

# NEW YORK AGRICULTURE IN THE CLASSROOM

Grade 1

by  
*Elizabeth A. Wolanyk*

**DEDICATION:** This book is dedicated to Dan Moskwa (Associate, Bureau of Agriculture, Trade and Technical, New York State Education Department, retired). It was at Dan's urging that the author became involved in Agriculture in the Classroom. Dan's constant support (personally and professionally) has helped keep the author enthused, focused, and growing.

**Many thanks to the following for their contributions:**

The Rice Council of America                      Carolyn Klass                      Anstiss Vorm  
and the steadfast, hard work of Janet Yocum and Marjie Leeseberg

**Typing:** Janet Yocum

**Artwork:** Ellen Alexander  
Mary Brenner  
Alison DeMarree  
John Wilkins

**Editing:** Diane Held Phillips

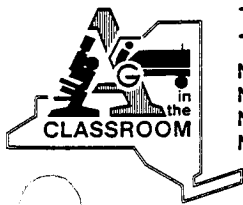
## **PROJECT DIRECTORS:**

Daryle E. Foster, Ph.D.  
Director  
Instructional Materials Service  
Department of Education  
Cornell University  
Ithaca, New York 14853

Bill Umscheid  
Program Coordinator  
4-H Youth Development  
Cornell Cooperative Extension  
Cornell University  
Ithaca, New York 14853



The program is administered by Cornell Cooperative Extension through the College of Agriculture and Life Sciences, Department of Education, and the 4-H Youth Development program. Copyright Cornell University, 1991. All rights reserved.



# New York Agriculture in the Classroom

New York Farm Bureau, Inc.  
New York State College of Agriculture and Life Sciences  
New York State Department of Agriculture and Markets  
New York State Education Department

Cornell University  
Department of Education  
111 Kennedy Hall  
Ithaca, New York 14853-4203  
(607) 255-8122

October, 1991

Dear Educator:

These materials have been designed to maximize teacher time, address the concepts in the syllabus for each subject area and create an awareness of our food and fiber system. A conscious effort has been made to develop materials that are active in nature. The old adage: "Tell me, I'll forget; show me, I may remember; but, involve me, and I'll understand" has been our philosophy in developing these materials.

As you no doubt have already noticed, the materials are color-coded. All teacher materials and answer keys are color-coded as follows:

pink ..... Language Arts  
yellow ..... Mathematics  
green ..... Science  
blue ..... Social Studies

Student materials are white to eliminate problems in copying.

In the top, right-hand corner of each page is the major concept covered by that activity. Other concepts are indicated on the Teacher Material pages. The Language Arts materials also indicate which syllabus (of the five) was used. At the time this work was done, some of the syllabi were under revision. If this was the case, either the old syllabus or the draft of the new one was used. Adjustments will have to be made after the revised syllabus is made available.

It is crucial for you to understand that these materials are not intended to add to the curriculum. They simply offer a way to meet the concepts in the syllabus.

Thank you. Good luck with your efforts. I hope that you find these materials useful and enjoyable.

Sincerely,

Elizabeth A. Wolanyk  
Extension Associate

## PILOT TEACHERS

New York agriculture in the Classroom would like to recognize and thank the following teachers for piloting these materials:

Jan Beales  
Upson Elem. School  
Lockport

Kathleen Brooks  
Anna Merritt School  
Lockport

Anita Cosenza  
Allegheny Ave. School  
Lindenhurst

Mary Jane Decker  
F.J. Carasiti Elem.School  
Rocky Point

Juliana Goelz  
G. M. Southard School  
Lockport

Helene Greene  
Mulvey Elem. School  
Central Islip

Elizabeth Held  
Washington Hunt School  
Lockport

Diane G. Kalman  
Andrew T. Morrow School  
Central Islip

Mary Kay  
J.S. Hobart Elem. School  
Shirley

Marilyn Kennedy  
G. M. Southard School  
Lockport

Noreen McCormack  
G. M. Southard School  
Lockport

Jean M. Meyer  
Andrew T. Morrow School  
Central Islip

Ann Morris (student teacher)  
Upson Elem. School  
Lockport

Nancy O'Brien  
G. Southard School  
Lockport

Laurie M. Panek  
Charlotte Cross School  
Lockport

Linda Platt  
G. M. Southard School  
Lockport

Becky Ross  
Franklinville Elem. School  
Franklinville

Susan Stang  
St. Joseph's Catholic  
School  
Gowanda

Linda Taylor  
Roy B. Kelley School  
Lockport

Carol Vasso  
J.S. Hobart Elem. School  
Shirley

JoAnne Walsh  
J.S. Hobart Elem. School  
Shirley

Marybeth S. Wilson  
John Pound School  
Lockport

Nancy Wood  
Franklinville Elem. School  
Franklinville

# NEW YORK AGRICULTURE IN THE CLASSROOM

## ADVISORY COMMITTEE

**Clark Affolter**, Supervisor  
Eastern A. I. Cooperative  
351 Hayts Road  
Ithaca, NY 14850  
(607)272-8250

\* **Martha Borgeson**  
Asst. Commissioner for  
Mktg. & Promotion  
Dept. of Agr. & Markets  
One Winners Circle  
Albany, NY 12235  
(518)457-0127

**Michael J. Bragman**  
Assemblyman  
Legislative Office Building  
Room 828  
Albany, NY 12248  
(518)455-4567

**Kathy Colverson**, Assistant Professor  
Animal Science Department  
SUNY Morrisville  
Morrisville, NY 13408  
(315)684-6301

**Gene A. Freid**  
Director of Training  
Agway Inc., Training Center  
9 Adler Drive  
E. Syracuse, NY 13057  
(315)449-6592

\*\*\* Chairperson

\*\* Vice-Chairperson

\* Secretary

**Dr. William Drake**, Professor  
Agri & Occupational Education  
416 Kennedy Hall, Cornell University  
Ithaca, NY 14853-5901  
(607)255-2197

**Chris Kimball-Peterson**  
Empire State Potato Club  
P.O. Box 2615  
Binghamton, NY 13902-2615  
(607)722-9588

\*\* **Allison Cowen**  
Farm Bureau Representative  
699 Coddington Road  
Ithaca, NY 14850  
(607)272-4791

**Carolyn Graham**, Associate  
Bureau of Science Education  
NYS Dept. of Education  
302 Education Building  
Washington Avenue  
Albany, NY 12234  
(518)474-7746

\*\*\***Bert Spaeth**, Ag Engineer  
NYSEG  
74 Wright Avenue  
Auburn, NY 13021  
(315)253-2701

**Patricia Schrader**  
Cornell Cooperative Extension - Erie County  
21 South Grove Street  
East Aurora, NY 14052  
(716)668-3979

**Daniel Moskwa**  
1650 Van Antwerp Road  
Schenectady, NY 12309  
(518) 372-0453

**Samuel H. Shapiro**  
Coordinator of Agriculture  
New York City Public Schools  
Bureau of Technology/Agri.  
321 E. 96 Street  
New York, NY 10128  
(212)427-9463

**Michael Joseph**  
Dir., Rural Schools Program  
114 Kennedy Hall  
Cornell University  
Ithaca, NY 14853  
(607)255-8056

**Edwin Slusarczyk**  
President & General Manager  
AG RADIO NETWORK, INC  
Utica, NY 13503.  
(315)724-3144

**Mary Jean Wylie**  
Assistant Professor  
Dept. of Animal Science  
Cornell University  
123 Morrison Hall  
Ithaca, NY 14853  
(607)255-4706

**EX-OFFICIO MEMBERS:**

---

**Mary Lou Brewer**

Asst. Director, Coop. Extension  
Roberts Hall  
Cornell University  
Ithaca, NY 14853  
(607)255-2231

**Dr. Richard E. Ripple, Chair**

Department of Education  
435 Kennedy Hall  
Cornell University  
Ithaca, NY 14853  
(607)255-9260

**Dr. Daryle E. Foster**

Director, I.M.S.  
Cornell University  
420 Kennedy Hall  
Ithaca, NY 14853  
(607)255-9253

**Elizabeth A. Wolanyk**

Curriculum Specialist  
Extension Associate  
Cornell University  
111 Kennedy Hall  
Ithaca, NY 14853  
(607)255-8122

**Dr. George Conneman**

Director of Academic Programs  
140 Roberts Hall  
Cornell University  
Ithaca, NY 14853  
(607)255-3081

**Dr.S.C. "Bill" Umscheid**

Program Coordinator  
4-H Youth Development  
354 Roberts Hall  
Cornell University  
Ithaca, NY 14853  
(607)255-2231

# TABLE OF CONTENTS

	<u>Pages</u>	<u>Booklet Pages</u>
<b>Language Arts</b>		
<b>Pumpkin Patch</b> (grammar and vocabulary) .....	<b>1-8</b>	<b>3-5</b>
<i>Pumpkin Information</i> .....	3-4	
<i>Pumpkin Puzzle Game</i> .....	7	
<i>Have you ever really looked at a pumpkin?</i> .....	8	
<b>Butterflies</b> (Reading - for comprehension) .....	<b>9-14</b>	
<i>A Butterfly</i> .....	13-14	
<i>Which is Which?</i> .....	15	
<b>The New MacDonald's Farm</b> (Reading - vocabulary) ...	<b>16-18</b>	
<b>Rice</b> (Reading - for comprehension) .....	<b>19-27</b>	
<b>Poultry</b> (Reading - vocabulary) .....	<b>28-30</b>	<b>29-34</b>
<b>Mathematics</b>		
<b>Animals and Offspring</b> (counting) .....	<b>31-33</b>	<b>30-31</b>
<b>Egg Math</b> (counting, number concepts, addition) .....	<b>34-39</b>	<b>29, 32-33</b>
<i>Chicks and Eggs</i> .....	36	
<i>By the Dozen</i> .....	37	
<i>Tens and Ones</i> .....	38	
<i>Egg Addition</i> .....	39	
<b>Apples</b> (number concepts) .....	<b>40-44</b>	
<i>Apple Trees</i> .....	42	
<i>Apples</i> .....	43	
<i>New or Old Apple Trees</i> .....	44	
<b>Time</b> (comparison of time) .....	<b>45-49</b>	
<i>Word Problems</i> .....	47	
<i>A Cherry Tree and Me</i> .....	48	
<i>Timeline</i> .....	49	

	<u>Pages</u>	<u>Booklet Pages</u>
<b>Evergreen Tree (measurement)</b> .....	<b>50-56</b>	

## Science

<b>Egg People (Life Science - 1A - 1.3, 1.4)</b> .....	<b>57-64</b>	<b>29-34</b>
<b>Insect Anatomy (Life Science - 1A - 2.1, 2.4, 2.6, 2.7) ...</b>	<b>65-71</b>	
<b>Life Cycle-Butterfly (Life Science - 1A - 2.41, 2.1) .....</b>	<b>72-75</b>	
<b>Pumpkins (Life Science - 1A - 1.3, 1.4, 2.5) .....</b>	<b>76-101</b>	<b>3-8</b>
<i>Jack-O-Lantern and Halloween Information</i> .....	78-80	
<i>Papier Mache Pumpkins</i> .....	81-84	
<i>Paper Bag Pumpkins</i> .....	85-86	
<i>Pumpkin Pencils</i> .....	87-92	
<i>Pumpkin Seeds</i> .....	93-94	
<i>Pumpkin Puppets</i> .....	95-98	
<i>Jack-O-Lantern Bag Puppets</i> .....	99-101	
<b>Poultry and Eggs (Life Science - 1A-2.4) .....</b>	<b>102-111</b>	<b>29-34</b>
<i>The Chicken Walk</i> .....	104	
<i>Eggs-periment #1- The Lacy Egg</i> .....	105	
<i>Eggs-periment #2- The Bouncing Egg</i> .....	107-108	
<i>Eggs-periment #3- The Floating Egg</i> .....	109	
<i>Eggs-periment #4- Is it Raw or Cooked?</i> .....	110-111	

## Social Studies

<b>Yesterday or Today? (change-historic content p. 68) ....</b>	<b>112-117</b>	
<b>Tomatoes and Potatoes</b> (technology-economic content pp. 56, 58) .....	<b>118-129</b>	<b>9-28</b>
<b>Potatoes and Potato Stamps</b> (technology-economic content pp. 56, 58) .....	<b>130-135</b>	<b>20-28</b>

	<u>Pages</u>	<u>Booklet Pages</u>
<b>Eggs (technology-economic content pp. 56, 58) .....</b>	<b>136-146</b>	<b>29-34</b>
<i>Information</i> .....	139	
<i>Eggs</i> .....	140	
<i>Birds and Their Eggs</i> .....	141-142	
<i>Eggs of Different Colors</i> .....	142-143	
<i>Egg Maze</i> .....	144	
<i>Made With Eggs</i> .....	145	
<i>Did You Know?</i> .....	146	
 <b>Animal Products</b>		
(technology-economic content pp. 56, 58) .....	<b>147</b>	<b>29-34</b>