

Thinking like a

Grades 9-12

# Behavioral Scientist

## Recognize the Interaction Between Individuals and Various Groups



- How do social, cultural, gender, and economic factors influence behavior and human interaction in societies around the world?
- How does an individual's involvement in a collective group influence their individual thoughts and behaviors?
- What influence do different individual members of a group have on the collective thought and behavior of the group as a whole?
- What are some characteristics of groups and what influence do groups and individuals have on each other?
- What are some patterns and causes of stratification that lead to social inequalities?
- What are some reactions to social inequalities and how would you evaluate those? Propose alternative responses?

## Examine Factors that Led to Continuity and Change in Human and Group Behavior



- How can we look at human behavior from biological, cognitive, behavioral, and sociocultural perspectives?
- What are the basic scientific methods that are at the core of psychology?
- What theories and methodologies would you use to plan, conduct, and interpret research results?
- What impact does the American Psychological Association and federal guidelines have on the ethical treatment of human and nonhuman participants?
- How have sociological perspectives changed over time and how are they used today?
- What ethical issues and guidelines are used when conducting and analyzing behavioral science research?

## Apply Appropriate Research Procedures and Skills of a Behavioral Scientist



- How do the validity and reliability of observations and measurements relate to data analysis?
- How can we apply the major theoretical approaches and perspectives in behavioral science to our daily lives and civic engagement?
- Using behavioral science knowledge, how can we assess issues and problems within our society and how can we develop ethical solutions to address those issues?

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# Financially Literate Person

## Develop Financial and Career Goals



- What are some ways to develop short- and long- term financial goals?
- What is the benefit of entrepreneurship?
- How can you determine a career that is right for you, and the effect of this career on your standard of living?

## Create a Saving and Spending Plan



- What effect do taxes and other factors have on your income?
- What are the benefits of developing a saving and spending plan?
- What consumer skills will help you with saving and spending decisions?

## Analyze Credit and Debt Levels



- How can you analyze the cost and benefits of different types of credit and debt?
- What are a borrower's rights and responsibilities?
- What strategies can you use to avoid and manage debt effectively?

## Evaluate Savings and Long Term Investments



- What are some effective short-term savings tools?
- How can you apply investment tools to meet financial goals?

## Measure Risk Management Tools



- What are several reasons to use various forms of insurance?
- What are some effective strategies you can use for protection of personal identity and other forms of fraud?

Careers for a

Grades 9-12

# Geographer

- Geographer
- Surveyor
- Urban and Regional Planners
- Cartographers
- Mapping Technicians
- Photogrammetrists
- Geoscientists
- Anthropologists
- Archeologist
- Environmental Scientist
- Meteorologist
- GIS Systems Analyst

Careers for a

Grades 9-12

# Historian

- Archivists
- Librarian
- Curator
- Archeologist
- Museum Technician
- Anthropologist
- Historian
- Teacher
- Park Service Ranger
- Journalist
- Editor
- Records Manager
- Lobbyist
- Analyst
- Consultant
- Researcher
- Web Designer
- Information Manager
- Professor

Thinking like a

Grades 9-12

# Geographer

## Create Geographic Representations



- How can maps be employed to display and explain the spatial patterns of human and environmental characteristics?
- How can multiple geographic representations be integrated to explain relationships between the locations of places and regions and their political, cultural, and economic dynamics?
- How can geographic data be used to analyze variations in the spatial patterns of human and/or environmental characteristics?

## Evaluate Human Environment Interaction



- What relationships and interactions within and between human and physical systems influence each other?
- How do environmental and cultural characteristics of various places and regions influence political and economic decisions?
- What impact does human settlement activities have on the environment and cultural characteristics of specific places and regions?

## Analyze Human Population Movement and Patterns



- What is the reciprocal relationship between historical events and the spatial diffusion of ideas, technologies, cultural practices and the distribution of human population?
- How do economic activities and political decisions impact urban, suburban, and rural regions?

## Analyze Global Interconnections



- How do changes in the environment and cultural characteristics of a place or region influence spatial patterns of trade and land use?
- How do economic globalization and the expanding use of scarce resources contribute to conflict and cooperation within and among countries?
- What are the consequences of human-made and natural catastrophes on global trade, politics, and human migration?

Careers for a

Grades 9-12

# Behavioral Scientist

- Anthropologist
- Community Health Educator and Worker
- Social Worker
- Survey Researcher
- Archeologist
- Marriage and Family Therapists
- Psychologist
- Probation Officer
- Sociologist
- Correctional Treatment Officer
- Psychiatrist
- Rehabilitation Counselor
- Counselors: Substance Abuse, Mental Health, Behavioral Disorder
- Counselors: School and Career Survey Researcher

Thinking like a

Grades 9-12

# Historian

## Analyze Change, Continuity, and Context



- What has been the impact of inventions and technological innovations on American/world society and culture?
- What methods are used to change or expand systems of power and/or authority?
- How do belief systems, ideologies, the arts, science and technology impact cultural advancements?
- What is the influence of social, political, and economic developments on gender roles and social status?

## Critique Historical Sources and Evidence



- What is the relationship between historical sources and the secondary interpretations made from them?
- How are primary and secondary sources of information critiqued?

## Compare Perspectives



- How do regional, racial, ethnic, and gender perspectives influence American/world history and culture?
- How do the perspectives of individuals and societies impact American/world history?

## Analyze Global Interconnections



- How would we determine multiple and complex causes and effects of major historical events in American history?
- Which lowans or groups of lowans have influenced U.S. history?
- Which lowans or groups of lowans have influenced world history?

Careers for a

Grades 9-12

# Financially Literate Person

- Accountants and Auditors
- Appraisers and Assessors of Real Estate
- Budget Analysts
- Claims Adjusters, Appraisers, Examiners, and Investigators
- Compensation, Benefits, and Job Analysis Specialists
- Cost Estimators
- Financial Analysts
- Financial Examiners
- Fundraisers
- Human Resources Specialists
- Insurance Underwriters
- Labor Relations Specialists
- Loan Officers
- Logisticians
- Management Analysts
- Market Research Analysts
- Meeting, Convention, and Event Planners
- Personal Financial Advisors
- Purchasing Managers, Buyers, and Purchasing Agents
- Tax Examiners and Collectors, and Revenue Agents
- Training and Development Specialists

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# Civic and Political Scientist

## Analyze Civic and Political Institutions



- What powers and responsibilities should local, state, tribal, national, and international civic and political institutions have? How should they interact? What is the role of the government in maintaining order?
- Who is a citizen and how has this definition changed over time? What role do citizens have in the US political system?
- What are the origins of government? What purpose(s) does government serve? What are various theories of democracy? What other alternative models are there from other nations and groups?
- How does the US Constitution establish the Rule of Law, governmental powers, and responsibilities? How does the US Constitution establish limits to government?
- What are the relationships among the branches of the US Government?

## Apply Civic Virtues and Democratic Principles



- What is the effectiveness of political action in changing government and policy?
- What is the significance of civic values to a well-functioning democracy?
- What are some of the mechanisms of political socialization in American democracy?
- What has the contribution of lowans been who have played a role in promoting civic and democratic principles?

## Interpret Processes, Rules, and Laws



- What are some procedure for making governmental decisions at the local, state, national, and international levels?
- How do people use and challenge public policies through formal and informal means? What are some judicial processes and landmark court cases that would support your interpretation?
- What are the intended and unintended consequences of the implementation of public policy specifically as they relate to bureaucracy, citizen feedback, public opinion polls, interest groups, and media coverage?
- What are the historical, contemporary, and emerging patterns of political action and activism?

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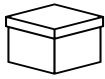
# Economist

## Engage in Economic Decision Making



- How can the concept of scarcity be applied when making economic decisions?
- How can you use cost-benefit analysis when arguing for or against an economic decision?

## Critique Exchange and Markets



- What goes into determining and who determines what is produced and distributed in a market system?
- How do changes in the level of competition affect price and output levels in specific markets?
- How do changes in supply and demand cause changes of goods and services, labor, credit, and foreign currencies?
- What is the effectiveness of government policies in regard to altering market outcomes?
- What is the role of institutions, such as clearly defined property rights and the rule of law in a market economy?

## Evaluate the National Economy



- How can we use economic indicators to evaluate economic conditions?
- Why do advancements in technology and investments in capital goods and human capital increase economic growth and standards of living?

## Assess the Global Economy



- What is the role of specialization in trade?
- How has globalization impacted various aspects of economic growth, labor markets, and rights of citizens, the environment, and resource and income distribution in different nations?

Careers for a

Grades 9-12

## Civic and Political Scientist

Anthropologist  
Geographer  
Politician  
Urban and Regional Planner  
Survey Researcher  
Market Research Analyst  
Economist  
Historian  
Sociologist

Careers for an

Grades 9-12

## Economist

Market Research Analyst  
Banker  
Urban and Regional Planners  
Financial Investment Analyst  
Financial Manager  
Insurance Sales Manager  
Chief Financial Officer  
Real Estate Brokers and Sales Agent  
Budget Analyst  
Insurance Underwriters  
Securities, Commodities, and Financial Services Sales Agents