

ACTIVITY SHEET REFERENCES

“AGRICULTURAL MECHANICS MASTER”

Related “My American Farm” Game: “Equipment Engineer” available at www.myamericanfarm.org

Grade Levels: Third-Fifth

Content Areas:

NS.K-4.2 Physical Science

NS.K-4.5 Science and Technology

NS.5-8.2 Physical Science

NS.5-8.5 Science and Technology

Information Adapted From:

The New York Times Company. Physics in the real world; simple machines. Retrieved from <http://www.physics.about.com>

“ANIMAL AGRICULTURE – A NUTRITIOUS CHOICE”

Related “My American Farm” Game: “Finders Keepers” available at www.myamericanfarm.org

Grade Levels: Third- Fifth

Content Areas: Health, Math

Standards:

Mathematics grade 4, concept 2 (developing an understanding of addition and subtraction of fractions with like denominators, multiplication of fractions by whole numbers, and division of whole numbers with fractional answers).

Common Core State Standards (Draft)

NPH-H.K-4.3 Reducing Health Risks

NPH-H.5-8.6 Setting Goals for Good Health

National Health Education Standards, American Cancer Society

Information adapted from:

Gebhardt, S.E., & Thomas, R.G. (2002). nutritive value of foods. Home and Garden Bulletin, 72. Retrieved from http://www.nal.usda.gov/fnic/foodcomp/Data/HG72/hg72_2002.pdf

“BE THE FARMER! MATH IN ACTION!”

Related “My American Farm” Game: “That’s Life” available at www.myamericanfarm.org

Grade Levels: Third- Fifth

Content Areas: Math, Science

Standards:

Mathematics Grade 4, Measurement and Data, Perimeter and Area (2-4).

Mathematics Grade 5, Division of Multi-Digit Whole Numbers (2).

Common Core State Standards (Draft)

NS.K-4.3 Life Science

National Science Education Standards, National Academies of Science

Information adapted from:

Elmore, R, & Abendroth, L. (2006, November 09). What is the best Seeding rate for corn based on seed prices and yield level? Iowa State University, Retrieved from <http://www.ipm.iastate.edu/ipm/icm/2006/4-10/seedrate.html>

Daugherty, E. (2007, June 29). U.S. farmers plant largest corn crop in 63 years. Retrieved from http://www.nass.usda.gov/Newsroom/2007/06_29_2007.asp

“BIOGRAPHY INVESTIGATION”

Related “My American Farm” Game: “Keys to Stewardship”





available at www.myamericanfarm.org

Grade Levels: Third- Fifth

Content Areas: English Language Arts, Science

Standards:

College and Career Readiness Standards for Reading
Grade 5(1) Quote from text to support statements about the text (7) Synthesize and apply information presented in diverse ways in print and digital sources in order to answer questions, solve problems, or compare modes of presentation.

Common Core State Standards (Draft)

NS.K-4.6, NS.5-8.6 Personal and Social Perspectives

National Science Education Standards, National Academies of Science

“COMMODITY CROSSWORD”

Related “My American Farm” Game: “Where in the World” available at www.myamericanfarm.org

Grade Levels: Third- Fifth

Content Areas: English Language Arts, Social Science

Standards:

College and Career Readiness Standards for Language K-5 (4) Determine the meaning of words and phrases encountered through conversations, reading, and media use. (6) Use grade-appropriate general academic vocabulary and domain-specific words and phrases purposefully acquired as well as gained through conversation and reading and responding to texts.

Common Core State Standards (Draft)

NSS-G.K-12.3 Physical Systems

NSS-G.K-12.4 Human Systems

National Social Studies and History Standards, The National Council for the Social Studies

“FARMERS MARKET MATH QUEST”

Related “My American Farm” Game:

“Farmers Market Challenge” available at www.myamericanfarm.org

Grade Levels: Third- Fifth

Content Areas: Math

Standards:

Mathematics Grade 4 concept 1(whole number multiplication and multi-digit whole number division)

Common Core State Standards (Draft)

“GPS MAZE”

Related “My American Farm” Game: “Ag Spin N Win” available at www.myamericanfarm.org

Grade Levels: Third- Fifth

Content Areas: English Language Arts, Science

Standards:

Mathematics Grade 5, concept 3 (developing understanding of and fluency with division of multi-digit whole numbers).

Common Core State Standards (Draft)

NS.K-4.5, NS.5-8.5 Science and Technology

National Science Education Standards, National Academies of Science

“HARVESTING IMAGE MATCH”

Related “My American Farm” Game: “Harvest This” available at www.myamericanfarm.org

Grade Levels: Third- Fifth

Content Areas: Math, Science

Standards:

Mathematics Grade 4 concept 3 (Developing an understanding of area).

Common Core State Standards (Draft)

NS.K-4.3 Life Science





“PERSUASIVE SCENARIO EVALUATION”

Related “My American Farm” Game: “Wild Water Adventure” available at www.myamericanfarm.org

Grade Levels: Third- Fifth

Content Areas: English Language Arts, Science

Standards:

College and Career Readiness Standards for Writing
K-5 (1) Write arguments to support a substantive claim with clear reasons and relevant and sufficient evidence.
(1.a)

Common Core State Standards (Draft)

NS.K-4.6 Personal and Social Perspectives

National Science Education Standards, National Academies of Science

“PRODUCTION FILL IN”

Related “My American Farm” Game: “Amazing Grains” available at www.myamericanfarm.org

Grade Levels: Third- Fifth

Content Areas: English Language Arts, Science

Standards:

College and Career Readiness Standards for Language
K-5 (4) Determine the meaning of words and phrases encountered through conversations, reading, and media use. (6) Use grade-appropriate general academic vocabulary and domain-specific words and phrases purposefully acquired as well as gained through conversation and reading and responding to texts.

Common Core State Standards (Draft)

NS.K-4.3, NS.5-8.3 Life Science

NS.K-4.5, NS.5-8.5 Science and Technology

National Science Education Standards, National Academies of Science

Information adapted from: Source: Fast facts, American Farm Bureau. Retrieved from <http://www.fb.org/index.php?fuseaction=newsroom.fastfacts>

“SWEET POLLINATION”

Related “My American Farm” Game: “Let’s Make Something Tasty” available at www.myamericanfarm.org

Grade Levels: Third- Fifth

Content Areas: Health, Science

Standards:

NPH-H.K-4.3 Reducing Health Risks

NPH-H.5-8.6 Setting Goals for Good Health

National Health Education Standards, American Cancer Society

NS.K-4.3 Life Science

National Science Education Standards, National Academies of Science

“CAR TRIP AG BINGO”

Related My American Farm Game: “Ag Across America” available at www.myamericanfarm.org

Grade Levels: Third – Fifth

Content Area: Social Science

Standards: NSS-G.K-12.1 The World in Spatial Terms

NSS-G.K-12.3 Physical Systems

NSS-G.K-12.5 Environment and Society

National Social Studies and History Standards, The National Council for the Social Studies

