

# Elementary Chemistry Agenda

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## Day 1: Properties of Matter

Activities	Time Frame	Grade Levels
Welcome and Sign In Ice Breaker: Density Tubes	30 min	ALL
Matter Engagement-Page Keeley	15 min	ALL
Oh Dear What Can this Matter Be?	30 min	Grade 5
Binder Walk Through <ul style="list-style-type: none"><li>▪ AIMS Information and Copyright</li><li>▪ Alignment Chart</li><li>▪ Table of Contents</li><li>▪ Grade Level Tabs</li></ul>	30 min	ALL
<i>BREAK</i>	10 min	
Bag of Beads	15 min	Grade K
Going Nuts	30 min	Grade K
All Sorts of Stuff	20 min	Grade 1
Plan a Pot (discussion and connections)	5 min	Grade 1
<i>LUNCH</i>	45 min	
Some Like it Salty	30 min	Grade 5
Mystery Matter	60 min	Grade 3
<i>BREAK</i>	10 min	
Cups'n'Stuff	45 min	Grade 4
A Matter of States/Evaluating Models	45 min	Grade 5
<i>CLOSURE</i>		

## Day 2: Matter and Energy

Activities	Time Frame	Grade Levels
Welcome and Sign In <ul style="list-style-type: none"> <li>▪ TRC Paper Work</li> <li>▪ Energy Engagement- Page Keeley</li> </ul>	15 min	ALL
Beat the Drum	45 min	Grade K
Eggs Full of Sound	20 min	Grade 1
Amplicups	30 min	Grade 2
<i>BREAK</i>	10 min	
Melting Pots	20 min	Grade 2
Hanging Out to Dry	20 min	Grade 4
<i>LUNCH</i>	45 min	
Cold Tin, Hot Hands	30 min	Grade 2
Hot Chocolate	45 min	Grade 5
<i>BREAK</i>	10 min	
Cool Conductors	30 min	Grade 5
Stop Faking It! Chemistry Basics by William C. Robertson		
Elementary Chemistry Resources List		
Literature Connections		
Review of Page Keeley Formative Assessments		
<i>CLOSURE</i>		

# Elementary Chemistry

## *Table of Contents*

<b>Grade Level</b>	<b>Activity Title</b>	<b>Origin</b>
K	Bags of Beads	Sense-able Science
K	Going Nuts	Grade 1 Texas Science
K	The Beat of the Drum	Grade 1 Texas Science
1	All Sorts of Stuff	Grade 1 Texas Science
1	Plan a Pot	Grade 1 Texas Science
1	Eggs Full of Sound	Grade 1 Texas Science
2	Melting Pots	Grade 2 Texas Physical Science
2	Cold Tin, Hot Hands	Grade 2 Texas Nature of Science
2	Amplicups	Grade 2 Texas Physical Science
3	Mystery Matter	Grade 3 Texas Physical Science
3	Gas Stations	Grade 3 Texas Physical Science
3	A Sorting Challenge	Grade 3 Texas Physical Science
4	Cups'n' Stuff	Grade 4 Texas Physical Science
4	Hanging Out to Dry	Grade 4 Texas Physical Science
4	Bubble Busters	Grade 4 Texas Nature of Science
5	Oh Dear What Can this Matter Be?	Grade 5 Texas Physical Science
5	Hot Chocolate	Grade 5 Texas Physical Science
5	Cool Conductors	Grade 5 Texas Physical Science
5	Some Like it Salty	Grade 5 Texas Physical Science

## **Literature Connections:**

### ***Matter-Classification- Patterns***

*Touch It* by Adrienne Mason (K-2)

*Change It* by Adrienne Mason (K-2)

*What's the Matter in Mr. Whisker's Room* by Michael Elson Ross (K-3)

*The Important Book* by Margaret Wise Brown (K-1)

*Magic School Bus gets Baked in a Cake* by Joanna Cole (K-3)

*Magic School Bus Kicks up a Storm* by Nancy White (K-4)

*Pattern Fish* by Trudy Harris (PK-1)

*Pattern Bugs* by Trudy Harris (PK-1)

*Freight Train* by Donald Crews (PK-1)

*Hot Air: The (Mostly) True Story of the First Hot-Air Balloon Ride* by Marjorie Priceman (1-4)

*The Amazing Air Balloon* by Jean Van Leeuwen (1-4)

*Harvey Potter's Balloon Farm* by Jerdine Nolan (1-5)

*Marie Curie* by Lisa Wade McCormic (1-5)

*Bartholomew and the Oobleck* by Dr. Seuss (3-5)

*The Button Box* by Margarette S. Reid and Sarah Chamberlain (PK-2)

*Heckedy Peg* by Audrey Wood and Don Wood (PK-5)

### **Water and the Water Cycle**

*The Snowflake: A Water Cycle Story* by Niel Waldman (1-5)

*Water Dance* by Thomas Locker (1-6)

*Water Up, Down and All Around* by Natalie M. Rosinsky (K-3)

*A Drop of Water* by Walter Wick (3-6)

*The Magic School Bus Wet all Over* by Pat Relf (K-3)

*A Drop Around the World* by Barbara McKinney (K-6)

*Snowflake Bentley* by Jacqueline Briggs Martin (K-5)

*Snowflakes in Photographs* by W.A. Bentley (K-5)

*Did Dinosaurs Drink this Water?* by Robert E. Wells (K-5)

## **Measurement**

*How Big is a Foot* by Rolf Myller (2-5)

*Inch by Inch* by Leo Lionni (K-2)

*Measuring Penny* by Loreen Leedy (2-4)

*Jim and the Beanstalk* by Raymond Briggs (2-5)

*Twelve Snails to One Lizard: A Tale of Mischief and Measurement* by Susan Hightower (2-4)

*Who Sank the Boat* by Pamela Allen (2-5)

*A Pig is Big* by Douglas Florian (PK-2)

*Mr. Archimede's Bath* by Pamela Allen (4-5)

*The Crow and the Pitcher* by Eric Blair and Diane Silverman (K-5)

## **Energy**

*The Little Old Lady Who Was Not Afraid of Anything* by Linda Williams and Megan Lloyd ( )