



# Curriculum Night 2013

Cherokee School ~ Fourth Grade

# Fourth Grade



# Common Core State Standards

## The Big Ideas

- Designed to prepare students for careers and college
- Backwards design from 12th grade to Kindergarten
- Adopted by 48 states
- Will be assessed in 2014 through the PARCC Assessment (Partnership for Assessment of Readiness for College and Career)



# Reading



## Common Core Reading Standards

- Reading Literature/Informational Text
  - Key Ideas and Details
  - Craft and Structure
  - Integration of Knowledge and Ideas
  - Range of Reading and Level of Text Complexity
- Revisit standards every three months
- Independent Reading & Reading Responses in Edmodo



# Writing

## Common Core Writing Standards

- Writing Standards
  - Narrative
  - Expository
  - Argumentative/Opinion ~ Claim and Evidence
- Language Standards (grammar)
- Resources - Being a Writer



# Common Core Mathematical Practices

## Mathematical Thinking

- Make sense of problems and persevere in solving them
- Attend to precision

## Reasoning and Explaining

- Reason abstractly and quantitatively
- Construct viable arguments and critique the reasoning of others

## Modeling Using Tools

- Model with mathematics
- Use appropriate tools strategically

## Seeing Structure and Generalizing

- Look for and make use of structure
- Look for and express regularity in repeated reasoning



# Math



- Common Core Strands
  - Operations and Algebraic Thinking
  - Number and Operations in Base Ten
  - Number and Operations~Fractions
  - Measurement and Data
  - Geometry
  - Mathematical Practices
- Resources ~ Bridges in Mathematics, Number Corner

# Math Facts

“Students who attain fluency with basic math facts have far fewer obstacles to building higher-order mathematical skills. Cognitive research indicates that math problem solving occurs in the working memory, which is able to process only a few calculations at a time. A student who cannot fluently grasp the first steps of a multi-step problem may not be able to solve the problem simply because he or she isn’t able to hold the required number of calculations in their working memory. We want students to know math facts much like they recognize sight words in reading ~ automatically, without thinking about them.” ~The Math Learning Center





# Social Studies

## Geography

- Using the Five Themes of Geography

## Government

- Three Branches of Government

## Regions of the United States

- See the USA

## World Geography

- Caravans 2.0



# ECHO

- Everyone Can Help Others
- Fourth grade service learning
- Completely student developed and led from beginning to end with guidance



# SCIENCE

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## Trimester 1 - Electricity and Magnetism

- Explore the properties of magnets and magnetic fields
- Construct and understand simple and complex circuits

## Trimester 2 - Earth's Systems: Investigating Land and Water

- Create stream tables to explore the effects of water on land
- Explore how water changes and has changed the land

## Trimester 3 - Introduction to Ecosystems

- Learn about organism communities
- Focus on the interdependencies of land, water, and organisms
- Explore human impact on ecosystems

# General Information

- Fourth Grade Team Website
  - <http://chgrade4.weebly.com/>
- Friday Folders
- District Wide Assessments
  - NWEA
  - CBM
  - ISAT
- Homework
- Room Mothers

# Curriculum Night Folder

- Web 2.0 Information and Guidelines  
(student waiver for use ~ sign and return)
- Math Facts - letter and student's baseline assessments
- Common Core Overview for Fourth Grade
- Bridges
- Spirit of 67 Information
- Emotional Wellness handout
- Further Questions Form

# Thank you for coming!

If you have any questions about tonight's presentation, please feel free to write them on the paper provided in your folder.

