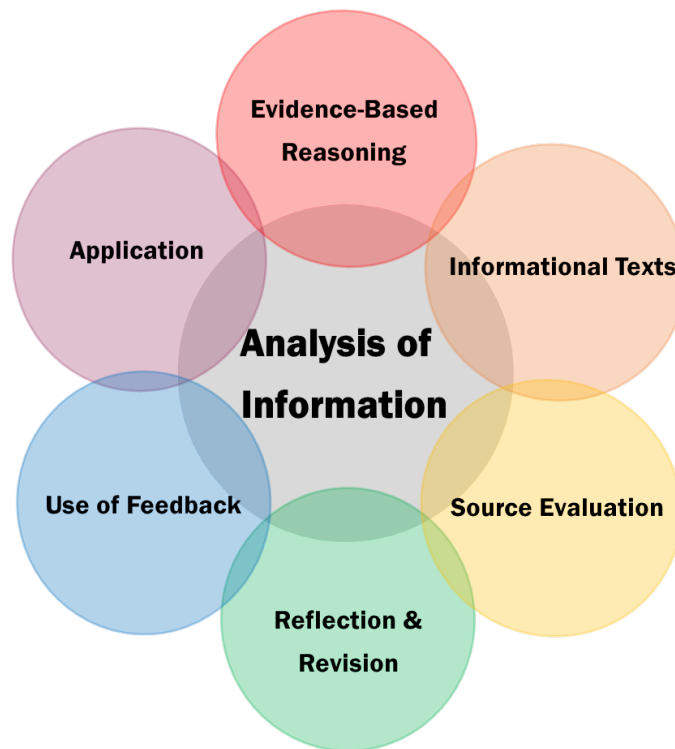


## Analysis of Information Thematic Evergreen: PBS Program and Supplemental Resources

### Purpose

The purpose of this resource is to support students and teachers in using PBS programming and supplemental resources through inquiry processes of interdisciplinary learning activities. Themes were identified based on available resources, content standards, and the [Vermont Portrait of a Graduate](#). Programs and resources that align with the theme of Analysis of Information are organized below. The resources are divided by elementary and secondary, though resources can be considered for use at any grade level. Content standards that align with available programs and resources are also included in this document.



### Standards

#### Math

Domain	Standard
Mathematical Practice	Model with mathematics Use appropriate tools strategically

### Contact Information:

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Domain	Standard
Measurement and Data	Describe and compare measurable attributes (K) Represent and interpret data (1-4)

## Science

Discipline	Disciplinary Core Idea
Physical Sciences	Motion and Stability: Forces and Interactions [PS2.A Forces and Motion, PS2.B Types of Interactions, PS2.C Stability and instability in physical systems (K, 3, 5)] Waves and Their Applications in Technologies for Information Transfer [PS4. A Wave properties (1, 4)]
Life Sciences	Heredity: Inheritance and Variation of Traits [LS3.A Inheritance of Traits, LS3.B Variation of Traits (1, 3)] Biological Evolution: Unity and Diversity [LS4.A Evidence of common ancestry and diversity, LS4.B Natural selection, LS4.C Adaptation (MS, HS)]
Earth and Space Sciences	Earth and Human Activity [ESS3.B Natural Hazards (MS)] Earth's Systems [ESS2.D Weather and Climate, ESS3.B Natural Hazards (MS, HS)] History of Earth [ESS1.C The history of planet Earth, ESS2.A Earth materials and systems, ESS2.B Plate tectonics and large-scale system interactions (MS, HS)]

## ELA

Strand	Anchor Standard
Reading: Range of Reading and Level of Text Complexity.	Read and comprehend complex literary and informational texts independently and proficiently.
Writing: Research to Build and Present Knowledge.	Gather relevant information from multiple print and digital sources, assess the credibility and accuracy of each source, and integrate the information while avoiding plagiarism.

## Arts

Anchor Standard	Enduring Understanding
MU 2. Generate and conceptualize artistic ideas and work.	The creative ideas, concepts, and feelings that influence musicians' work emerge from a variety of sources.

## Social Studies

Dimension	Indicators
D3. Evaluating Sources and Using Evidence.	<p>D3.1.K-2: Gather relevant information from on or two sources while using the origin and structure to guide the selection.</p> <p>D3.1.3-5: Gather relevant information from multiple sources while using the origin structure, and context to guide the selection.</p> <p>D3.1.6-8: Gather relevant information from multiple sources while using the origin, authority, structure, context, and corroborative value of the sources to guide the selection.</p> <p>D3.1.9-12: Gather relevant information from multiple sources representing a wide range of views while using the origin, authority, structure, context, and corroborative value of the sources to guide the selection.</p>

## Health Education

Skill	Standard
Analyze Influences	Health <a href="#">Standard 2</a> . Students will analyze the influence of family, peers, culture, media, technology, and other factors on health behaviors.

The resources below are organized by general program resources and episode-specific resources and provide opportunities for students to develop skills related to analysis of information. General resources are listed below the program title, while episode-specific resources are organized in tables.

## Elementary

### Odd Squad

- Scholastic Learning Magazine Online: [Measurement-Literature and Math Connections](#)
- K-5 Math Teaching Resources: [Word Problems with Time Intervals](#)
- Khan Academy: [Making 5 Video Instruction and Practice](#)
- Khan Academy: [Making 10 Video Instruction and Practice](#)
- Math Playground: [Video bar graphs](#)
- D.R.E.M.E (Stanford): At Home Early Math Kit for Families [English](#) (printable) [Espanol](#) (imprimible)
- Learning Trajectories: [Double Impact - Math and Executive Function](#) (article)
- PBS Learning Media: [Odd Squad Be the Agent Camp](#) (collection of printable and online activities)
- [Fun Math Games for Grades K-5](#) (printable)
- PBS Learning Media: [Odd Squad Math After School Adventure](#)

Episode	Resources
Who is Agent Otis (Charts, Line Graphs, Data Analysis)	Scholastic: <a href="#">15 Math Games in 15 Minutes or Less</a> <a href="#">The Next Class President Graph</a> (printable)
The Void/Into the Odd Woods (Deductive Reasoning; Numerical vs. Categorical Data)	PBS Learning Media: <a href="#">Deductive and Inductive Reasoning Teaching Tips (Grade 1)</a> <a href="#">Analyzing Data</a> (Grade 3) PBS Kids: <a href="#">Agent Check-Up</a> (interactive game) PBS Learning Media: <a href="#">The Adventures of the Electric Company on Prankster Planet Math Activities</a> (printable)
Odds & Ends (Charts, Line Graphs, Data Analysis, and Collection)	Scholastic: <a href="#">Books for Teaching Math Creatively. Collect and Represent Data</a>
Undercover Olive (Data Collection and Analysis; Solving Simple Probability Problems)	PBS Learning Media: <a href="#">Prankster Planet: Mission 1 - The Electric Company</a> (video) PBS Media: <a href="#">Rock, Paper, Scissors</a>
Odd Beginnings Parts I and II (Measurement, Simple Machines)	PBS Learning <a href="#">Media: Operation Animal Measurement</a> (printable) (Grades 1-3) PBS Learning: <a href="#">Measuring to Compare, The Electric Company Math Activities</a> (Grades 1-3) (printable) <a href="#">Simple Machines Foldable Booklet</a> Grade 3-5 (printable) <a href="#">Simple Machines Worksheet</a> Grade 3-5 (printable)
Music of Sound (Venn Diagrams and Sound)	<a href="#">Venn Diagram Graphic Organizer</a> PBS Kids: <a href="#">The Case of the Trophy Room Bandit</a> (printable) <a href="#">Music Lab Chrome Experiments</a> <a href="#">Musical Glasses</a>
Odd in 60 Seconds/Villain Networking (Time/Line Graphs) one minute	Early Math Counts: <a href="#">Telling Time</a> (PreK-K) <a href="#">Line Graphs- Movies Watched</a> (Grades 2-3) <a href="#">Popcorn Line Graph</a> (printable) **upload <a href="#">Books About Teaching Time</a>
Portalandia/Slides and Ladders (Tessellations/Negative Numbers)	<a href="#">Make Tessellation Art</a> PBS Learning Media: <a href="#">Number Operations After School Adventure</a> (printable)

## Molly of Denali

- PBS Kids: [Informational Text for Young Learners](#) (printable)
- Worksheet Place: [My Procedure Graphic Organizer](#) (printable)
- Worksheet Place: [Jot Notes Graphic Organizer](#) (printable)
- Eduplace: [Story Map Sequencing](#) graphic organizer (PK-K) (printable)
- AOE/PBS: [Episode Specific Discussion Questions and Connection Activities](#) (printable)

Episode	Resources
Froggy of Denali/Molly Mabray and the Mystery Stones	Scholastic Bookflix: Reading Connection-- <a href="#">Lifecycle of a Frog</a> Understood.org: <a href="#">Writing Connection - Frog Lifecycle sequence</a> (printable) Exploratorium: <a href="#">Art Connection--Create your own petroglyphs</a> (printable)
Welcome Home Balto/Snow Jam	AOE/PBS: <a href="#">Episode Specific Discussion Questions and Writing Connection Activities</a> American Kennel Club: <a href="#">Read the story of Balto</a> and <a href="#">Facts about Siberian Huskies</a> (printable) Understood.org: <a href="#">Informational Writing Activity about Balto or Siberian Huskies</a> (printable)

## Secondary

### NOVA

- [Back to the Moon](#)
- [Bigger Than T-Rex](#)

Episode	Resources
<a href="#">Arctic Ghost Ship</a>	Canadian Geographic: <a href="#">2014 Victoria Strait Expedition</a> (printable) CBC-Radio Canada: <a href="#">The Quest for the Northwest Passage</a> (printable)
<a href="#">Australia's First 4 Billion Years Awakening</a>	Australian Museum: <a href="#">Australia Over Time</a> Australian Museum Research Institute (AMRI): <a href="#">Natural Sciences Collection Areas</a> <a href="#">Australia's First 4 Billion Years: Strange Creatures</a> Australian Museum <a href="#">Science of Life</a>