

DRAFT

WILD, WILD Aquatic, and Learning Tree Suggested Activities Middle School (Grades 5 - 8) Social Studies & Science

Correlation Key:

- indicates that the concept is a *main* focus of the activity
- ⊙ indicates that the concept is *part* of the focus of the activity
- indicates that the concept is *addressed* in the activity

Guide Key:

PLT – Project Learning Tree PreK-8 PW – Project WILD PWA – Project WILD Aquatic

Activities were selected because they address pertinent concepts and issues related to Iowa’s natural resources and they address national content standards at the stated grade levels. There are many more relevant activities – this is meant to be a starting point for teachers looking to integrate teaching about Iowa’s natural resources.

Activities are grouped according to subject and the activity guide within which they are found. PLT activities are listed by number (order they appear in the activity guide). Project WILD and WILD Aquatic activities are listed alphabetically by section of the activity guide in which they appear.

Social Studies

Number - Activity	Activity Guide	IA Supplement	Portions	Correlation	Social Studies Standards
#14 Renewable or Not?	PLT	yes		⊙ ○	VIIb, VIIf VIIa, VIIi, VIIj
#19 Viewpoints on the Line	PLT	no		● ⊙ ○	Ib IVf, Xc, Xg Ia, IXb
#32 A Forest of Many Uses	PLT	no		⊙ ○	Ve, Vg Ia, Vf, VIc
#36 Pollution Search	PLT	no	Part A	⊙ ○	IXd VIa, VIc, VIf, Xc, Xd, Xe, Xj
#39 Energy Sleuths	PLT	no		○	IIIk, VIIb, VIIj, VIIIc, VIIIId, IXd, Xc, Xd, Xj
#40 Then & Now	PLT	no		⊙ ○	IVb Id, IIb, IIc, IID, IIE, IIf, IIIh, IIIi, VIIIc

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#50 400-Acre Wood	PLT	yes		● ⊙ ○	Xc, Xd, Xe, Xj Ia, IIIk, VIa, VIIj, IXb, Xf, Xg IIIa, IIIg, Vd, Ve, Vg, VIc, VIIb, IXd
#55 Planning the Ideal Community	PLT	no		⊙ ○	Ia, IIIc VIIId, Xc, Xd, Xj
#56 We Can Work it Out	PLT	no		● ⊙ ○	IXb, Xc, Xd, Xe, Xf, Xg, Xj Ib, Ie, Ve, Vf, Vg, VIc Ia, Id, IIIg, Vc, VIa, VIII f, Xh
#57 Democracy in Action	PLT	no		● ⊙ ○	Ia, VIc, Xc, Xd, Xe, Xf, Xg, Xh, Xj Ib, Vb, Vc, Vf, Vg, Xb Ie
#58 There Ought to be a Law	PLT	no	Parts A & B	● ⊙ ○	Xe Xb, Xc, Xd, Xh Ia, VIc, Xf, Xg, Xj
#59 Power of Print	PLT	no		⊙ ○	Ic, Vb, Xc IXb, Xd
#60 Publicize It!	PLT	no		● ⊙ ○	Xc, Xd, Xe, Xf, Xg, Xh, Xj Ic IXd
#71 Watch on Wetlands	PLT	no		● ⊙ ○	IXd, Xc, Xd, Xh IIIe, VIc, IXb, Xe, Xf, Xg, Xi, Xj Ia, IIIg, IIIh, IIIk, VIII f, VIIj
#83 Reduce, Reuse, Recycle	PLT	yes		⊙ ○	Xe, Xj VIIa, VIIIb, VIII f, VIIj, IXd, Xc, Xg
#88 Life on the Edge	PLT	yes		⊙	Xc, Xe, Xf, Xg, Xh, Xi, Xj
#92 A Look at Lifestyles	PLT	yes		● ⊙	Ia, Id Ib, Ie

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#93 Paper Civilizations	PLT	no		○	Ia, Ic, IIc, VIIIa
#96 Improve Your Place	PLT	yes		● ○	Xc, Xd, Xe, Xf, Xg, Xh, Xi, Xj IIIId, IVb, VIIj, IXd
Section - Activity	Activity Guide	IA Supplement	Extension	Correlation	Social Studies Standards
I What did Your Lunch Cost Wildlife?	PW	no	1, 2, 3, 4	● ○	VIIIf IIIa, IVa, VIIb
I Which Niche	PW	yes	2	● ⊙ ○	IVb Ia IIIh, Vg
II Changing Attitudes	PW	yes	1, 2, 3, 5	⊙ ○	Ib, Id, IVb, Xc, Xg Ia (ext. 5), IIb, IIe, IIIh, Xd
II Pay to Play	PW	yes	1, 2, 3	⊙ ○	VIIc VIIa, VIIId, Xf, Xh
II Prairie Memoirs	PW	yes		● ⊙ ○	Ia, Ib, IIb Id, IIc, IIIi IIe, IIIf, IIIg, IIIh, VIIIf, IXb, IXe, Xd
II Wildlife Bibliography	PW	no		⊙ ○	Ic, IIId, VIc, IXa, Xc, Xd, Xf, Xg Ia, Ib, IIb, IIIa
III Changing the Land	PW	yes	1, 2, 4	● ⊙ ○	IIIh IIb, IIIc, IIIg, IIIk, VIc, IXd Xc
III Enviro-Ethics	PW	no	2, 3, 4	● ⊙ ○	IVb Id, IIIk, IVf VIIIf
III History of Wildlife Management	PW	yes	1, 2, 4	● ⊙ ○	VIc Xh Ia, IXd, Xf, Xg
III Hazardous Links, Possible Solutions	PW	yes		⊙ ○	VIc, VIIId, IXd, Xh, Xj IIb, IIIh, IIIk, VIa, VIIj, Xc, Xd

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Section - Activity	Activity Guide	IA Supplement	Extension	Correlation	Social Studies Standards
III Hunter (The)	PW	yes	1, 3, 4	● ⊙ ○	Xc, Xd Ia, Ib, Id, IIf, VIa, VIc IVb, Xb
III Improving Wildlife Habitat	PW	no	1, 2	● ⊙ ○	IIIk, Xj IVb, Xe IIIc, IIIe, IXd
III Litter We Know	PW	no	1, 2	⊙ ○	IXd IIIh, Xj
III Planning for People	PW	no	1, 2	● ⊙ ○	IIIg, IIIk IIIc, IIIh, Vg Ia, IIf, IIIi, IIIj
III Pro and Con: Consumptive & Non-Consumptive Uses of Wildlife	PW	no		● ⊙ ○	Xd Xc Ia, Ib, Id, VIIIf, VIIj
III Rare Bird Eggs for Sale	PW	yes	3	● ⊙ ○	Xd VIa, VIc, Xc Ib (ext. 3), IIIk, IVb, Ve
III Riparian Zone	PW	no	1	● ⊙ ○	IXb, Xc, Xd Ia, IIIk, Vg, VIa, Xf, Xg IIIg, VIc
III Shrinking Habitat	PW	no	1, 2	● ⊙ ○	IIIh, IIIk IXd Ia
III To Zone or Not to Zone	PW	no	1, 2, 3, 4, 6	● ⊙ ○	IIIg, IIIk, Xc, Xd, Xe, Xf, Xg Ib, IXb Ia, Id, VIa, VIc, VIIIf, VIIj
III Wildwork	PW	no	1, 2	○	IVf, Xf

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I Blue Ribbon Niche	PWA	yes	2	☉ ○	IIIg, IIIk (ext. 2) IIIc, IIIh, VIIf, IXd
I Fishy Who's Who	PWA	yes		☉ ○	IIIa IIa, IId, IIIe
I Migration Headache	PWA	yes	3, 6, 7	● ☉ ○	IIIe IIIa IIIf, IIIg, IIIh, IIIk, Ve, Vg, VIa, VIc, VIIf, IXd, Xc, Xf, Xh
II Watered Down History	PWA	no		☉ ○	IId, IIIc, VIa Vg, IXd, Xc, Xf
III Alice in Waterland	PWA	yes		● ☉ ○	IIIk IIIf, IIIh, VIIj, IXd, Xj Ia, IVb, VIIf, Xe
III Aquatic Roots	PWA	yes		☉ ○	IIIg, IIIh, IIIi, Ia, Id, IIa, IIb, IIIa, IIIk, IXd, Xc, Xd
III Dragonfly Pond	PWA	yes		● ☉ ○	Ia, Ib, IIIg, IIIk, IXb, IXd, Xc, Xd, Xe Id, IIIa, IIIh, VIIj, Xf, Xg, Xh, Xj Vg
III Something's Fishy Here	PWA	yes		● ☉ ○	IXd Id, IIIk, Xc, Xe, Xj IIb, IIf, IIIg, IIIh, IVb, Xd
III To Dam or Not to Dam	PWA	yes		● ☉ ○	Ia, Ib, Id, IIa, IIIk, IXd, Xc, Xd, Xe, Xf, Xg, Xh IIIg, IIIh, Vg, IXb, Xb, Xj IIb, IIIa, IIIj, IVb, VIa, VIc, VIIj
III What's in the Air	PWA	yes	4, 5	○	IIIa, IIIf, VIIj, IXb, IXd (ext. 4, 5)
III What's in the Water?	PWA	yes	3, 4	☉ ○	IIIh, IXd, Xc (ext. 4) IIIg, IIIk, VIa, VIc (ext. 3), IXb (ext. 4)

Science

Number - Activity	Activity Guide	IA Supplement	Portions	Correlation	Science Standards
#10 Charting Diversity	PLT	yes		<input checked="" type="radio"/> <input type="radio"/> <input checked="" type="radio"/> <input checked="" type="radio"/>	<i>Unifying Concepts and Processes:</i> Form and Function <i>C - Life Science:</i> Structure and Function in Living Systems
#11 Can it be Real?	PLT	no		<input type="radio"/> <input checked="" type="radio"/> <input checked="" type="radio"/> <input checked="" type="radio"/> <input checked="" type="radio"/>	<i>Unifying Concepts and Processes:</i> Constancy, Change, and Measurement Evolution and Equilibrium Form and Function <i>C - Life Science:</i> Regulation and Behavior Diversity and Adaptations of Organisms
#14 Renewable or Not?	PLT	yes		<input checked="" type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>	<i>Unifying Concepts and Processes:</i> Evidence, Models and Explanation <i>C - Life Science:</i> Populations and Ecosystems <i>E - Science & Technology:</i> Understanding about Science and Technology <i>F - Science in Personal and Social Perspectives:</i> Populations, Resources, and Environments Natural Hazards

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#23 The Fallen Log	PLT	yes		⊙ ● ○	<i>Unifying Concepts and Processes: Systems, Order, & Organization</i> <i>C - Life Science: Populations & Ecosystems</i> <i>D - Earth and Space: Structure of the Earth System</i>
#26 Dynamic Duos	PLT	no		● ●	<i>Unifying Concepts and Processes: Systems, Order, & Organization</i> <i>C - Life Science: Populations and Ecosystems</i>
#27 Every Tree for Itself	PLT	yes		⊙ ⊙ ○ ⊙ ○	<i>Unifying Concepts and Processes: Systems, Order, & Organization</i> <i>Evidence, Models, & Explanation</i> <i>B - Physical Science: Transfer of Energy</i> <i>C - Life Science: Populations & Ecosystems</i> <i>F - Science in Personal and Social Perspectives: Populations, Resources, & Environments</i>

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#28 Air Plants	PLT	no		<ul style="list-style-type: none"> ⊙ ⊙ ○ ○ ⊙ ○ ● 	<i>Unifying Concepts and Processes:</i> Systems, Order, & Organization Evidence, Models, & Explanation <i>B - Physical Science:</i> Transfer of Energy <i>C - Life Science:</i> Structure & Function in Living Systems Populations & Ecosystems <i>D - Earth and Space:</i> Structure of the Earth System <i>F - Science in Personal and Social Perspectives:</i> Personal Health
#41 How Plants Grow	PLT	no		<ul style="list-style-type: none"> ● ⊙ ⊙ ⊙ ○ ○ 	<i>Unifying Concepts and Processes:</i> Systems, Order, & Organization Evidence, Models, & Explanation Constancy, Change, & Measurement <i>B - Physical Science:</i> Transfer of Energy <i>C - Life Science:</i> Populations & Ecosystems <i>D - Earth and Space:</i> Earth in the Solar System
#42 Sunlight and Shades of Green	PLT	no		<ul style="list-style-type: none"> ● ⊙ ⊙ ● ○ 	<i>Unifying Concepts and Processes:</i> Systems, Order, & Organization Evidence, Models, & Explanation <i>B - Physical Science:</i> Transfer of Energy <i>C - Life Science:</i> Populations & Ecosystems <i>D - Earth and Space:</i> Earth in the Solar System

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#47 Are Vacant Lots Vacant?	PLT	no		<input checked="" type="radio"/> <input type="radio"/>	<i>C - Life Science: Populations & Ecosystems</i> <i>Diversity and Adaptations of Organisms</i>
#48 Field, Forest and Stream	PLT	yes		<input checked="" type="radio"/> <input checked="" type="radio"/> <input type="radio"/> <input type="radio"/> <input checked="" type="radio"/> <input type="radio"/>	<i>Unifying Concepts and Processes: Evidence, Models, & Explanation</i> <i>Constancy, Change, & Measurement</i> <i>B - Physical Science: Properties & Changes of Properties in Matter</i> <i>Transfer of Energy</i> <i>C - Life Science: Populations & Ecosystems</i> <i>D - Earth and Space: Structure of the Earth System</i>
#70 Soil Stories	PLT	no		<input type="radio"/> <input checked="" type="radio"/> <input checked="" type="radio"/> <input checked="" type="radio"/> <input checked="" type="radio"/> <input checked="" type="radio"/> <input checked="" type="radio"/>	<i>Unifying Concepts and Processes: Systems, Order, & Organization</i> <i>Evidence, Models, & Explanation</i> <i>Constancy, Change, & Measurement</i> <i>Form and Function</i> <i>C - Life Science: Populations & Ecosystems</i> <i>D - Earth and Space: Structure of the Earth System</i>
#71 Watch on Wetlands	PLT	no		<input type="radio"/> <input checked="" type="radio"/> <input checked="" type="radio"/> <input checked="" type="radio"/> <input checked="" type="radio"/> <input type="radio"/>	<i>Unifying Concepts and Processes: Form & Function</i> <i>C - Life Science: Populations & Ecosystems</i> <i>D - Earth and Space: Structure of the Earth System</i> <i>F - Science in Personal and Social Perspectives: Risks & Benefits</i> <i>G - History and Nature of Science: Nature of Science</i>

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#76 Tree Cookies	PLT	yes		<ul style="list-style-type: none"> ⊙ ● ⊙ ⊙ ○ 	<i>Unifying Concepts and Processes:</i> Evidence, Models, & Explanation Constancy, Change, & Measurement <i>C - Life Science:</i> Regulation & Behavior Diversity and Adaptation of Organisms <i>F - Science in Personal and Social Perspectives:</i> Natural hazards
#80 Nothing Succeeds Like Succession	PLT	yes		<ul style="list-style-type: none"> ⊙ ⊙ ● ● ⊙ ● ○ ○ 	<i>Unifying Concepts and Processes:</i> Systems, Order, & Organization Evidence, Models, & Explanation Constancy, Change, & Measurement Evolution & Equilibrium <i>C - Life Science:</i> Regulation & Behavior Diversity & Adaptation of Organisms <i>D - Earth and Space:</i> Structure of the Earth System Earth's History
#86 Our Changing World	PLT	no		<ul style="list-style-type: none"> ⊙ ⊙ ⊙ ● ⊙ ⊙ ⊙ 	<i>Unifying Concepts and Processes:</i> Systems, Order, & Organization Constancy, Change, & Measurement Evolution & Equilibrium <i>C - Life Science:</i> Diversity & Adaptation of Organisms <i>D - Earth and Space Science:</i> Structure of the Earth System <i>F - Science in Personal & Social Perspectives:</i> Populations, Resources, & Environments Science & Technology in Society

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#88 Life on the Edge	PLT	yes		<ul style="list-style-type: none"> ⊙ ● ○ ○ ⊙ 	<i>Unifying Concepts and Processes:</i> Evidence, Models, & Explanation Constancy, Change, & Measurement <i>C - Life Science:</i> Diversity & Adaptation of Organisms <i>E - Science and Technology:</i> Understanding about Science & Technology <i>F - Science in Personal and Social Perspectives:</i> Risks & Benefits
Section - Activity	Activity Guide	IA Supplement	Portions	Correlation	Science Standards
#94 By the Rivers of Babylon	PLT	yes		<ul style="list-style-type: none"> ○ ⊙ ○ ○ ⊙ ⊙ ● 	<i>Unifying Concepts and Processes:</i> Systems, Order, & Organization Evolution & Equilibrium <i>C - Life Science:</i> Populations & Ecosystems <i>E - Science & Technology:</i> Understanding about Science & Technology <i>F - Science in Personal and Social Perspectives:</i> Populations, Resources, & Environments <i>G - History and Nature of Science:</i> History of Science

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I Ecosystem Facelift	PW	no	2	<input checked="" type="radio"/> <input checked="" type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input checked="" type="radio"/> <input type="radio"/> <input type="radio"/>	<i>Unifying Concepts and Processes:</i> Systems, Order, & Organization Evidence, Models, & Explanation Constancy, Change, & Measurement Evolution & Equilibrium Form & Function <i>A - Science as Inquiry:</i> Abilities Necessary to do Scientific Inquiry <i>C - Life Science:</i> Regulation & Behavior Populations and Ecosystems <i>G - History and Nature of Science:</i> Science as Human Endeavor Nature of Science
I How Many Bears Can Live in This Forest?	PW	yes		<input type="radio"/> <input checked="" type="radio"/> <input type="radio"/> <input type="radio"/> <input checked="" type="radio"/> <input checked="" type="radio"/>	<i>Unifying Concepts and Processes:</i> Systems, Order, & Organization Evidence, Models, & Explanation Constancy, Change, & Measurement Evolution & Equilibrium <i>C - Life Science:</i> Regulation & Behavior Populations & Ecosystems

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I Planting Animals	PW	no		<input type="radio"/> <input type="radio"/> <input type="radio"/> <input checked="" type="radio"/> <input type="radio"/> <input checked="" type="radio"/> <input type="radio"/> <input checked="" type="radio"/> <input checked="" type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input checked="" type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>	<i>Unifying Concepts and Processes:</i> Systems, Order, & Organization Evidence, Models, & Explanation Constancy, Change, & Measurement <i>A - Science as Inquiry:</i> Abilities Necessary to do Scientific Inquiry Understanding About Scientific Inquiry <i>C - Life Science:</i> Reproduction & Heredity Regulation & Behavior Populations & Ecosystems Diversity & Adaptations of Organisms <i>E - Science & Technology:</i> Abilities of Technological Design Understanding About Science & Technology <i>F - Science in Personal and Social Perspectives:</i> Populations, Resources, & Environments Natural Hazards <i>G - History and Nature of Science:</i> Science as Human Endeavor Nature of Science
I Which Niche?	PW	yes	1 & 4	<input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input checked="" type="radio"/>	<i>Unifying Concepts and Processes:</i> Systems, Order, & Organization Form and Function <i>A - Science as Inquiry:</i> Understanding About Scientific Inquiry <i>C - Life Science:</i> Regulation & Behavior Populations & Ecosystems

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II Changing Attitudes	PW	yes	1 & 3	<input type="radio"/> <input checked="" type="radio"/> <input type="radio"/> <input checked="" type="radio"/> <input checked="" type="radio"/> <input type="radio"/> <input type="radio"/> <input checked="" type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>	<i>Unifying Concepts and Processes:</i> Evidence, Models & Explanation Constancy, Change & Measurement Evolution and Equilibrium <i>A - Science as Inquiry:</i> Abilities Necessary to do Scientific Inquiry Understanding About Scientific Inquiry <i>C - Life Science:</i> Reproduction & Heredity Regulation & Behavior <i>E - Science & Technology:</i> Abilities of Technological Design <i>F - Science in Personal and Social Perspectives:</i> Populations, Resources, & Environments Natural Hazards Risks and Benefits Science and Technology in Society <i>G - History and Nature of Science:</i> Science as Human Endeavor
II Pay to Play	PW	yes		<input checked="" type="radio"/> <input type="radio"/> <input type="radio"/>	<i>Unifying Concepts and Processes:</i> Evidence, Models, & Explanation <i>F - Science in Personal and Social Perspectives:</i> Science and Technology in Society <i>G - History and Nature of Science:</i> Science as Human Endeavor

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III Changing the Land	PW	yes	3 & 5	<input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input checked="" type="radio"/> <input checked="" type="radio"/>	<i>Unifying Concepts and Processes:</i> Evidence, Models & Explanation Constancy, Change & Measurement Evolution and Equilibrium <i>A - Science as Inquiry:</i> Abilities Necessary to do Scientific Inquiry Understanding About Scientific Inquiry <i>C - Life Science:</i> Regulation and Behavior Populations and Ecosystems
III Checks and Balances	PW	yes		<input checked="" type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input checked="" type="radio"/> <input checked="" type="radio"/> <input checked="" type="radio"/> <input type="radio"/> <input checked="" type="radio"/> <input checked="" type="radio"/> <input checked="" type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>	<i>Unifying Concepts and Processes:</i> Systems, Order, & Organization Evidence, Models, & Explanation Constancy, Change, & Measurement <i>A - Science as Inquiry:</i> Abilities Necessary to do Scientific Inquiry Understanding About Scientific Inquiry <i>C - Life Science:</i> Reproduction & Heredity Regulation & Behavior Populations & Ecosystems Diversity & Adaptations of Organisms <i>E - Science & Technology:</i> Abilities of Technological Design Understanding About Science & Technology <i>F - Science in Personal and Social Perspectives:</i> Populations, Resources, & Environments Natural Hazards Risks and Benefits <i>G - History and Nature of Science:</i> Science as Human Endeavor

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III Here Today, Gone Tomorrow	PW	yes	Younger: 1 Older: 1, 2, 3	<input type="radio"/> <input type="radio"/> <input type="radio"/> <input checked="" type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input checked="" type="radio"/> <input checked="" type="radio"/>	<i>Unifying Concepts and Processes:</i> Systems, Order, & Organization Evidence, Models, & Explanation Constancy, Change, & Measurement Evolution and Equilibrium <i>A - Science as Inquiry:</i> Abilities Necessary to do Scientific Inquiry Understanding About Scientific Inquiry <i>C - Life Science:</i> Structure and Function in Living Systems Reproduction & Heredity Regulation & Behavior Populations & Ecosystems Diversity & Adaptations of Organisms <i>F - Science in Personal and Social Perspectives:</i> Populations, Resources, & Environments Natural Hazards
III Hunter (The)	PW	yes	2	<input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input checked="" type="radio"/> <input type="radio"/> <input type="radio"/>	<i>Unifying Concepts and Processes:</i> Systems, Order, & Organization Constancy, Change, & Measurement <i>C - Life Science:</i> Reproduction & Heredity Regulation & Behavior Populations & Ecosystems <i>F - Science in Personal and Social Perspectives:</i> Populations, Resources, & Environments Natural Hazards Risks and Benefits

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III Improving Wildlife Habitat in the Community	PW	no	2	<ul style="list-style-type: none"> ⊙ ⊙ ○ ⊙ ○ ○ ⊙ ● ○ ○ ○ 	<i>Unifying Concepts and Processes:</i> Systems, Order, & Organization Evidence, Models, & Explanation Constancy, Change, & Measurement <i>A - Science as Inquiry:</i> Abilities Necessary to do Scientific Inquiry Understanding About Scientific Inquiry <i>C - Life Science:</i> Regulation & Behavior Populations & Ecosystems <i>E - Science & Technology:</i> Abilities of Technological Design Understanding About Science & Technology <i>F - Science in Personal and Social Perspectives:</i> Populations, Resources, & Environments Risks and Benefits

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III Migration Barriers	PW	no		<input type="radio"/> <input type="radio"/> <input type="radio"/> <input checked="" type="radio"/> <input type="radio"/> <input checked="" type="radio"/> <input checked="" type="radio"/> <input type="radio"/> <input checked="" type="radio"/> <input checked="" type="radio"/> <input type="radio"/> <input type="radio"/> <input checked="" type="radio"/> <input checked="" type="radio"/> <input type="radio"/> <input type="radio"/> <input checked="" type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>	<i>Unifying Concepts and Processes:</i> Systems, Order, & Organization Evidence, Models, & Explanation Constancy, Change, & Measurement <i>A - Science as Inquiry:</i> Abilities Necessary to do Scientific Inquiry Understanding About Scientific Inquiry <i>C - Life Science:</i> Regulation & Behavior Populations & Ecosystems Diversity and Adaptations of Organisms <i>E - Science & Technology:</i> Abilities of Technological Design Understanding About Science & Technology <i>F - Science in Personal and Social Perspectives:</i> Populations, Resources, & Environments Natural Hazards Risks and Benefits Science and Technology in Society <i>G - History and Nature of Science:</i> Science as Human Endeavor

Correlation Key

- indicates that the concept is a *main* focus of the activity
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Section - Activity	Activity Guide	IA Supplement	Portions	Correlation	Science Standards
III Rare Bird Eggs For Sale	PW	yes		<input type="radio"/> <input type="radio"/> <input type="radio"/> <input checked="" type="radio"/> <input type="radio"/> <input checked="" type="radio"/> <input checked="" type="radio"/> <input checked="" type="radio"/> <input type="radio"/> <input checked="" type="radio"/> <input type="radio"/> <input checked="" type="radio"/> <input checked="" type="radio"/> <input type="radio"/> <input type="radio"/>	<i>Unifying Concepts and Processes:</i> Systems, Order, & Organization Evidence, Models, & Explanation Constancy, Change, & Measurement <i>A - Science as Inquiry:</i> Abilities Necessary to do Scientific Inquiry Understanding About Scientific Inquiry <i>C - Life Science:</i> Reproduction & Heredity Regulation & Behavior Populations & Ecosystems Diversity and Adaptations of Organisms <i>E - Science & Technology:</i> Abilities of Technological Design Understanding About Science & Technology <i>F - Science in Personal and Social Perspectives:</i> Populations, Resources, & Environments Risks and Benefits <i>G - History and Nature of Science:</i> Science as Human Endeavor Nature of Science

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Section - Activity	Activity Guide	IA Supplement	Portions	Correlation	Science Standards
III Riparian Zone	PW	no		<ul style="list-style-type: none"> ⊙ ○ ○ ○ ⊙ ⊙ ⊙ ● ● ● ⊙ ⊙ ⊙ ⊙ ⊙ ⊙ ⊙ ⊙ 	<i>Unifying Concepts and Processes:</i> Systems, Order, & Organization Evidence, Models, & Explanation Constancy, Change, & Measurement Evolution and Equilibrium <i>A - Science as Inquiry:</i> Abilities Necessary to do Scientific Inquiry Understanding About Scientific Inquiry <i>C - Life Science:</i> Regulation & Behavior Populations & Ecosystems <i>E - Science & Technology:</i> Abilities of Technological Design Understanding About Science & Technology <i>F - Science in Personal and Social Perspectives:</i> Populations, Resources, & Environments Natural Hazards Risks and Benefits Science and Technology in Society <i>G - History and Nature of Science:</i> Science as Human Endeavor Nature of Science

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Section - Activity	Activity Guide	IA Supplement	Portions	Correlation	Science Standards
III Shrinking Habitat	PW	no	1	<ul style="list-style-type: none"> <input checked="" type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input checked="" type="radio"/> <input type="radio"/> <input checked="" type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input checked="" type="radio"/> 	<i>Unifying Concepts and Processes:</i> Systems, Order, & Organization Evidence, Models, & Explanation Constancy, Change, & Measurement Evolution and Equilibrium <i>A - Science as Inquiry:</i> Abilities Necessary to do Scientific Inquiry Understanding About Scientific Inquiry <i>C - Life Science:</i> Regulation & Behavior Populations & Ecosystems Diversity and Adaptations of Organisms <i>E - Science & Technology:</i> Abilities of Technological Design Understanding About Science & Technology <i>F - Science in Personal and Social Perspectives:</i> Populations, Resources, & Environments Natural Hazards Risks and Benefits Science and Technology in Society <i>G - History and Nature of Science:</i> Science as Human Endeavor

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Section - Activity	Activity Guide	IA Supplement	Portions	Correlation	Science Standards
I Blue Ribbon Niche	PWA	yes	Extensions: 1, 2	<ul style="list-style-type: none"> <li style="margin-bottom: 5px;"><input type="radio"/> <li style="margin-bottom: 5px;"><input checked="" type="radio"/> <li style="margin-bottom: 5px;"><input type="radio"/> <li style="margin-bottom: 5px;"><input type="radio"/> <li style="margin-bottom: 5px;"><input checked="" type="radio"/> <li style="margin-bottom: 5px;"><input type="radio"/> <li style="margin-bottom: 5px;"><input checked="" type="radio"/> <li style="margin-bottom: 5px;"><input type="radio"/> <li style="margin-bottom: 5px;"><input type="radio"/> <li style="margin-bottom: 5px;"><input checked="" type="radio"/> <li style="margin-bottom: 5px;"><input type="radio"/> <li style="margin-bottom: 5px;"><input checked="" type="radio"/> <li style="margin-bottom: 5px;"><input type="radio"/> <li style="margin-bottom: 5px;"><input type="radio"/> <li style="margin-bottom: 5px;"><input type="radio"/> <li style="margin-bottom: 5px;"><input type="radio"/> <li style="margin-bottom: 5px;"><input checked="" type="radio"/> <li style="margin-bottom: 5px;"><input type="radio"/> <li style="margin-bottom: 5px;"><input checked="" type="radio"/> <li style="margin-bottom: 5px;"><input checked="" type="radio"/> <li style="margin-bottom: 5px;"><input checked="" type="radio"/> 	<p><i>Unifying Concepts and Processes:</i></p> <ul style="list-style-type: none"> Systems, Order, & Organization Evidence, Models, & Explanation Constancy, Change, & Measurement Evolution and Equilibrium Form and Function <p><i>A - Science as Inquiry:</i></p> <ul style="list-style-type: none"> Abilities Necessary to do Scientific Inquiry Understanding About Scientific Inquiry <p><i>C - Life Science:</i></p> <ul style="list-style-type: none"> Structure and Function in Living Systems Reproduction & Heredity Regulation & Behavior Populations & Ecosystems Diversity & Adaptations of Organisms <p><i>D - Earth and Space Science:</i></p> <ul style="list-style-type: none"> Structure of the Earth System Earth's History Earth in the Solar System <p><i>F - Science in Personal and Social Perspectives:</i></p> <ul style="list-style-type: none"> Personal Health Populations, Resources, & Environments Natural Hazards Risks and Benefits

Correlation Key

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Section - Activity	Activity Guide	IA Supplement	Portions	Correlation	Science Standards
I Designing a Habitat	PWA	yes	1, 2, 3	<ul style="list-style-type: none"> ⊙ ⊙ ○ ○ ⊙ ○ ○ ○ ○ ⊙ ⊙ ○ ○ ○ ⊙ ○ ○ ⊙ ○ ⊙ 	<i>Unifying Concepts and Processes:</i> Systems, Order, & Organization Evidence, Models, & Explanation Constancy, Change, & Measurement Evolution and Equilibrium Form and Function <i>A - Science as Inquiry:</i> Abilities Necessary to do Scientific Inquiry Understanding About Scientific Inquiry <i>B - Physical Science:</i> Properties & Changes of Properties in Matter <i>C - Life Science:</i> Regulation & Behavior Populations & Ecosystems <i>D - Earth and Space Science:</i> Structure of the Earth System <i>E - Science & Technology:</i> Abilities of Technological Design Understanding About Science & Technology <i>F - Science in Personal and Social Perspectives:</i> Populations, Resources, & Environments Risks and Benefits Science and Technology in Society

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Section - Activity	Activity Guide	IA Supplement	Portions	Correlation	Science Standards
I The Edge of Home	PWA	yes	1, 2, 3	<ul style="list-style-type: none"> ⊙ ⊙ ○ ○ ⊙ ⊙ ⊙ ● ○ ○ ○ ○ ○ ○ ○ ○ ○ 	<i>Unifying Concepts and Processes:</i> Systems, Order, & Organization Evidence, Models, & Explanation Constancy, Change, & Measurement Form and Function <i>A - Science as Inquiry:</i> Abilities Necessary to do Scientific Inquiry Understanding About Scientific Inquiry <i>C - Life Science:</i> Regulation & Behavior Populations & Ecosystems <i>D - Earth and Space Science:</i> Structure of the Earth System Earth's History Earth in the Solar System <i>E - Science & Technology:</i> Abilities of Technological Design Understanding About Science & Technology <i>F - Science in Personal and Social Perspectives:</i> Personal Health Populations, Resources, & Environments Natural Hazards

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Section - Activity	Activity Guide	IA Supplement	Portions	Correlation	Science Standards
I Fishy Who's Who	PWA	yes	1, 2, 3, 4, 5	<input checked="" type="radio"/> <input checked="" type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input checked="" type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input checked="" type="radio"/> <input checked="" type="radio"/> <input type="radio"/> <input type="radio"/>	<i>Unifying Concepts and Processes:</i> Systems, Order, & Organization Evidence, Models, & Explanation Form and Function <i>A - Science as Inquiry: Abilities Necessary to do Scientific Inquiry</i> Understanding About Scientific Inquiry <i>C - Life Science:</i> Structure & Function in Living Systems Reproduction & Heredity Regulation & Behavior Populations & Ecosystems Diversity and Adaptations of Organisms <i>D - Earth and Space Science:</i> Structure of the Earth System Earth's History
I Micro Odyssey	PWA	yes	1, 2	<input checked="" type="radio"/> <input type="radio"/> <input checked="" type="radio"/> <input checked="" type="radio"/> <input checked="" type="radio"/> <input checked="" type="radio"/> <input type="radio"/> <input type="radio"/> <input checked="" type="radio"/> <input type="radio"/> <input type="radio"/>	<i>Unifying Concepts and Processes:</i> Systems, Order, & Organization Evidence, Models, & Explanation Form and Function <i>A - Science as Inquiry: Abilities Necessary to do Scientific Inquiry</i> Understanding About Scientific Inquiry <i>C - Life Science: Structure & Function in Living Systems</i> Reproduction & Heredity Regulation & Behavior Populations & Ecosystems <i>E - Science & Technology:</i> Abilities of Technological Design Understanding About Science & Technology

Section - Activity	Activity Guide	IA Supplement	Portions	Correlation	Science Standards
I Migration Headache	PWA	yes	1, 2, 3, 4, 5	<input checked="" type="radio"/> <input checked="" type="radio"/> <input checked="" type="radio"/> <input checked="" type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input checked="" type="radio"/> <input checked="" type="radio"/> <input checked="" type="radio"/> <input checked="" type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>	<i>Unifying Concepts and Processes:</i> Systems, Order, & Organization Evidence, Models, & Explanation Constancy, Change, & Measurement Evolution & Equilibrium Form & Function <i>C - Life Science:</i> Structure and Function in Living Systems Reproduction & Heredity Regulation & Behavior Populations & Ecosystems Diversity & Adaptations of Organisms <i>F - Science in Personal and Social Perspectives:</i> Populations, Resources, & Environments Natural Hazards Risks and Benefits

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Section - Activity	Activity Guide	IA Supplement	Portions	Correlation	Science Standards
I Water Canaries	PWA	yes	1, 2, 3, 4, 5, 6, 7, 8	<ul style="list-style-type: none"> ⊙ ⊙ ⊙ ○ ● ● ○ ⊙ ● ○ ○ ○ ○ ○ ● ○ ○ ○ ○ ○ 	<p><i>Unifying Concepts and Processes:</i></p> <ul style="list-style-type: none"> Systems, Order, & Organization Evidence, Models, & Explanation Constancy, Change, & Measurement Evolution & Equilibrium <p><i>A - Science as Inquiry:</i></p> <ul style="list-style-type: none"> Abilities Necessary to do Scientific Inquiry Understanding About Scientific Inquiry <p><i>C - Life Science:</i></p> <ul style="list-style-type: none"> Structure and Function in Living Systems Regulation & Behavior Populations & Ecosystems <p><i>D - Earth and Space Science:</i></p> <ul style="list-style-type: none"> Structure of the Earth System <p><i>E - Science & Technology:</i></p> <ul style="list-style-type: none"> Abilities of Technological Design Understanding About Science & Technology <p><i>F - Science in Personal and Social Perspectives:</i> Populations, Resources, & Environments</p> <ul style="list-style-type: none"> Natural Hazards Risks & Benefits Science and Technology in Society

<p>Correlation Key</p> <ul style="list-style-type: none"> ● indicates that the concept is a <i>main</i> focus of the activity ○ indicates that the concept is <i>addressed</i> in the activity 	<ul style="list-style-type: none"> ⊙ indicates that the concept is <i>part</i> of the focus of the activity
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Section - Activity	Activity Guide	IA Supplement	Portions	Correlation	Science Standards
I Wetland Metaphors	PWA	yes	1	<ul style="list-style-type: none"> ⊙ ○ ● ○ ○ ○ ⊙ 	<i>Unifying Concepts and Processes:</i> Systems, Order, & Organization Evidence, Models, & Explanation Form and Function <i>A - Science as Inquiry:</i> Abilities Necessary to do Scientific Inquiry <i>C - Life Science:</i> Populations and Ecosystems <i>F - Science in Personal and Social Perspectives:</i> Populations, Resources, & Environments
I Where Does Water Run?	PWA	yes	1 & 3	<ul style="list-style-type: none"> ⊙ ⊙ ● ○ ○ ○ ● ● ○ ○ ○ 	<i>Unifying Concepts and Processes:</i> Systems, Order, & Organization Evidence, Models, & Explanation Constancy, Change, & Measurement Evolution & Equilibrium Form & Function <i>A - Science as Inquiry:</i> Abilities Necessary to do Scientific Inquiry Understanding About Scientific Inquiry <i>C - Life Science:</i> Regulation & Behavior Populations & Ecosystems <i>D - Earth and Space Science:</i> Structure of the Earth System

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Section - Activity	Activity Guide	IA Supplement	Portions	Correlation	Science Standards
III Aquatic Roots	PWA	yes	2	<input type="radio"/> <input checked="" type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input checked="" type="radio"/> <input checked="" type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input checked="" type="radio"/> <input type="radio"/> <input type="radio"/> <input checked="" type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>	<i>Unifying Concepts and Processes:</i> Systems, Order, & Organization Evidence, Models & Explanation Constancy, Change & Measurement Evolution & Equilibrium Form and Function <i>A - Science as Inquiry:</i> Abilities Necessary to do Scientific Inquiry Understanding About Scientific Inquiry <i>C - Life Science:</i> Structure and Function in Living Systems Reproduction & Heredity Regulation & Behavior Populations & Ecosystems Diversity & Adaptations of Organisms <i>F - Science in Personal and Social Perspectives:</i> Personal Health Populations, Resources, & Environments Natural Hazards Risks and Benefits Science and Technology in Society

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Section - Activity	Activity Guide	IA Supplement	Portions	Correlation	Science Standards
III Dragonfly Pond	PWA	yes	2, 3, 5, 6, 7	<ul style="list-style-type: none"> ⊙ ⊙ ○ ⊙ ⊙ ○ ⊙ ⊙ ○ ● ⊙ ○ ⊙ ○ 	<i>Unifying Concepts and Processes:</i> Systems, Order, & Organization Evidence, Models, & Explanation Constancy, Change, & Measurement <i>A - Science as Inquiry:</i> Abilities Necessary to do Scientific Inquiry Understanding About Scientific Inquiry <i>C - Life Science:</i> Regulation & Behavior Populations & Ecosystems <i>D - Earth and Space Science:</i> Structure of the Earth System <i>E - Science & Technology:</i> Abilities of Technological Design Understanding About Science and Technology <i>F - Science in Personal & Social Perspectives:</i> Personal Health Risks & Benefits <i>G - History and Nature of Science:</i> Nature of Science

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Section - Activity	Activity Guide	IA Supplement	Portions	Correlation	Science Standards
III Puddle Wonders!	PWA	yes	1, 2, 4	<input type="radio"/> <input checked="" type="radio"/> <input checked="" type="radio"/> <input checked="" type="radio"/> <input type="radio"/> <input checked="" type="radio"/> <input checked="" type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>	<i>Unifying Concepts and Processes:</i> Systems, Order, & Organization Evidence, Models, & Explanation Constancy, Change, & Measurement <i>A - Science as Inquiry:</i> Abilities Necessary to do Scientific Inquiry Understanding About Scientific Inquiry <i>C - Life Science:</i> Reproduction & Heredity Regulation & Behavior Populations & Ecosystems <i>F - Science in Personal and Social Perspectives:</i> Populations, Resources, & Environments Natural Hazards
III Something's Fishy Here!	PWA	yes	1, 2, 3	<input checked="" type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input checked="" type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input checked="" type="radio"/> <input type="radio"/> <input checked="" type="radio"/> <input checked="" type="radio"/>	<i>Unifying Concepts and Processes:</i> Systems, Order, & Organization Evidence, Models, & Explanation Constancy, Change, & Measurement Evolution and Equilibrium <i>A - Science as Inquiry:</i> Abilities Necessary to do Scientific Inquiry Understanding About Scientific Inquiry <i>B - Physical Science:</i> Properties & Changes of Properties in Matter Motion & Forces Transfer of Energy <i>C - Life Science:</i> Structure and Function in Living Systems Reproduction & Heredity Regulation & Behavior Populations & Ecosystems

				<ul style="list-style-type: none"> ⊙ ○ ○ ● ● ○ ● ● ○ ● ● ○ 	<p>Diversity & Adaptations of Organisms</p> <p><i>D - Earth and Space Science:</i></p> <p>Structure of the Earth System</p> <p>Earth's History</p> <p><i>E - Science & Technology:</i></p> <p>Abilities of Technological Design</p> <p>Understanding About Science & Technology</p> <p><i>F - Science in Personal and Social Perspectives:</i></p> <p>Personal Health</p> <p>Populations, Resources, & Environments</p> <p>Natural Hazards</p> <p>Risks and Benefits</p> <p>Science and Technology in Society</p> <p><i>G - History and Nature of Science:</i></p> <p>Science as Human Endeavor</p> <p>Nature of Science</p> <p>History of Science</p>
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Section - Activity	Activity Guide	IA Supplement	Portions	Correlation	Science Standards
III To Dam or Not to Dam	PWA	yes	1, 3	<p>⊙ ○ ○ ⊙ ○</p> <p>⊙ ○ ○</p> <p>○ ○ ○ ○ ⊙</p> <p>○</p> <p>○</p> <p>●</p> <p>●</p> <p>○ ○ ⊙ ●</p> <p>○ ○</p>	<p><i>Unifying Concepts and Processes:</i> Systems, Order, & Organization Evidence, Models, & Explanation Constancy, Change, & Measurement Evolution and Equilibrium Form and Function</p> <p><i>A - Science as Inquiry:</i> Abilities Necessary to do Scientific Inquiry Understanding About Scientific Inquiry</p> <p><i>B - Physical Science:</i> Motion and Forces Transfer of Energy</p> <p><i>C - Life Science:</i> Structure & Function in Living Systems Reproduction & Heredity Regulation & Behavior Populations & Ecosystems Diversity and Adaptations of Organisms</p> <p><i>D - Earth and Space Science:</i> Structure of the Earth System</p> <p><i>E - Science & Technology:</i> Abilities of Technological Design Understanding About Science & Technology</p> <p><i>F - Science in Personal & Social Perspectives:</i> Personal Health Populations, Resources, & Environments Risks & Benefits Science & Technology in Society</p> <p><i>G - History and Nature of Science:</i> Science as Human Endeavor Nature of Science</p>

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III Watershed	PWA	yes	1, 2, 3, 4, 6, 7, 8	<ul style="list-style-type: none"> ⊙ ● ● ⊙ ● ○ ○ ○ ⊙ ○ ○ ○ ○ ⊙ ⊙ ○ ○ ○ ○ 	<i>Unifying Concepts and Processes:</i> Systems, Order, & Organization Evidence, Models, & Explanation Constancy, Change, & Measurement Evolution & Equilibrium <i>A - Science as Inquiry:</i> Abilities Necessary to do Scientific Inquiry Understanding About Scientific Inquiry <i>B - Physical Science:</i> Motion and Forces <i>C - Life Science:</i> Regulation & Behavior Populations & Ecosystems <i>D - Earth and Space Science:</i> Structure of the Earth System Earth's History <i>E - Science & Technology:</i> Abilities of Technological Design Understanding About Science & Technology <i>F - Science in Personal and Social Perspectives:</i> Populations, Resources, & Environments Natural Hazards Risks and Benefits Science and Technology in Society <i>G - History and Nature of Science:</i> Nature of Science

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