

YORK COLLEGE OF PENNSYLVANIA

CURRICULUM AND LESSON PLANS

The York County History Center has engaged in a partnership with York College of Pennsylvania (YCP) and the education majors enrolled in the course, Seminar in Curriculum. The students are tasked with creating grade-specific curriculum and lesson plans related to the general history of York County, and incorporating the museums, historic sites, and collections of the History Center into their activities and plans. The History Center is grateful for the commitment of York College of Pennsylvania and the dedicated students who have given their time and talent to enhance the educational resources and offerings of the York County History Center.

To request a digital copy of a specific lesson plan, please contact the History Center Education Department at education@yorkhistorycenter.org, or by phone at 717-848-1587, extension 303.

CIVICS & CITIZENSHIP

LIVES OF NATIVE AMERICANS (Grade 2)

Written by: JESSICA VEHAR

The customs, traditions, and lives of Native Americans are compared and contrasted with the lives of settlers coming from European ancestry. Clothing, homes, jobs, and family life are among the topics discussed in this unit. A visit to the Historical Society Museum, focusing on its' exhibit on Susquehannock Indians, and/or the Colonial Complex would enhance the lessons taught in this unit.

CITIZENSHIP (Grade 3)

Written by: BRITTANY SHAFER

This unit explores the fundamentals of American citizenship, including freedoms and rights, government branches, and laws. Lessons simplify the basics of citizenship into classroom scenarios students can relate to in their everyday lives. A visit to the Colonial Complex, with a particular focus on the Colonial Courthouse and the Continental Congress, would greatly benefit these lessons.

WILLIAM PENN (Grade 3)

Written by: SANDY CASHMAN

Students learn about the creation of the Pennsylvania colony while exploring the life of William Penn. Activities include: creating a characteristic poster, creating a newspaper advertisement, letter writing, and drawing a comic strip. This lesson could be supplemented with our Pennsylvania Frontier Tour, as well as special activities with the "Printing" exhibit at the Agricultural & Industrial Museum.

GERMAN INFLUENCE IN 18TH CENTURY PENNSYLVANIA (Grade 3)

Written by: JEN BOYCE

This lesson reveals the impact German immigrants of the 1700s left on the communities they settled in York and Lancaster Counties. The reasons the immigrants had for leaving Europe, their decision to settle in Pennsylvania, and the specific cultural legacies they have left on the region are explained and explored. This lesson can incorporate a visit to the Colonial Complex's Golden Plough Tavern, which was built by German immigrant Martin Eichelberger in the 1740s.

THE HISTORY OF THE AMERICAN FLAG (Grades 3-5)

Written by: EMILY TYSZKO

This lesson teaches students about the history of the United States by exploring the evolution of the American flag over time. The symbolism of the American flag is also addressed. Activities include: finding meaning in symbols, creating symbols, timelines, persuasive letter writing, creating a "Class Values" contract, and planning a "Flag Day" celebration. This lesson could be planned in conjunction with a visit to the Colonial Courthouse to see early American flags, and the "You Say You Want a Revolution" tour.

COLONIAL DAILY LIFE & FAMILY ROLES (Grade 5)

Written by: JILL CRAWFORD

A lesson that explores daily and family life in the colonial era while also making connections to students' lives today. Activities include: journaling, reader's theatre, creative writing, creating a brochure, and creating a simple machine. This could serve as a pre-visit lesson in preparation for a visit to the Colonial Complex and/or the Agricultural & Industrial Museum, or our Pennsylvania Frontier Tour.

NATIVE AMERICANS (Grade 5)

Written by: MARIA FELICIANO

This unit explores the world of the Native Americans living in Pennsylvania. Topics such as gender roles, storytelling, homes and family roles, and Native American interactions with Europeans are discussed in the lessons. Visiting the Historical Society Museum's Native American exhibit and/or the Colonial Complex would enhance the information presented.

WOMEN'S CHANGING ROLE IN SOCIETY (Grade 6)

Written by: JESSICA MUMMERT

Students will track the evolution of women's cultural roles through the 19th and 20th centuries. Activities include daily or weekly readings from specific books, and incorporating those readings into topics discussed in class. The lesson also includes a visit to the Bonham House, exploring the life of Elizabeth Bonham – one of York's most distinguished citizens.

THE RIGHTS OF AFRICAN-AMERICAN WOMEN (Grade 6)

Written by: **MICHAELA McDONALD**

This lesson takes a look at the particular journey faced by African-American women as they struggled for equality in the 19th and 20th centuries. A focus is also placed on women who played key roles in the fight for civil rights, and the legacy that those women have left for students today. A field trip to the Historical Society Museum or a walking tour of the York Murals could supplement these lessons.

18TH CENTURY AMERICAN POLITICAL LIFE (Grade 11)

Written by: **ETHAN CHRISMER**

This unit focuses on the evolution of 18th century American politics from their colonial origins to the creation of the Articles of Confederation and our current Constitution. Students will also explore how these changes affect our world in the 21st century. Visiting the History Center's Colonial Complex would assist in bringing these lessons to life.

COMMUNITY CONNECTIONS

NUTRITION (Kindergarten)

Written by: **MONICA GINGROW**

Students will develop an understanding of the importance of healthy eating, and how eating well contributes to overall good health. The unit introduces young learners to the food groups, how to create a balanced meal, how to make good food choices, as well as where healthy food comes from and the importance of locally grown food.

PERSONAL HYGIENE (Pre-Kindergarten- Grade 1)

Written by: **RACHELLE WELKER**

In this unit, students will recognize the importance of meeting their personal needs, such as hygiene, food, and water. Hygiene basics such as hand washing and brushing teeth are covered however, the unit takes this concept a step further and encourages young students to try and help others meet their needs too.

AGRICULTURE AND YOU (Grade 2)

Written by: **HANNAH POTTER**

This unit explores the definition of agriculture and its importance on each individual. Students will identify and discuss the workings and purpose of a general farm, as well as farming's impact on the community. Activities include creating a farm collage, identifying farm animals, a trip to the Agricultural & Industrial Museum to uncover differences between farming in the past and farming today, and an opportunity to personally "churn" their own butter.

IMPACT OF COMMUNICATION (Grade 4 & 5)

Written by: **MITCH KEMP**

Students will explore the many means of communication both past and present, and evaluate how communication is an integral part of their own lives. Activities include writing and mailing a properly addressed and stamped letter, and making a string phone.

STORYTELLING (Grades K-2)

Written by: **RACHEL THOMSON**

This unit uses storytelling to teach the history of York to a younger audience. It also teaches effective speaking and listening skills. Activities include: practicing listening and communicating with others, a visit to the Colonial Complex or a visit from a storyteller, and creating/presenting a story to share with classmates. This unit could be supplemented with a tour of the York Murals.

THE ROLE OF WORKERS IN A COMMUNITY (Grade 2)

Written by: **PAIGE LARSON**

Students apply skills learned in Social Studies, Reading, Writing, and Math to learn how workers affect their communities. Activities include writing newspaper articles explaining how students would help the City of York if they were elected Mayor. Visits to the Historical Society Museum and the Agricultural & Industrial Museum are also integrated into the lesson plans.

THE STREET OF SHOPS (Grade 2)

Written by: **KATELIN SCHRIVER**

This lesson encourages students to make comparisons between York in the past and York in the present, in order to learn about how and why changes occur in a community. It includes a trip to the Historical Society Museum with a focus on the "Street of Shops" exhibit. Students will learn about the York community and "interview" a worker from York history.

CITY LIFE VS. FARMING LIFE IN THE 19TH CENTURY (Grade 3)

Written by: **ASHLEY SIPE**

This unit asks students to compare and contrast city life and farm life in 19th century York County. In addition, it also compares and contrasts the lives of 19th century York County residents with residents of York County today. Visits to the exhibits at the Historical Society Museum, the Agricultural & Industrial Museum, or the Bonham House would add to these lessons.

FARMING: THE CENTER OF A COMMUNITY (Grade 3)

Written by: **JULIE GEARE**

Students examine the evolution of farming and the central role it continues to play in the lives of many citizens. Changes in farming technology, as well as changes in the cultural importance of farming, are explored in these lessons. Visiting the Agricultural & Industrial Museum, with a special focus on Bradley's Grist Mill, would be a great supplement to the unit.

AGRICULTURE IN PENNSYLVANIA (Grade 3)

Written by: SARAH MILLER

These lessons focus on the evolution of agriculture and farming practices in Pennsylvania, with a particular focus on how farming affects the lives of students today. Visiting the Agricultural & Industrial Museum, especially the Museum's Agriculture gallery and grist mill, would greatly enhance this unit.

CHILDREN'S LIVES IN THE EARLY 20TH CENTURY (Grade 3)

Written by: CHAE KLINE

The various aspects of children's lives, from school to work to home-life and even sickness, are the focus of these lessons, and comparisons are drawn between the lives of children of the past and the lives of children today. Visiting the Historical Society Museum, with a focus on the *A Place to Call Home* exhibit, would add additional understanding to this unit.

THE PROGRESSIVE CHANGES OF AUTOMOBILES IN YORK, PA (Grade 3)

Written by: ASHLYN GARLAND

This unit compares and contrasts the automobiles designed in the early 20th century with the cars driven on the road today. A special focus on York's Pullman auto manufacturer is found in the lessons as well. Visiting the Agricultural & Industrial Museum, with a focus on the Transportation gallery, would enhance this unit.

DAIRY FARMS (Grade 3)

Written by: NATASHA BERKHEIMER

These lessons discuss the dairy industry, and the lives and experience of the dairy farmers and their cattle. It makes a connection to York County by exploring Rutter's Dairy company. A visit to the Agricultural & Industrial Museum, and visiting the Rutter's exhibit at the museum, could be used to supplement these lessons.

THE VICTORIAN ERA IN PENNSYLVANIA (Grade 3)

Written by: ADRIANNA PERSON

This plan focuses on the lives of men, women, and children during the 19th century. Class and gender distinctions, entertainment, and education are among the topics discussed. Visiting and touring the Bonham House and/or Historical Society Museum's *A Place to Call Home* exhibit would add a firsthand understanding of the topics covered in these lessons.

COMPARING EDUCATION: THE 19TH CENTURY AND TODAY (Grade 3)

Written by: AMANDA TAWNEY

This unit invites students to compare their schools to the schools experienced by students living in the 1800s. Topics such as one-room school houses, methods of teaching, and the value of education are discussed in these lessons. Taking a field trip to the Historical Society Museum, with a special emphasis on the "Rutter's Discovery Center for Children," would be a lively addition to these lessons.

THE UNDERGROUND RAILROAD (Grade 3)

Written by: LISA KING

Reading, science, and math skills are featured in this lesson about the Underground Railroad and its impact on York County. Interactive lessons and hands-on activities help students make personal connections to the history of the Underground Railroad. A field trip to the Historical Society Museum, or a walking tour of the York Murals, would be a great asset to this unit.

HOW YORK COUNTY SHAPED A COMMUNITY (Grade 4)

Written by: LAURA MCBRIDE

This unit invites students to explore the heritage and history of York County from its founding to the present day. Important topics discussed include: the founding of York County, the Articles of Confederation, and diversity in York County. Students will even create a tourist pamphlet explaining why York County would be a great place to visit. Visits to any of the York County History Center museums would benefit these lessons.

EVERYDAY LIFE IN 19TH CENTURY AMERICA (Grade 4)

Written by: JANA ARENTZ

This lesson takes the topic of 19th century American life beyond the realm of the Civil War, and examines the daily lives and routines of average citizens. Hands-on activities are featured throughout the unit. Visits to the Historical Society of York County (with a focus on the Street of Shops and the Louis Miller Gallery) and/or the Bonham House would serve as interactive supplements to these lessons.

THE MURALS OF YORK (Grade 4)

Written by: KYLE ALBRIGHT

This unit highlights several of York County's most famous citizens by way of the city's collection of murals. William Goodridge, Bob Hoffman, and even the Second Continental Congress are featured among the lessons. Taking a tour of the murals with a York County History Center tour guide would bring these figures and their stories to life for students.

18TH CENTURY TRADES (Grade 5)

Written by: SARAH HAYES

Students incorporate science, writing, and social studies knowledge into these lessons about trades and craftsmen of the 1700s. The importance of specific jobs in the 18th century, and how these jobs related to other tradesmen in the same town or city, is also explored throughout. Visits to the Historical Society Museum, the Agricultural & Industrial Museum could supplement this unit, as could a walking tour of the York Murals.

VICTORIAN CUSTOMS AND ETIQUETTE (Grade 5)

Written by: ROSE SAYLOR

This lesson allows students to compare the society of the 19th century to their own customs today. The specific cultural traits of Victorian society are examined, including fashion, social graces, and other norms of the day. A field trip to the Bonham House would be a wonderful asset to this unit.

THE SNACK FOOD INDUSTRY (Grade 5)

Written by: **TABITHA COVINGTON**

This unit incorporates a field trip to the Agricultural & Industrial Museum, and focuses on the snack food companies that are located in York County. The lessons also seek to help students make informed decisions about the food selections they make, citing the health benefits and risks of certain snack food types.

THE CIVIL WAR (Grade 5)

Written by: **DEREK CARTWRIGHT**

A unit incorporating various aspects of the American Civil War including the causes of the war, the workings of the Underground Railroad, and reasons for the Confederate invasion of York. Activities include: student-created plays, being trained in the commands of a Civil War soldier, and plotting routes on the Underground Railroad. This could be planned in conjunction with the York County History Center's "Civil War Comes to York" tour.

THE CIVIL WAR IN YORK, PENNSYLVANIA (Grade 6)

Written by: **ELISA ROESER**

This plan uses the book *Flames Across the Susquehanna* and other activities to introduce students to York's involvement in the American Civil War. Activities include: a Civil War timeline, creating a journal, using historical letters, a trip to Gettysburg, hardtack tasting, and PowerPoint presentations. This could be planned in conjunction with the York County History Center's "Civil War Comes to York" tour.

THE UNDERGROUND RAILROAD (Grade 6)

Written by: **LAURA ADORNATO**

This unit explores the Underground Railroad in York County. Topics covered include the journey slaves undertook along the Underground Railroad, and how they and those who helped them were affected. Activities include: writing and performing a skit, map making, creating a poster, and interpreting a famous person. This could be planned in conjunction with the York County History Center's "Civil War Comes to York" tour.

IMPACTS OF WAR: THE VIETNAM WAR AND THE WAR ON TERROR (Grade 9)

Written by: **EMMA ALTMAN**

These lessons focus on the experiences of York County residents and soldiers during both the Vietnam War and the War on Terrorism. Comparing and contrasting the experiences of County residents during each war is a key focus of this unit.

INGENUITY & INNOVATION

EVOLVING TRANSPORTATION (Grade 1)

Written by: **KAILEY BREWER**

This unit examines the evolution of transportation by looking specifically at the milk wagon. Students learn about the importance of transportation and factors such as road types and their changes over time. The Milk wagon is then examined which serves as an example of the importance and evolution of transportation. Through learning about the milk wagon students will grasp the evolution of transportation and how it has affected daily life.

THE IMPACT OF AGRICULTURE: 1930S-PRESENT (Grade 3)

Written by: **CLARIE KRANTZ**

This lesson focuses on the role of agriculture in students' lives and the technological changes which have impacted farming over the years. Students will gain an understanding of farming comparing "then and now." Students will show an appreciation for agriculture and understand how mechanized farming production has transformed the industry.

THE PROCESS OF PLANTING: THEN AND NOW (Grade 1)

Written by: **JANELLE LIEB**

Students will uncover the importance and process of planting, from the 1800s to present day, as well as trace the growth of a seed and identify parts of the plant. This lesson also focuses on a grist mill. A visit to the Agricultural & Industrial Museum will foster a better understanding about how a grist mill operates.

EVOLUTION OF THE MODEL T (Grade 2)

Written by: **SALEM TESKE**

This unit presents the evolution of the Model T car based on the needs of society. Students are introduced to car manufacturing, the assembly line, the customization of automobiles, and the reasons behind changes in automobile design. This unit allows students to understand technology adapting to societal needs and would be enhanced by a visit to the Agricultural & Industrial Museum to view firsthand the changes in automobiles and the impacts of innovation.

LIFE ON THE FARM THROUGHOUT THE 1900S (Grade 4)

Written by: **WILLIAM AHERN**

This unit encourages students to understand the processes of farming, identify changes in agriculture, and recognize materials and equipment used in farming during the 1900s. Students are encouraged to imagine what life would be like as a farmer after learning about daily farm life and reading period biographies.

THE INDUSTRIAL REVOLUTION IN THE UNITED STATES (Grade 5)

Written by: **MATT FADDEN**

Students will learn the history and development of the Industrial Revolution and gain an understanding of how the event played a pivotal role in American advancement. The unit introduces students to technologic advancements such as the cotton gin, cotton mill, steamboats, the Transcontinental Rail Road, telephone, automobile, and the assembly line. Students will realize the enormous impact of the Industrial Revolution, and how it is still relevant today.

DAIRY FARMING (Kindergarten)

Written by: **JENNIFER BESTE**

This lesson highlights the various aspects of a dairy farm. Students will uncover the animals on a dairy farm and the products they produce. Particular focus is placed on the cow's primary role on the dairy farm. Students will also explore the 19th century method of hand milking a cow.

FROM THE COW TO THE CUP: THE PROCESS OF MAKING MILK

(Grade 2)

Written by: **HAILEY KLINE**

Students are introduced to the production of milk and gain an understanding of the size and scope of the dairy farm industry. This unit covers the entire milk production process; from cows making milk and milking a cow, to how milk is processed, pasteurized and purchased. This lesson can be enhanced by visiting the Agricultural & Industrial Museum's showcase on Rutters, a local York County milk producer.

CANALS (Grade 1)

Written by: **AMANDA CUFF**

Students will focus on the value of transportation through an in depth look at Canal transportation, specifically in Pennsylvania. This lesson offers an introduction to canals, features the exhibit, what life along a canal was like, the importance of transportation, and the evolution of canals. The unit also features an activity for students to act as a newspaper journalist and write a short article covering the upcoming opening of the Conewago Canal, the first canal in Pennsylvania.

COMMUNICATION IN THE EARLY 1900S (Grade 2)

Written by: **JESSICA ESTEVES**

This unit identifies the importance of communication and its evolution over time. Students will learn the different forms of communication and early methods such as the printing press. The unit allow for students to see the transformation in communications from the past to the present.

AGRICULTURAL INVENTIONS AND POWER SOURCES 1790-1870

(Grade 4)

Written by: **AMY McNELIS**

This lesson examines the impact and significance of agricultural inventions on daily life. Students will identify the three main power sources of the time and discuss inventions such as the cotton gin, reaper, plows, windmills, and a grain elevator. Students will grasp knowledge of the importance of innovation, and the lesson would be enhanced by a visit to the Agricultural & Industrial Museum, showcasing agricultural change.

TRANSPORTATION (Kindergarten)

Written by: **AMY ZEIGLER**

Students are introduced to various modes of transportation, as well as the similarities and differences between each type of transportation. Vocabulary words, poetry, and matching charts are included in this unit. A field trip to the Agricultural & Industrial Museum, with a focus on the "Transportation" gallery, could be included with these lesson plans.

CHANGES IN FAMILIES FROM THE 18TH CENTURY TO TODAY (Kindergarten)

Written by: **RACHEL TSCHUDY**

This unit compares and contrasts the lives of families in the 1700s with the lives of families living today. A field trip to the Agricultural & Industrial Museum is incorporated into these lessons, and topics such as clothing, employment, and roles of different family members are discussed.

FARMING THROUGH THE DECADES (Kindergarten)

Written by: **KATIE PICCONE**

Students will explore not only the evolution of farming, but also the health benefits and risks associated with the foods they eat. A particular focus is placed on students understanding that their food comes from somewhere other than a grocery store. Visiting the Agricultural & Industrial Museum, specifically the Agriculture gallery, will further add to these lessons.

VEHICLES AND TRANSPORTATION (Kindergarten)

Written by: **AMY SCHAFFER**

This unit presents methods of transportation to students, emphasizing how they compare and contrast. Music, toys, and photos are incorporated into the lesson plans. A field trip to the Agricultural & Industrial Museum, with a focus on the "Transportation" gallery, could be included with these lesson plans.

TRANSPORTATION: PAST, PRESENT & FUTURE (Grade 1)

Written by: CAITLYN COLEMAN

This lesson encourages young students to differentiate between the past and the present while exploring innovations in transportation and how they affect life today. Activities include: making a timeline, short presentations on famous Pennsylvanians, story reading, journal writing, and a reader's theatre. This unit could be supplemented with a visit to the Colonial Complex or the Agricultural & Industrial Museum.

A SETTLER'S JOURNEY THROUGH A NEW LIFE (Grade 1)

Written by: LISA HULL

A lesson that teaches young learners to distinguish between needs and wants, while exploring what life was like for settlers immigrating to America in the 18th century. Students explore the jobs colonial Americans held, the roles of family members in 18th century homes, and the colonists used natural resources to meet their needs. This lesson utilizes traveling trunks available from the York County History Center. It could also be supplemented with a visit to the Colonial Complex, or by taking our Pennsylvania Frontier Tour.

PRODUCTS IN AGRICULTURE (Grade 1)

Written by: REBEKAH DIETRICH

This unit invites students explore the "home grown" nature of many foods they enjoy. Visits to the Agricultural & Industrial Museum, with a particular focus on Bradley's Grist Mill, and/or the Colonial Complex's four-square garden are built in to the lessons, helping students understand how foods were "from scratch" before the advent of processed foods.

DAIRY FARMS AND NUTRITION (Grade 2)

Written by: LAURA STAUB

These lessons combine the workings of dairy farms with nutritional information about milk. Students will learn how milk is processed, and about the different food products that are dairy-based. The lessons could be supplemented by visits to the Agricultural & Industrial Museum, focusing on the Rutter's Dairy exhibit, or by taking the History Center's Pennsylvania Frontier Tour.

CHANGES IN TRANSPORTATION (Grade 2)

Written by: SARA STROHM

Various methods of transportation are compared and contrasted in this unit. The transportation methods are also compared to their modern counterparts in the 21st century. A special focus is placed on bicycles, providing a direct connection to students' lives. Visiting the Agricultural & Industrial Museum, especially its Transportation gallery, would be an enhancing field trip for these lessons.

AUTOMOBILES IN THE EARLY 1900'S (Grade 3)

Written by: DANIELLE GAITINGS

This unit allows students to explore the evolution of automobiles in the early 20th century, and also discusses the innovations and improvements made to early cars through innovators such as Henry Ford. A visit to the Agricultural & Industrial Museum, with a special focus on the Transportation Gallery, will bring new light and a local perspective to these lessons.

DAIRY PRODUCTION IN THE 20TH CENTURY (Grade 3)

Written by: BETHANY MOORE

Students will explore the evolution of dairies throughout the 20th century, and the particular roles that children played while working in this industry. Visiting the Agricultural & Industrial Museum, specifically focusing on the Agriculture gallery, will enhance these lessons.

FARM TOOLS, FARM LIFE, AND APPLE FARMING (Grade 3)

Written by: ALEXANDRA ROCKWELL

A focus on farming in York County, with a special look at apple crops, is featured in this unit. The tools used by farmers, the specific roles of children, and the evolving lives of farm families are discussed. Visiting the Agricultural & Industrial Museum, with attention paid to the Agriculture gallery, will add depth and understanding to these lessons.

THE EVOLUTION OF A CHILD'S LIFE (Grade 3)

Written by: CATHERINE SCHAIRER

This unit explores the changes in children's lives from the 18th century to the present day. Activities include: keeping a diary, letter writing, and an "interview" with a farmer. The lessons could be supplemented by visits to the Agricultural & Industrial Museum or the Colonial Complex, or by visiting them both on the Pennsylvania Frontier Tour.

18TH CENTURY SPECIALIZATIONS (Grade 3)

Written by: ANNIE ROLL

Students will learn about nine specific types of craftsmen of the 1700s, and how their roles impacted both their individual lives, as well as the lives of the communities they served. How these trades evolved and changed to better suit the community is featured throughout. This lesson could be supplemented by History Center's Pennsylvania Frontier Tour, or by separate visits to the Colonial Complex or the Agricultural & Industrial Museum.

LIFE ON 19TH CENTURY CANALS (Grade 3)

Written by: BRITNEY SPICER

Lessons explore the history, rise, and decline of canals in the 19th century, while comparing and contrasting them with other modes of 21st century transportation. Students will also explore the workings of canals, as well as the lives of the crewmen living and working on canal boats. A visit to the Agricultural & Industrial Museum, with an emphasis on the Museum's canal exhibit, can be incorporated into the unit.

THE IMPORTANCE AND EVOLUTION OF COMMUNICATION (Grade 3)

Written by: MALLORY PARKER

These lessons seek to introduce students, born in the technological age, to the ever evolving aspects of communication. Barriers to effective communication, and ways to overcome it (such as sign-language) are discussed. A trip to the Agricultural & Industrial Museum, with an emphasis on its Print Shop, can be added to this unit.

COMMUNICATION IN THE 19TH CENTURY AND TODAY (Grade 3)

Written by: NICOLE NEELY

This unit compares and contrasts communication methods during the 1800s and the present day. Topics including telegraphs and Morse code, newspapers, and the evolution of printing presses are discussed. Visiting the Agricultural & Industrial Museum, particularly its Print Shop exhibit, will enhance these lessons.

THE SCIENCE OF HOW THINGS GROW (Grades 3)

Written by: CASEY CONWAY

This lesson plan examines some of the crops and livestock that are raised in Pennsylvania, and how those contributions to agriculture are felt throughout the rest of the country. Students will also explore the many jobs that are associated with the agricultural world, beyond the role of farming. A visit to the Agricultural & Industrial Museum, with an emphasis on the agriculture gallery, would enhance these lessons.

INVENTING THE FUTURE (Grades 3-5)

Written by: TIFFANY ARNOLD

A great pre-visit lesson for a trip to the Agricultural & Industrial Museum, this lesson explores important inventions while challenging students to understand how these inventions have affected our lives. The lesson asks students to create their own inventions that would change life for us.

THE EVOLVING TECHNOLOGY OF AGRICULTURE (Grade 4)

Written by: JAMI SMITH

This lesson allows students to see the evolution of farming from a backbreaking, labor intensive occupation to a highly scientific and specialized process. Students will also explore the tactics farmers use to maintain and sustain their land, keeping it full of crops year after year. A visit to the Agricultural & Industrial Museum would accompany these topics greatly.

FARMING IN THE EARLY 20TH CENTURY AND 21ST CENTURY (Grade 4)

Written by: LEANNE KOHLER

Lessons focus on comparing and contrasting the lives and work of farmers in the early 20th and early 21st centuries. Changes in the raising of animals, the evolution of farm equipment, and improvements in the lives of farmers are all explored within the unit. Visiting the Agricultural & Industrial Museum, specifically the Agriculture gallery, would add a firsthand experience to these lessons.

AVIATION (Grade 4)

Written by: KATIE BAUBLITZ

This unit focuses on the changes and evolution of aviation from the early 1900s to today, and how those changes have made people's lives easier and more efficient. A variety of hands-on activities and cooperative projects help students to interact and work together. A visit to the Agricultural & Industrial Museum, with emphasis on its York Airport exhibit, could be incorporated into these lessons.

TRAVEL BEFORE PAVED ROADS (Grade 4)

Written by: TONY GRIGNANO

Lessons focus on the evolution of roadways from the 18th century through the present day. Hands-on activities allow students to explore different types of early American roads, such as cobblestones, wooden roads, and dirt footpaths. A visit to the Agricultural & Industrial Museum, with emphasis on its Transportation gallery, can be incorporated into these lessons.

WORLD WAR II AND THE YORK PLAN (Grade 4)

Written by: ALEXANDER ROST

In addition to a general history of the events of World War II, this unit also pays specific attention to the York Plan, a cooperation of local industries that focused their resources on the production of war materials. Interactive and engaging lessons are designed to help students make personal connections to America's involvement in the war. A field trip to the Agricultural & Industrial Museum's exhibit about the York Plan would greatly supplement these lessons.

RAILROAD DEVELOPMENT (Grade 5)

Written by: KATIE BAUBLITZ

These lessons develop students' research skills as they explore the history of railroading, and how that industry has evolved since the early 1800s. Topics discussed in classes will be incorporated into a research project at the end of the unit. Visiting the Agricultural & Industrial Museum, with an emphasis on the railroading exhibits at the Museum, will be a great asset to these lessons.

CANALS IN THE 1800'S (Grade 6)

Written by: EMILY WEHLAND

This unit is focused on the creation and impact of the canal industry in the 19th century, and compares/contrasts canals with the modern transportation methods available today. Visiting the Agricultural & Industrial Museum, with a focus on its Transportation gallery and Canals exhibit, would greatly augment these lessons.

FOOD PRODUCTION FROM THE 1700'S TO TODAY (Grade 6)

Written by: KYMBERLY HELWIG

Students focus on the various methods food production in the 18th century, and how the challenges faced by the farmers of that time led to innovations and improvements in farming, food storage, and even food transportation. Visiting the Agricultural & Industrial Museum, with a focus on the Museum's Agricultural gallery, would add a new level of understanding to these lessons.

COMMUNICATION DURING THE CIVIL WAR (Grade 8)

Written by: KYLEE SPANGLER

This unit discusses five key methods of communication during the Civil War era, and compares/contrasts them with methods of communication available in the present day. A journal writing activity is included with the lessons. Visiting the Historical Society Museum's Civil War exhibit and/or the Bonham House would enhance this topics covered.

THE FLOW OF INFORMATION DURING THE 1700'S (Grade 9)

Written by: ALEJANDRO OTERO

Lessons compare and contrast the way information was made available in the 18th century and in the present day. A focus is placed on the time the Continental Congress spent in York during the Revolutionary War, and how local information makes a national impact. A trip to the Colonial Complex, with an emphasis on the Colonial Courthouse, will augment this unit.

GRIST MILL TECHNOLOGIES THROUGH THE AGES (Grade 9)

Written by: SARAH WALSH

This plan focuses on the evolution of mill technology, and topics such as waterpower, airpower, and even the simple mortar and pestle. The individual parts of a mill are also examined. Visiting the Agricultural & Industrial Museum, and walking through the Museum's working grist mill, would allow students to see a working mill up close.