved?
- 3. How do children acquire language?
- 4. What are the components of thought?
- 5. What are components of intelligence and how is it measured?

Development:

6. How do psychologists explain development?

Application of Knowledge and Skill

Students will know...

Students will know...

Learning:

1. The process of operant and classical conditioning.

Cognition:

- 1. The operations of short term and long term memory
- 2. The factors that influence encoding, storage, and retrieval
- 3. The mental process defined as thinking and how information is classified

- 4. The definition and theories of language and how it is acquired.
- 5. The theories of intelligence

Development:

1. Describe the physical, social, and cognitive changes from prenatal period throughout the life span.

Students will be skilled at...

Students will be skilled at...

Learning:

- 1. Researching examples of observational learning
- 2. Comparing and contrasting different cognitive learning approaches.

Cognition:

- 1. Identifying the factors that interfere with memory and describe strategies for improving it.
- 2. Analyzing the obstacles that inhibit problem solving and decision-making
- 3. Explaining how intelligence may be influenced by heredity and environment
- 4. Investigating nature of test constructs and argue the issues of using conventional intelligence tests

Development:

1. Explaining the various developmental models

Academic Vocabulary

Recommended vocabulary. May vary depending on student ability.

Learning:

Learning

Classical Conditioning

Operant conditioning

reinforcement

punishment

observational learning

Cognition:

memory

encoding

storage

retrieval

short term memory

long term memory

thought

language

intelligence

Development:

nature/nurture

developmental changes

attachment

Learning Goal 1 Analyze the effects of different types of learning

•	Analyze	the effects	of different	types of	learning
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CRP.K-12.CRP2.1	Career-ready individuals readily access and use the knowledge and skills acquired through experience and education to be more productive. They make connections between abstract concepts with real-world applications, and they make correct insights about when it is appropriate to apply the use of an academic skill in a workplace situation.
CRP.K-12.CRP3.1	Career-ready individuals understand the relationship between personal health, workplace performance and personal well-being; they act on that understanding to regularly practice healthy diet, exercise and mental health activities. Career-ready individuals also take regular action to contribute to their personal financial well-being, understanding that personal financial security provides the peace of mind required to contribute more fully to their own career success.
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TECH.8.1.12.F.CS4	Use multiple processes and diverse perspectives to explore alternative solutions.

Target 1

Compare and contrast classical conditioning, operant conditioning, and cognitive learning.

• Compare and contrast classical conditioning, operant conditioning, and cognitive learning.

Learning Goal 2

Describe the memory process and its limitations and capabilities.

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CRP.K-12.CRP2.1

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TECH.8.1.12.C.1	Develop an innovative solution to a real world problem or issue in collaboration with peers and experts, and present ideas for feedback through social media or in an online community.
TECH.8.1.12.C.CS1	Interact, collaborate, and publish with peers, experts, or others by employing a variety of digital environments and media.
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 Target 1

 Compare and constrast how the different types of memory function

• Compare and constrast how the different types of memory function

Learning Goal 3

Learning Goal 3 Analyze the thought process in relation to language development and intelligence

• Analyze the thought process in relation to language development and intelligence

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Target 1

Define thinking and explain how information is organized and how intelligence is assessed

• Define thinking and explain how information is organized

Target 2

Define language and its theories and explain how it is used to convey meaning and facilitate communication.

• Define language and its theories and explain how it is used to convey meaning and facilitate communication.

Learning Goal #4

Examine development as a life span process

• Examine development as a life span process

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SOC.6.3.12.CS3	Collaboratively evaluate possible solutions to problems and conflicts that arise in an interconnected world.
SOC.6.3.12.CS4	Critically analyze information, make ethical judgments, and responsibly address controversial issues.
SOC.6.3.12.CS5	Communicate through rational and persuasive written and oral arguments to present solutions to controversial issues.
SOC.6.3.12.CS6	Make informed and reasoned decisions and accept responsibility for the consequences of their actions and/or inactions.
SOC.6.3.12.CS7	Take actions that result in a more just and equitable society.
TECH.8.1.12.C.CS2	Communicate information and ideas to multiple audiences using a variety of media and formats.
TECH.8.1.12.C.CS3	Develop cultural understanding and global awareness by engaging with learners of other cultures.
TECH.8.1.12.E.CS2	Locate, organize, analyze, evaluate, synthesize, and ethically use information from a variety of sources and media.
TECH.8.2.12.E.4	Use appropriate terms in conversation (e.g., troubleshooting, peripherals, diagnostic software, GUI, abstraction, variables, data types and conditional statements).

Target 1

Explain the various developmental models and examine the physical, social, and cognitive changes that occur.

• Explain the various developmental models and examine the physical, social, and cognitive changes that occur.

Summative Assessment

All assessments are differentiated and aligned to the social studies standards and curriculum. Alternate assessments may include, but not be limited to problem based learning, projects, common assessments, and other activities. Common summative assessments will be devised by core content teachers and must include benchmark assessments.

Formative Assessment and Performance Opportunities

Accommodations/Modifications

Differentiation: 504 accommodations and IEP modifications are met as required

All assessments are differentiated and aligned to the Social Studies standards and curriculum. Differentiation can include, but is not limited to:

- Graphic Organizers
- Chunked Readings
- RAFT Activites (Role, Audience, Format, Topic)
- Layered Curriculum/Tiered Assignments
- Academic Games to practice skills and deepen understanding of topics
- Think-Pair-Share Activities
- Stations and Learning Centers
- Utilizing Pre-tests to reteach complex content before summative assessment

- Providing additional resources for indpendent study (videos, study guides, teacher notes, web-based resources)

Alternate assessments may include, but are not limited to Project Based Learning, projects or presentations, or a common paper/pencil assessment or combination of any of these. Some example alternative assessment can include:

- Compare and Contrast Foldable
- Online Practice Game
- Graphic Organizer

- Perspectives Journal Writing
- Timelines
- Debate
- Play Re-Enactment and Song Analysis
- Research Activity http://www.loc.gov/teachers/classroommaterials/lessons/tinker/procedure.html

Online Resources:

Text to Speech: Natural Readers - https://www.naturalreaders.com/

Content Vocabulary: Academic Word Finder - http://achievethecore.org/academic-word-finder/

- Ref's Description
- 0x student choice research projects
- 0x guided notes
- 0x leveled readings
- 0x modified assessments
- 0x modified assignments
- 0x task-based assessments
- 0x test corrections

Unit Resources

May include, but not be limited to:

Psychology Textbook

Online websites and resources

DVD's

Social Studies Databases

Student Response Systems

Projector/Speaker Systems

Primary Source Documents

Document Cameras

Online Portfolios

Teacher Resource Kit

Interdisciplinary Connections