

# ACTS GRADES 3&4 SCIENCE SCHEDULE

## MATTER/KITCHEN CHEMISTRY UNIT

### READING MATERIAL:

#### Understanding God's World, handouts, websites

- 1/24 MATTER--Today's class will be an introduction to matter.  
**Prior to class:**  
Read: Understanding God's World, (grade 4 ABeka) p105-110, 116-117  
Read: Handout "what is matter" & answer the questions on the same handout  
Complete: Comprehension check 5.2, 5.3  
**Website suggestions:**  
<https://www.youtube.com/watch?v=wclY8F-UoTE>  
3 states of matter, freeschool (excellent)  
[www.brainpop.com](http://www.brainpop.com) topics of 1)atoms 2)atomic model 3)Water  
Username is: [risthailand](#) password is: [bangkok](#)  
Classtime: 'Something to do' (weight of air, air pressure) What is matter? Changes in matter
- 1/31 acid/ base reactions  
**Prior to class:**  
Read: handout titled "Acids and Bases"  
Complete: questions from the handout on acids and bases  
**Website Suggestion:**  
[www.brainpop.com](http://www.brainpop.com) topics: 1)acids and bases 2) pH  
<https://youtu.be/sP2KF1HWXZQ> acid and base rainbows  
[http://www.chem4kids.com/files/react\\_acidbase.html](http://www.chem4kids.com/files/react_acidbase.html)  
scroll down and check out the video titled "Ocean Acidification in the Arctic"  
Classtime: Acid/ Base Reaction experiments & checking the pH of acidic and basic items
- 2/7 chemical changes  
**Prior to class:**  
Read: handout on chemical changes  
Complete: Chemical or physical change sheet (bunnies at the top)  
Website suggestion: <https://www.youtube.com/watch?v=M8tyiwB42X4>  
Very simple video comparing chemical and physical changes  
Classtime: experiments showing chemical changes
- 2/14 physical changes  
**Prior to class:**  
Read the handout on physical changes  
Complete States of Matter test  
Website suggestion:  
<https://www.youtube.com/watch?v=ANOtVBazDU>  
Physical and chemical change examples  
Classtime: experiments showing physical changes