

Elementary Level Examples

		English	
R I G O R	High	Brainstorm as many words as possible to describe an object.	Create new words to describe phenomena or objects.
	Low	Memorize spelling words.	Write a story about the school using specific words.
		Low	High
		RELEVANCE	

		Mathematics	
R I G O R	High	Find values in number sentences when represented by unknowns.	Develop formula for estimating a large quantity without counting (e.g., beans in a jar).
	Low	Memorize multiplication tables.	Collect outside temperatures for several days and graph the results.
		Low	High
		RELEVANCE	

		Science	
R I G O R	High	Make diagrams of animal life cycles.	Design a zoo.
	Low	Make daily observations of an animal kept in class.	Create a field book about organisms in a local river.
		Low	High
		RELEVANCE	

Elementary Level Examples

		Social Studies	
R I G O R	High	Contrast citizens' responsibilities under different forms of government.	Devise strategies for surviving a disaster (e.g., blizzard, tornado).
	Low	Memorize names, locations, and capital cities of the 50 states.	Describe geographic and climatic characteristics of the local community.
		Low	High
		RELEVANCE	

		Art	
R I G O R	High	Contrast painting styles.	Express emotions and feelings with color and images.
	Low	Explain the color wheel.	Create holiday crafts/ornaments.
		Low	High
		RELEVANCE	

Middle Level Examples

		English	
R I G O R	High	Analyze commercials for fact and opinion.	Write directions for assembling a product or carrying out a procedure.
	Low	Locate information in a technical manual.	Assemble a product following written directions.
		Low	High
		RELEVANCE	

		Mathematics	
R I G O R	High	Express probabilities as fractions, percents, or decimals.	Devise a scale to test consumer products and graph data.
	Low	Plot the coordinates for quadrilaterals on a grid.	Make a scale drawing of the classroom.
		Low	High
		RELEVANCE	

		Science	
R I G O R	High	Identify chemicals dissolved in an unknown solution.	Collect data and make recommendations to address an environmental problem.
	Low	Construct models of molecules.	Collect data on dissolved oxygen, hardness, alkalinity, and temperature in a stream.
		Low	High
		RELEVANCE	

Middle Level Examples

		Social Studies	
R I G O R	High	Analyze primary and secondary documents.	Compare examples of stereotyping in historic and current events.
	Low	View a historical video and answer factual questions.	Plan and participate in a community service activity.
		Low	High
		RELEVANCE	

		Art	
R I G O R	High	Research a famous artist.	Create a sculpture using everyday objects.
	Low	Define art terms.	Create a visual piece using tessellation.
		Low	High
		RELEVANCE	

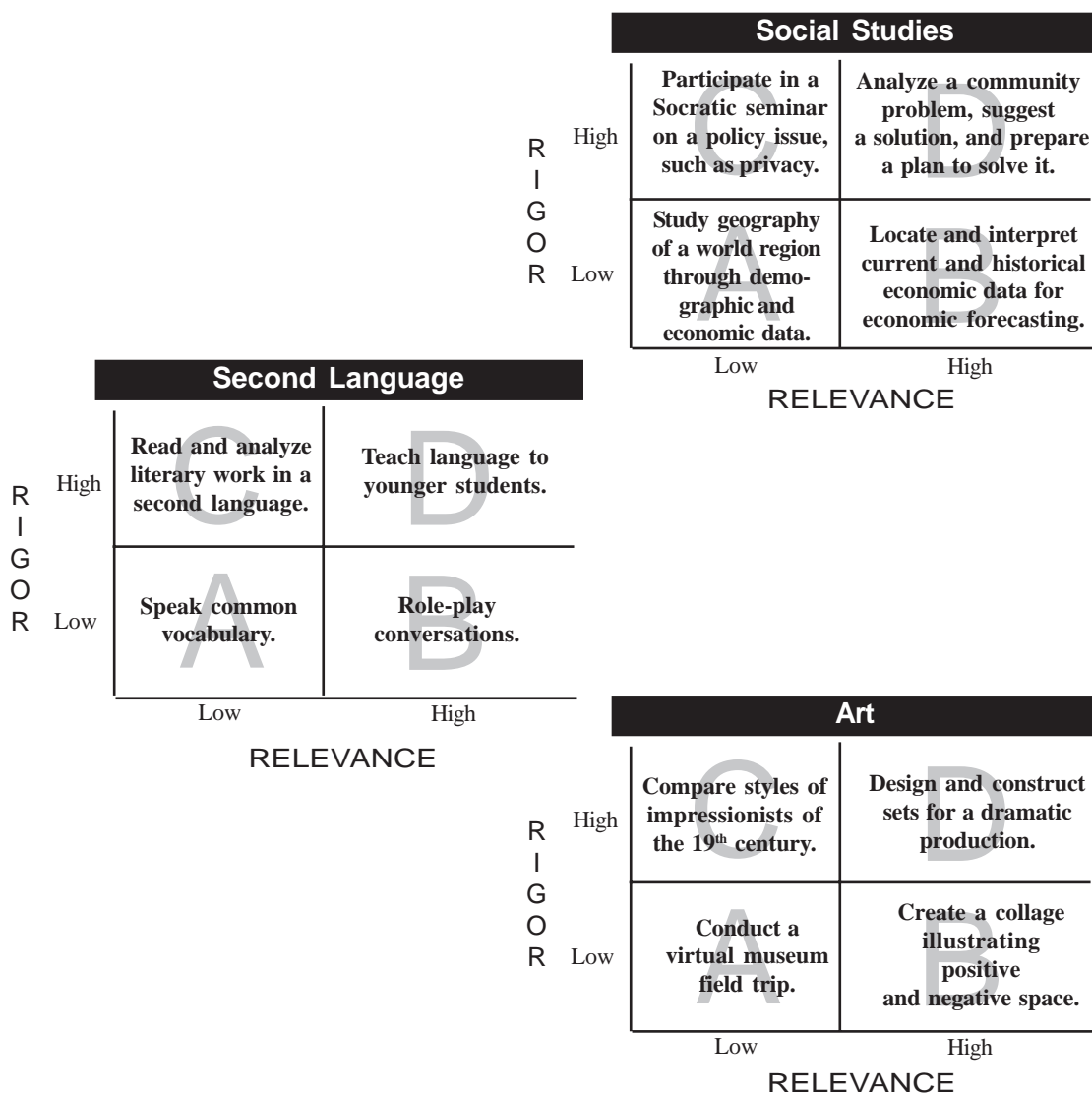
High School Examples

		English	
R I G O R	High	Compare and contrast literary styles of different authors.	Write and perform a radio play.
	Low	Read an important work of literature and identify the theme.	Relate a historical novel to current events.
		Low	High
		RELEVANCE	

		Mathematics	
R I G O R	High	Select best measures of central tendency to support a point of view.	Develop a sampling plan for a public opinion poll.
	Low	Predict the probability of events using ratios.	Measure small metal objects using calipers and micrometers.
		Low	High
		RELEVANCE	

		Science	
R I G O R	High	Research the discovery of a new element.	Solve organic chemistry case study problems in petroleum distillation.
	Low	Memorize elements of the Periodic Table.	Participate in an online collaboration to collect scientific data on a global problem.
		Low	High
		RELEVANCE	

High School Examples



High School Examples

		Music	
R I G O R	High	Compare and contrast different musical styles.	Compose a song.
	Low	Memorize notes.	Perform a musical piece from memory.
		Low	High
		RELEVANCE	

		Health Education	
R I G O R	High	Identify advertisements that target youth.	Create an advertisement to combat unhealthy youth advertising.
	Low	Describe the effects of drugs on the human body.	Demonstrate strategies to reduce spread of germs.
		Low	High
		RELEVANCE	

		Physical Education	
R I G O R	High	Compare benefits of different forms of cardiovascular exercise.	Design an exercise program for senior citizens.
	Low	Acquire fundamentals of basketball.	Play a baseball game.
		Low	High
		RELEVANCE	

High School Examples

		Family and Consumer Science	
R I G O R	High	Analyze child safety hazards.	Develop a brochure for parents on child safety.
	Low	List parental responsibilities.	Demonstrate child care tasks with simulated infant.
		Low	High
		RELEVANCE	

		Business - Information Technology	
R I G O R	High	Compare features of Web development software.	Create a Web site for a local business.
	Low	Demonstrate Web development software functions.	Design a Web page.
		Low	High
		RELEVANCE	

		Construction	
R I G O R	High	Compare heat loss ratings and cost of building materials.	Design and construct a storage shed.
	Low	List safety procedures.	Use power tools correctly.
		Low	High
		RELEVANCE	