



Curriculum Links for Alberta for Planet Protector Academy: ZERO HEROES

GRADE 3

Content: **V = video content** **G = game show** **A = Activity** **M = At-Home Mission**

Alberta Education Grade 3 Curriculum Outcomes	Levels					
	1	2	3	4	5	6
GRADE 3 SCIENCE (1996)						
(Science Inquiry) Investigate the nature of things, demonstrating purposeful action that leads to observations and inferences.				A		
(Science Inquiry) Identify patterns and order in objects and events studied; and, with guidance, record observations, using pictures, words and charts; and make predictions and generalizations, based on observations.				A		
(Problem Solving through Technology) Investigate a practical problem, and develop a possible solution.						A
(Attitudes) Demonstrate positive attitudes for the study of science and for the application of science in responsible ways.	VGAM	VG	VGAM	VGAM		VGA
GRADE 3 ENGLISH LANGUAGE ARTS (2000)						
Listen, speak, read, write, view and represent to explore thoughts, ideas, feelings and experiences.	VGAM	VGAM	VGAM	VGAM	VGAM	VGA
Listen, speak, read, write, view and represent to comprehend and respond personally and critically to oral, print and other media texts.	VGAM	VG	VGAM	VGAM	VGAM	VGA
Listen, speak, read, write, view and represent to manage ideas and information.	GM	GAM	GAM	GAM	VGAM	GA
Listen, speak, read, write, view and represent to enhance the clarity and artistry of communication.	A	A	A	AM	A	A
Listen, speak, read, write, view and represent to respect, support and collaborate with others.	GAM	GAM	GAM	GAM	GAM	GA
GRADE 3 FINE ARTS (Art – 1985, Music – 1989, Drama - 1985)						
(Art - Reflection) Useful objects can be derived from designs in nature. Students will study and analyze the individual character of natural objects or forms.						A
(Art - Expression) Students will develop themes, with an emphasis on social concerns.	A	A		AM		
(Art - Expression) Students will use media and techniques in drawing, painting, print making, sculpture, fabric arts, photography and technographic arts.	A	A		A		
(Music - Expression) The words of a song are very important to the understanding of the song.	*	*	A*	*	*	*
(Music - Listening) Be an attentive member of an audience.			A			

Alberta Education Grade 3 Curriculum Outcomes	Levels					
	1	2	3	4	5	6
(Music - Listening) Follow a story told by music.	*	*	A*	*	*	*
(Music - Moving) Respond to music through movement in an individual manner.	*	*	A*	*	*	*
(Music - Singing) Sing, in tune, many rhythmic and melodic songs, and action songs. Sing accurately in unison.	*	*	A*	*	*	*
(Music - Creating) Make up new words to songs.			A			
(Drama) Experience structured dramatic play, dramatic movement, mime, storytelling, playmaking.					A	
* The Planet Protector song, which students are encouraged to learn and perform, appears in each level.						
GRADE 3 MATHEMATICS (2007, updated 2014)						
(Number) Say the number sequence 0 to 1000.	G M	G A M	G M	A M	M	G
(Number) Describe and apply mental mathematics strategies for adding two 2 digit numerals.	M**	A M**	M**	A M**	M**	
(Number) Demonstrate an understanding of fractions.		G	G			G
** For each level, students are required to add up the points earned by each team member for their weekly mission.						
GRADE 3 SOCIAL STUDIES (2005)						
(Dimensions of thinking) Develop skills of critical thinking and creative thinking.	G A M	G	G A M	G A M	G A M	G A
(Dimensions of thinking) Demonstrate skills of decision-making and problem solving.	M		A	A M	A	A
(Social participation as a democratic practice) Demonstrate skills of cooperation, conflict resolution and consensus building.	A M		A	A M	A	A
(Social participation as a democratic practice) Develop age-appropriate behaviour for social involvement as responsible citizens contributing to their community.			M	A M	A M	
(Communication) Demonstrate skills of oral, written and visual literacy.	A M		A M	A M	A M	A
(Communication) Develop skills of media literacy.	V G			V G A M	V G A M	V G
(Dimensions of thinking) Develop skills of critical thinking and creative thinking.	G A M	G	G A M	G A M	G A M	G A
GRADE 3 HEALTH AND LIFE SKILLS (2002)						
(Relationship choices) Develop effective interpersonal skills that demonstrate responsibility, respect and caring in order to establish and maintain healthy interactions.	G A M	G	G A M	G A M	G A M	G A

GRADE 4

Content:

V = video content

G = game show

A = Activity

M = At-Home Mission

Alberta Education Grade 4 Curriculum Outcomes	Levels					
	1	2	3	4	5	6
GRADE 4 SCIENCE (1996)						
(Science Inquiry) Investigate the nature of things, demonstrating purposeful action that leads to observations and inferences.				A		
(Science Inquiry) Identify patterns and order in objects and events studied; and, with guidance, record observations, using pictures, words and charts; and make predictions and generalizations, based on observations.				A		
(Problem Solving through Technology) Investigate a practical problem, and develop a possible solution.						A
(Attitudes) Demonstrate positive attitudes for the study of science and for the application of science in responsible ways.	V G A M	V G	V G A M	V G A M		V G A
(Waste and our world) Identify plant and animal wastes, and described how they are recycled in nature.			V G A M			A
(Waste and our world) Identify and classify wastes that result from human activity.	V G A M	V G A M	V G A M	V G A M	V G A M	V G A
(Waste and our world) Describe alternative methods of disposal, and identify possible advantages and disadvantages of each.	V G A M	V G A M	V G A M	V G A M	A M	V G A
(Waste and our world) Distinguish between wastes that are readily biodegradable and those that are not.				V G A		
(Waste and our world) Compare different kinds of packaging and infer the relative advantages and disadvantages of that packaging.	V G A M		A M	V G A M	V G A	V G
(Waste and our world) Identify methods of waste disposal currently used within the local community.	M		A M	V G A M	V G A M	V G
(Waste and our world) Identify kinds of wastes that may be toxic to people and to the environment.	V					V
(Waste and our world) Identify ways in which materials can be reused or recycled, and identify actions that individuals and groups can take to minimize the production of waste, to recycle or reuse wastes and to ensure the safe disposal of wastes.	V G A M	A M	V G A M	V G A M		V G A
(Waste and our world) Develop and implement a plan to reduce waste, and monitor what happens over a period of time.	M	M	M	A M	M	
GRADE 4 ENGLISH LANGUAGE ARTS (2000)						
Listen, speak, read, write, view and represent to explore thoughts, ideas, feelings and experiences.	V G A M	V G A M	V G A M	V G A M	V G A M	V G A
Listen, speak, read, write, view and represent to comprehend and respond personally and critically to oral, print and other media texts.	V G A M	V G	V G A M	V G A M	V G A M	V G A
Listen, speak, read, write, view and represent to manage ideas and information.	G M	G A M	G A M	G A M	V G A M	G A
Listen, speak, read, write, view and represent to enhance the clarity and artistry of communication.	A	A	A	A M	A	A
Listen, speak, read, write, view and represent to respect, support and collaborate with others.	G A M	G A M	G A M	G A M	G A M	G A

Alberta Education Grade 4 Curriculum Outcomes (cont.)	Levels					
	1	2	3	4	5	6
GRADE 4 FINE ARTS (Art – 1985, Music – 1989, Drama - 1985)						
(Art - Reflection) Useful objects can be derived from designs in nature. Students will study and analyze the individual character of natural objects or forms.						A
(Art - Expression) Students will develop themes, with an emphasis on social concerns.	A	A		A M		
(Art - Expression) Students will use media and techniques in drawing, painting, print making, sculpture, fabric arts, photography and technographic arts.	A	A		A		
(Music - Expression) The words of a song are very important to the understanding of the song.	*	*	A*	*	*	*
(Music - Listening) Be an attentive member of an audience.			A			
(Music - Listening) Follow a story told by music.	*	*	A*	*	*	*
(Music - Moving) Respond to music through movement in an individual manner.	*	*	A*	*	*	*
(Music - Singing) Sing, in tune, many rhythmic and melodic songs, and action songs. Sing accurately in unison.	*	*	A*	*	*	*
(Music - Creating) Make up new words to songs.			A			
(Drama) Experience structured dramatic play, dramatic movement, mime, storytelling, and playmaking.					A	
* The Planet Protector song, which students are encouraged to learn and perform, appears in each level.						
GRADE 4 MATHEMATICS (2007, updated 2014)						
(Number) Represent and describe whole numbers to 10 000.	G M	G M	G M	A M	M	G
(Number) Demonstrate an understanding of addition of numbers with answers to 10 000 and their corresponding subtractions.	M**	M**	M**	M**	M**	
(Number) Demonstrate an understanding of multiplication to solve problems.		A		A		
(Number) Demonstrate an understanding of division to solve problems.		A				
** For each level, students are required to add up the points earned by each team member for their weekly mission.						
GRADE 4 SOCIAL STUDIES (2005)						
(Alberta: A Sense of the Land) Demonstrate care and concern for the environment through their choices and actions	M	M	M	A M		
(Alberta: Celebrations and Challenges) Value and respect their relationships with the environment.	V G A M	V G A M	V G A M	V G A M	V G A M	V G A
(Dimensions of thinking) Develop skills of critical thinking and creative thinking.	G A M	G	G A M	G A M	G A M	G A
(Dimensions of thinking) Develop skills of geographic thinking.				A		
(Dimensions of thinking) Demonstrate skills of decision making and problem solving.	M		A	A M	A	A
(Social Participation as a Democratic Practice) Demonstrate skills of cooperation, conflict resolution and consensus building.	A M		A	A M	A	A
(Social Participation as a Democratic Practice) Develop age-appropriate behaviour for social involvement as responsible citizens contributing to their community.			M	A M	A M	
(Communication) Demonstrate skills of oral, written and visual literacy.	A M		A M	A M	A M	A

Alberta Education Grade 4 Curriculum Outcomes	Levels					
	1	2	3	4	5	6
(Communication) Develop skills of media literacy.	V G			V G A M	V G A M	V G
GRADE 4 HEALTH AND LIFE SKILLS (2002)						
(Relationship choices) Develop effective interpersonal skills that demonstrate responsibility, respect and caring in order to establish and maintain healthy interactions.	G A M	G	G A M	G A M	G A M	G A

GRADE 5

Content: V = video content

G = game show

A = Activity

M = At-Home Mission

Alberta Education Grade 5 Curriculum Outcomes	Levels					
	1	2	3	4	5	6
GRADE 5 SCIENCE (1996)						
(Science Inquiry) Investigate the nature of things, demonstrating purposeful action that leads to observations and inferences.				A		
(Science Inquiry) Identify patterns and order in objects and events studied; and, with guidance, record observations, using pictures, words and charts; and make predictions and generalizations, based on observations.				A		
(Problem Solving through Technology) Investigate a practical problem, and develop a possible solution.						A
(Attitudes) Demonstrate positive attitudes for the study of science and for the application of science in responsible ways.	V G A M	V G	V G A M	V G A M		V G A
GRADE 5 ENGLISH LANGUAGE ARTS (2000)						
Listen, speak, read, write, view and represent to explore thoughts, ideas, feelings and experiences.	V G A M	V G A M	V G A M	V G A M	V G A M	V G A
Listen, speak, read, write, view and represent to comprehend and respond personally and critically to oral, print and other media texts.	V G A M	V G	V G A M	V G A M	V G A M	V G A
Listen, speak, read, write, view and represent to manage ideas and information.	G M	G A M	G A M	G A M	V G A M	G A
Listen, speak, read, write, view and represent to enhance the clarity and artistry of communication.	A	A	A	A M	A	A
Listen, speak, read, write, view and represent to respect, support and collaborate with others.	G A M	G A M	G A M	G A M	G A M	G A
GRADE 5 FINE ARTS (Art – 1985, Music – 1989, Drama - 1985)						
(Art - Expression) Students will use media and techniques, with an emphasis on more indirect complex procedures and effects in drawing, painting, print making, sculpture, fabric arts, photography and technographic arts.	A	A		A		
(Art - Expression) Students will decorate items personally created.	A	A		A		
(Music - Expression) The words of a song are very important to the understanding of the song.	*	*	A*	*	*	*
(Music - Listening) Be an attentive member of an audience.			A			
(Music - Listening) Follow a story told by music.	*	*	A*	*	*	*
(Music - Moving) Respond to music through movement in an individual manner.	*	*	A*	*	*	*
(Music - Singing) Sing, in tune, many rhythmic and melodic songs, and action songs. Sing accurately in unison.	*	*	A*	*	*	*
(Music - Creating) Make up new words to songs.			A			
(Drama) Practice structured dramatic play, dramatic movement, mime, storytelling, playmaking.					A	
* The Planet Protector song, which students are encouraged to learn and perform, appears in each level.						

Alberta Education Grade 5 Curriculum Outcomes (cont.)	Levels					
	1	2	3	4	5	6
GRADE 5 MATHEMATICS (2007, updated 2014)						
(Number) Represent and describe whole numbers to 1 000 000.	G M	G M	G M	A M	M	G
(Number) Apply mental mathematical strategies for multiplication.		A		A		
(Number) Demonstrate an understanding of division to solve problems.		A				
(Number) Demonstrate an understanding of fractions.		G	G			G
GRADE 5 SOCIAL STUDIES (2005)						
(Physical geography of Canada) Value Canada's physical geography and natural environment.	V G A M	V G A M	V G A M	V G A M	V G A M	V G A
(Dimensions of thinking) Develop skills of critical thinking and creative thinking.	G A M	G	G A M	G A M	G A M	G A
(Dimensions of thinking) Demonstrate skills of decision-making and problem solving.	M		A	A M	A	A
(Social Participation as a Democratic Practice) Demonstrate skills of cooperation, conflict resolution and consensus building.	A M		A	A M	A	A
(Social Participation as a Democratic Practice) Develop age-appropriate behaviour for social involvement as responsible citizens contributing to their community.			M	A M	A M	
(Communication) Demonstrate skills of oral, written and visual literacy.	A M		A M	A M	A M	A
(Communication) Develop skills of media literacy.	V G			V G A M	V G A M	V G
GRADE 5 HEALTH AND LIFE SKILLS (2002)						
(Relationship choices) Develop effective interpersonal skills that demonstrate responsibility, respect and caring in order to establish and maintain healthy interactions.	G A M	G	G A M	G A M	G A M	G A