Science DesCartes: Concepts and Processes: Scientific Process: Scientific Investigation

Skills: Defend and Support Conclusions, Communicate

Students:	DesCartes Skills: (Highlight the skills related to your chosen standard/concept)
	RIT Above 241: • Extrapolates from data presented in tables using calculations
	RIT 231-240: • Extrapolates from data presented in graphs (exponential/logistic relationships) • Evaluates written results for accuracy and clarity
	RIT 221-230: • Evaluates inferences within the context of a scientific investigation • Classifies statements as inferences • Extrapolates from data presented in graphs where units are not shown on one or more axes • Evaluates the significance of results
	RIT 211-220: • Draws conclusions from data presented in tables containing two manipulated (independent) variables • Makes inferences that limit themselves to the data which has been presented and avoids speculation • Makes inferences using deductive reasoning • Determines which evidence will best support a particular inference • Draws conclusions from data presented in simple (T) tables or charts • Classifies statements as inferences • Extrapolates from data presented in diagrams • Extrapolates from data given in a table, by estimating the trend shown • Interpolates from data presented in tables • Interpolates from data presented in graphs • Selects the appropriate graph to represent data shown in a table
	RIT 201-210: • Draws conclusions from data presented in tables containing two manipulated (independent) variables • Draws conclusions from experimental observations • Makes inferences that limit themselves to the data which has been presented and avoids speculation • Understands that to be scientific, explanations must be supported with evidence • Draws conclusions from complex tables, charts or graphs • Draws conclusions from complex diagrams • Extrapolates from data presented in diagrams • Interpolates from data presented in graphs • Interpolates from data presented in diagrams • Explains that results are significant if they most likely did not occur by chance • Draws conclusions from data described as "significant" • Selects graphs as the most appropriate way to present trends in data • Represents observations using symbols and diagrams • Communicates results clearly and accurately
	RIT 191-200: • Draws conclusions from experimental observations • Extrapolates from data presented in tables • Extrapolates from data presented in graphs (linear relationships) • Describes observations clearly, objectively, and accurately • Evaluates written observations for accuracy and clarity
	RIT 181-190: • Makes inferences about common events and phenomena • Describes observations clearly, objectively, and accurately
	RIT Below 181: • Draws conclusions from simple diagrams

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Lesson Title:

Standard/Concept for All:

Introduction: (Get Attention; Connect to Prior Knowledge)

For Students Ready for a Challenge:
Lesson/Activity:
Resources:
Means of Assessment:

For Most Students:
Lesson/Activity:
Resources:
Means of Assessment:

For Students Needing Extra Support:
Lesson/Activity:
Resources:
Means of Assessment:

Closure/Summary for All: