

Archery Middle School Curriculum

Major focus:

- National Standards:
 - o Physical Education
 - 1. Uses a variety of basic and advanced movement forms (NPH.K-12.1)
 - 2. Uses movement concepts and principles in the development of motor skills (NPH.K-12.2)
 - 3. Understands the benefits and costs associated with participation in a physical activity. Exhibits and physically healthy lifestyle. (NPH.K-12.3)
 - 4. Understands how to monitor and maintain a healthenhancing level of physical fitness (NPH.K-12.4)
 - 5. Understands the social and personal responsibility associated with participation in physical activity (NPH.K-12.5)
 - 6. Demonstrates understanding and respect for differences among people in physical activity settings (NPH.K-12.6)
 - 7. Values physical activity for health, enjoyment, challenge, self-expression, and/or social interaction (NPH.K-12.7)
 - o Social Studies
 - 1. US History – Understands comparative characteristics of societies in the Americas that increasing interacted after 1450 (NSS-USH.5-12.1)
 - 2. History/Culture – Understanding the biological and cultural processes that gave rise to the earliest human communities (NSS.USH.5-12.1)
 - 3. History/Culture – Understanding major global trends from 1750 to 1914 (NSS.USH.5-12.7)
 - o Mathematics
 - 1. Work flexibly with fractions, decimals and percents to solve problems (NM- NUM.6-8.1)
 - 2. Use the associative and commutative properties of addition and multiplication and the distributive property of multiplication over addition to simplify computations (NM- NUM.6-8.2)

3. Select appropriate methods and tools for computing, along with mental math, and select the proper method (NM- NUM.6-8.3)

4. Understand, select and use units of appropriate size and type to measure angles (NM- MEA.6-8.1)

5. Formulate questions that can be addressed with data and collect, organize and display relevant data to answer (NM-DATA.6-8.1)

6. Select and use appropriate statistical methods to analyze data (NM- DATA.6-8.2)

7. Develop and evaluate inferences and predictions based upon data (NM-DATA.6-8.3)

8. Understand and apply basic concepts of probability (NM-DATA.6-8.4)

9. Create and use representations to organize, record and communicate mathematical ideas (NM-PROB.REP.PK-12.1)

• Essential Core Content:

Social Studies: The history of archery. Students will understand, analyze and interpret historical events, conditions, trends and issues to develop historical perspective.

- o History is a series of connected events, shaped by cause and effect relationships, tying the past to the present.
- o As early hunters and gatherers developed new technologies, they settled into organized civilizations.

Strategies for archery safety : Using safety strategies in archery activities reduces the possibility of injury.

o Archery skills and techniques: Techniques (including practice and self-evaluation) are used to develop skills

related to performance in games and/or sports. o Principals of motor skills refinement such as accuracy, technique and movement require a logical and sequential approach.

Character Development through Archery : Physical, emotional and social benefits can be gained from regular participation in leisure/recreational and/or competitive physical activities.

o Communication, cooperation, rules and respect are important to the effective functioning of groups. o Behaviors such as constructive communication, fulfilling commitments and cooperation show respect and responsibility to self and others.

Mathematical Concepts through Archery : Basic mathematical concepts can be addressed, taught and real-life connections formed through the use of archery.

• Organizer: How can I be “on target for life” through developing skills for, and participating in, the sport of archery? • Essential Questions: o How do I participate in archery in a safe and responsible manner? o How do I successfully perform archery skills? o How does participation in archery activities promote my character development? o How does participation in archery activities enhance my physical, emotional and social well-being? • Enabling knowledge o Safety strategies o Archery equipment o Archery techniques o Basic shooting form o Archery rules o Scoring procedure o Archery etiquette and sportsmanship o Archery history o Physical, social and emotional benefits of archery

• Enabling skills and processes: o Research skills o Listening skills o Observation skills o Hand-eye coordination

o Refinement of motor skills o Self-evaluation o Following directions o Scoring o Skill improvement through practice o Effective group participation o Communication skills o Cooperation skills o Practicing responsibility and respect