SCIENCE JOURNALS & LANGUAGE (OPEN COURT) CORRELATIONS AND READING LISTS

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Developed in collaboration with Inglewood Unified School District

WHAT SHOULD A K-1 GRADE SCIENCE LAB JOURNAL CONTAIN?

- Dated Entries
- Reader can identify science unit
- Pictures that are neat, clear, captioned and labeled
- Prewriting activities to develop listening and speaking skills as they share experiences in groups
- Writing- Grade appropriate entries that are copied, child dictated and/or child written

  K- Teacher initially writes down caption and language to go with student's pictures. Students begin to write words and phrases

  1- Begins to write using complete sentences
    - Descriptive, clear and fluent journal entries using invented spelling combined with graphics and/or pictures
    - Descriptive accuracy and details based on student observations
- Evidence of observations, predictions, procedures, findings and evaluations
- Evidence of experiential activities
- Evidence that student relates or applies content knowledge to self or other experiences
- Evidence of developmental improvement on the ability of the student to record activities and responses
- Journals reflect the professional development of the teacher and the responsiveness of the administration to meet the needs of the teacher

WHAT SHOULD A 2ND/3RD GRADE SCIENCE LAB JOURNAL CONTAIN?

- Title or question for focus lesson, date and time
- Evidence that student is learning to organize information (as modeled by the teacher initially)
    - Journal contains a table of contents with page numbers
    - Journal contains charts, tables, graphs and other formats of organizing data
    - Drawings and illustrations are clear and labeled appropriately
    - Diagrams are easy to read
    - All diagrams and illustrations support the content of the text
- Evidence that student participates in science exploration
    - Journal contains appropriate questions of investigations
    - Journal contains predictions
    - Procedures and/or descriptive listing of materials used (may be embedded in drawings)
    - Evidence of shared data collection (cooperative learning)
    - Student generates next steps and questions for further investigations
- Writing is appropriate for grade level
    - Student demonstrates an understanding of procedure by writing summations that analyze results
    - All descriptions are clear based on evidence and observations
    - Builds on prior knowledge
    - Expresses original ideas and relates topic to personal experiences
    - Language reflects analysis and comparison
    - Draws conclusions based on evidence collected
    - States directions used to complete assignments
    - Begins to write summary reports about the unit completed
    - Begins to use topic sentences and supporting details when writing paragraphs

WHAT SHOULD A 4TH/5TH/6TH GRADE SCIENCE LAB JOURNAL CONTAIN?

- Title or question for focus, date and time
- Journal is organized to record data and findings so students can refer back to specific entries when needed
    - Understands problem or questions to be investigated
    - States a logical prediction
    - Journal contains complete observations
    - Procedure includes descriptive list of materials
    - Methodology represents a "fair" test
    - Analyses conclusions
    - Summarizes what was learned or what was done and relates information to prior knowledge
    - Student is able to draw inferences
    - Student is able to set up complete experimental design
    - Evidence of recording experimental design that is complete to allow for replication of experiment for ongoing investigation
- Writing is appropriate to grade level
    - Legible
    - Descriptions are based on evidence and observation
    - Evidence of clear understanding of problem or question
    - Descriptions are accurate and reflect data and relevant vocabulary
    - Writes summary reports about topic or unit completed and organizes information in several paragraphs using their journal as a reference
    - Writes directions with increasing precision in selection of vocabulary
    - States opinion and supports with data collected
    - Evidence that student responds to "quick write" assignments

SCIENCE LITERATURE LISTS
GRADE 1

Oil Spill by Melvin Berger
The Snowman by Raymond Briggs
What Am I? Looking Through Shapes at Apples and Grapes by N.N. Charles
The Magic School Bus at the Waterworks by Joanna Cole
Bouncing and Rolling by Terry Jennings
The Snowy Day by Ezera Keats
Hammers and Mops, Pencils and Pots by True Kelley
The Great Blueness and Other Predicaments by Arnold Lobel
Prince Williams by Gloria Rand
Sylvester and the Magic Pebble by William Steig
Done In the Sun by Anne Hillerman
Feel the Wind by Arthur Dorros
A Forest Year by Carol Lerner
Down Comes the Rain by Franklyn M. Branley
Seasons and Weather by David Evans & Claudette Williams
Sunshine Makes the Seasons by Franklyn M. Branley
Amazing Armored Animals by Sadie Sowler
And So They Build by Bert Kitchen
Imagine by Alison Lester
Heads by Ron & Nancy Goor
The Reason for a Flower by Ruth Heller

SCIENCE LITERATURE LIST
GRADE 2

Seeds On the Go by Aileen Fisher
Magic Monsters Learn About Weather by Sylvia Root Tester
Rain and Hail by Franklyn M. Branley
City Lots by Phyllis S. Busch
A Crack In the Pavement by Ruth Howell
A Tree On Your Street by Seymour Simon
Mysteries and Marvels on Plant Life by Barbara Cork
Growing Things by Angela Wilkes
Bringing the Rain to Kapiti by Verna Aardeme
Bean and Plant by Christine Back
A Tree Is A Plant by Clyde Robert Bulla
Linnea's Garden by Christina Bjork & Lena Anderson
The Tiny Seed by Eric Carie
Some Plants Have Funny Names by Diana Harding Cross
James and the Giany Peach by Roald Dahl
Book of Greek Myths by Edgar Parin d'Aulaire
The Popcorn Book by Tommi de Paola
Ladder to the Sky by B.J. Esbensen
The Star Maiden by (author unknown)
Iktomi and the Berries by Paul Goble
The Reason For A Flower by Ruth Heller
Wow A Seed Grows by Helene J. Jordan
Leo the Late Bloomer by Robert Krauss
The Carrot Seed by Ruth Krauss
First Look At Flowers by Millicent E. Selsam & Joyce Hunt
First Look At the World of Plants by (author unknown)
The Giving Tree by Shel Silverstein
A Tree Is Nice by Janice May Udry
The 10th Good Thing About Barney by Judith Viorst
Charlotte's Web by E. B. White
The Plant Sitter by Gene Zion
The Story of Johnny Apple Seed by Aliki
A Weed Is A Flower by (author unknown)
Johnny Apple Seed by Jan Gleiter & Kathleen Thompson
A Pocketful Of Goobers by Barbara Mitchell
Here A Plant, There A Plant, Everywhere A Plant, Plant! by Robert Quackenbush
George Washington Carver by Peter Towne

SCIENCE LITERATURE LIST
GRADE 3

Simple Chemistry by Neil Ardley
The Alchemists Magic Into Science by Thomas Aylesworth
It's Raining Cats and Dogs by Franklyn M. Branley
Rain and Hail by Franklyn M. Branley
Snow Is Falling by Franklyn M. Branley
Fascinating Experiments in Chemistry by Francois Cherrier
More Science Experiments You Can Eat by Vicki Cobb
McBroom the Rainmaker by Sid Fleischman
The Chemist Who Lost His Head by Vivian Grey
Adventures With Atoms & Molecules by R.C. Mebane & T.R. Rybolt
The Cemistry of a Lemon by Harris A.Stone
The Chemistry of Soap by Harris A. Stone
Bubbles by Bernie Zubrowski
Messing Around With Baking Chemistry by Bernie Zubrowski
Animals Live Here by Murial Batherman
A Place To Live by Jeanne Bendick
City Lots - Living Things In Vacant Spots by Phyllis Busch
Look At A Tree by Eileen Curran
Ant Cities by Authur Dorros
A Crack In the Pavement by Ruth Rea Howell
Oak and Company by Richard Mabey
The World Beneath Your Feet by Judith Rinard
Cracks & Crannies by Wilda Ross
Animals In Your Neighborhood by Seymour Simon
The Dead Tree by Alvin Tesselt
Secret Neighbors – Wildlife In A City Lot by Mary Adrian
The Fall of Freddie the Leaf by Leo Buscaglia
All Upon A Sidewalk by Jean C. George
The Biggest House in the World by Leo Lionni
Country Mouse and City Mouse by Patricia & Frederick McKissack
The Lady and the Spider by Faith McNulty
Fly Homer Fly by Bill Peet
Once There Was a Tree by Natalia Ropmanova
My Block by Richard Rosenblum
We Were Tired of Living In A House by Liesel M. Skorpen
Two Bad Ants by Chris Van Allsbrg
A Cricket In the Grass by Philip Van Soelen

SCIENCE LITERATURE LIST
GRADE 4

Everybody Needs A Rock by Byrd Baylor
Discovering Electricy by Neil Ardley
The Young Scientist Book of Electricity by Philip Chapman
More Power to You! By Vicki Cobb
What Makes Light Go On? By Scott Corbett
Electricity In Your Life by Eugene David
Safe and Simple Electrical Experiments by Rupolph Graf
Electricity Turns the World On by Tom Johnston
The Electricity Story: 2500 Years of Experiments and Discoveries by George de Lucer Leon
Wires & Watts: Understanding & Using Electricity by Irwin Math
More Wires & Watts: Understanding & Using Electricity by Irwin Math
The How & Why Wonder Book of Electricity by Jerome Notkin & Gulkin Sidney
Easy To Make Electric Gadgets by Leon Stanley
Electricity & Magnetism by Gregory Vogt
Generating Electricity by Gregory Vogt
Motors & Engines & How They Work by Haver Weiss
How Did We Find Out About Electricity? by Isaac Asimov
The Light Bulb by Sharon Cosner
Giants of Electricity by Percy Dunsheath
What's the Big Idea, Ben Franklin by Jean Fritz
The Story of Thomas Alva Edison by Enid LaMonte Meadowcroft
Benjamin Franklin by Cass R. Sandak
Earthquakes! By Jules Archer
Fossils Tell of Long Ago by Aliki
How Did We Find Out About Coal? By Issac Asimov
Rocks & Minerals by Rae Bains
Volcanoes & Earthquakes by Basil Booth
Rocks & Fossils by Martyn Bramwell
Caves by Keith Brandt
The Magic Schoolbus: Inside the Earth by Joanna Cole
Metals & Minerals by Jacqueline Dineen
Disaster! Volcanoes! By Dennis Brindell Fradin
Rock Collecting by Roma Gans
Suburban Geology by Richard Headstrom
The Big Rock by Bruce Hiscock
Susan Humphris, Geologist by Liza Ketchum Murrow

Volcano by Patricia Lauber
Rocks & Minerals by Berth Morris Parker
A First Look At Rocks by Joyce Hunt & Millicent E. Selsam
I Can Be A Geologist by Paul P. Sipiera
Crystal & Gem by R.R. Harding & R.F. Symes

SCIENCE LITERATURE LIST
GRADE 5

The Honeybee & the Robber by Eric Carle
Life of the Honeybee by Andreas & Heiderose Fischer-Nagel
Joyful Noise: Poems for 2 Voices by Paul Fleishman
From Flower to Flower by Patricia Lauber
Bugs by Parker, Nancy Winslow & Joan Richards
Corn Is Maize: The Gift of the Indians by Aliki
Bean & Plant by Christine Back & Barrie Watts
The Forest by David Bellamy
The Roadside by David Bellamy
Your First Garden Book by Marc Brown
Plant by David Burnie
Mysteries & Marvels of Plant Life by Barbara Cork
The Reason For A Flower by Ruth Heller
Plants & Flowers by Brian Holley
How the Forest Grew by William Jaspersohn
A Tree In the Moon & Other Legends of Plants & Trees by R. Kerven
In My Garden by Helen & Kelly Oechsli
Grow Lab by E. Pranis & J. Hale
An Apple Tree Through the Year by Claudia Schnieper
Looking At Plants by David Suzuki
Usborne First Nature Trees by Ruth Thompson
Exploring With Wisconsin Fast Plants by Paul & Coe Williams & R. Green
Science Fun With Peanuts & Popcorn by Rose Wyler
Action Science-Simple Chemisry by Neil Ardley
Science Experiments You Can Eat by Vicki Cobb
Chemically Active: Experiments You Can Do At Home by Vicki Cobb
The Chemistry of a Lemon by Harris A. Stone
Messing Around With Baking Chemistry by Bernie Zubrowski
Blood & Guts by Linda Allison
The Human Body by Ruth & Bertel Bruun, M.D.
Motions by Patricia Collins
The MacMillian Book of the Human Body by Mary Elting
Spare Parts For People by Margery & Howard Facklam
Joe Kaufman's Big Book About the Human Body by Joe Kaufman
The Young Scientist Book of the Human Body by Susan Meredith
Wonders of the Human Body by Anthony Ravielli
Why Does My Nose Run? by Joanne Settel & Nancy Baggett

Heartbeats: Your Body, Your Heart by Dr. Alvin Silverstein & B. Virgina
You & Your Food by Judy Tatchell & Dilys Wells
You & Your Fitness & Health by Judy Tatchell & Kate Fraser
Blood & Lungs by Gwynne Vevers
Food & Digestion by Brian Ward
Like It Is: Facts & Feelings About Handicaps From Kids Who Know by B. Adams
Winning by Robin Brancato
A Way of His Own by Thomas Dyer
Thinking Big: The Story of a Young Dwarf by Susan Kuklin
Lou Gehrig: Iron Man of Baseball by William & Celia Luce
Don't Feel Sorry For Paul by Bernard Wolf