

**Art, Health, Music,  
PE, and Tech Ed.  
EU & EQ's**

**Art**

**“Creativity  
is now as  
important in education as  
literacy.”**

**-Sir Ken Robinson**

# 6th Grade - ART

**Enduring Understanding:** Art reflects the unique characteristics, beliefs, traditions, and customs of all cultures.

## Asian Fan

Essential Questions:

- How do you use watercolors as an art medium to create a composition on a fan?
- What are the characteristics of Chinese brush paintings?
- Why is Chinese calligraphy an important part of Asian images?

## Aboriginal Dreaming Paintings

Essential Questions:

- How does the aboriginal culture use symbols to communicate?
- What type of symbols does it use?
- Why is this an important element in their culture?

## Egyptian Clay Sarcophagus

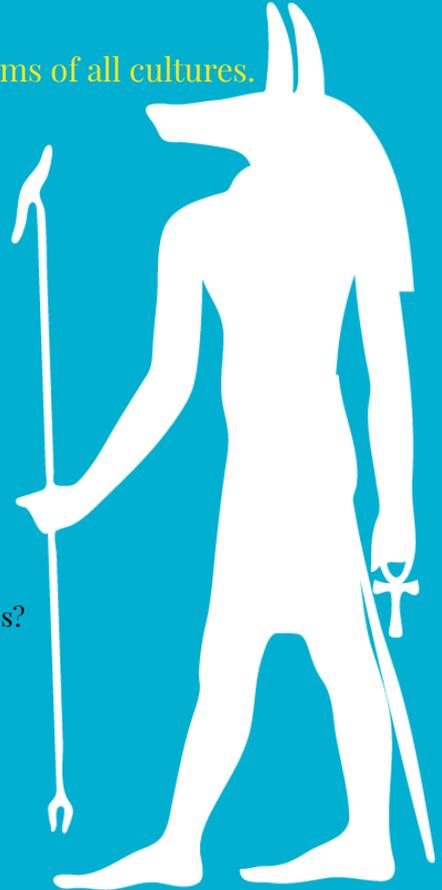
Essential Questions:

- How can you create an Egyptian mummy sarcophagus out of clay using the clay forming methods and rules?
- What are the characteristics of Egyptian art?
- Why are Egyptian Sarcophagus so visually complex and what do all the symbols mean?

## Cultural Box : PACE NH ARTS

Essential Question:

- How can you use symbols to convey meaning in a work of art?
- What is harmony and how can you use The Elements of Art to create harmony in your art work?
- Why is an artist's statement an important part of the creative process?



# 7th Grade - ART

**Enduring Understanding :** New art techniques create innovation in the arts.

## **Elements of Art- CUBE**

Essential Questions:

- What are the elements of art?
- How do artists use them to create a work of art?
- Why are they important?

## **Animal Zoom:**

Essential Questions:

- How can you create a realistic animal with correct proportions?
- Why are different perspectives important in the arts?
- What techniques create animal patterns and textures?

## **Clay: Gargoyle Sculpture**

Essential Questions:

- What is Gothic Art?
- How do artists create a stylized work of art?
- Why are gargoyles a part of medieval architecture?
- What are the clay rules and methods.

## **Hero Portrait PACE NH ARTS**

Essential Questions:

- What are the proportions of the human face?
- How do portraits reflect society? Why is the Mona Lisa so famous?
- Why do we need heroes and what attributes do they possess?



# 8th Grade - ART

**Enduring Understanding:** Artists develop an original style through the use of different techniques and processes.

## Illustration - Fall Corn

Essential Questions:

- What are the principles of design?
- How do artists use the elements of art and principles of design in unique ways to create their own artistic style?
- Why do artists choose still lifes as a topic?

## Sculpting the Figure with Movement : PACE TASK - NH ARTS.

Essential Question:

- How can you use wire to create a figure describing movement?
- What are the proportions of the human figure and how does movement affect proportions?
- Why is an artist statement an important part of the creative process?

## Functional Clay : Salt and Pepper

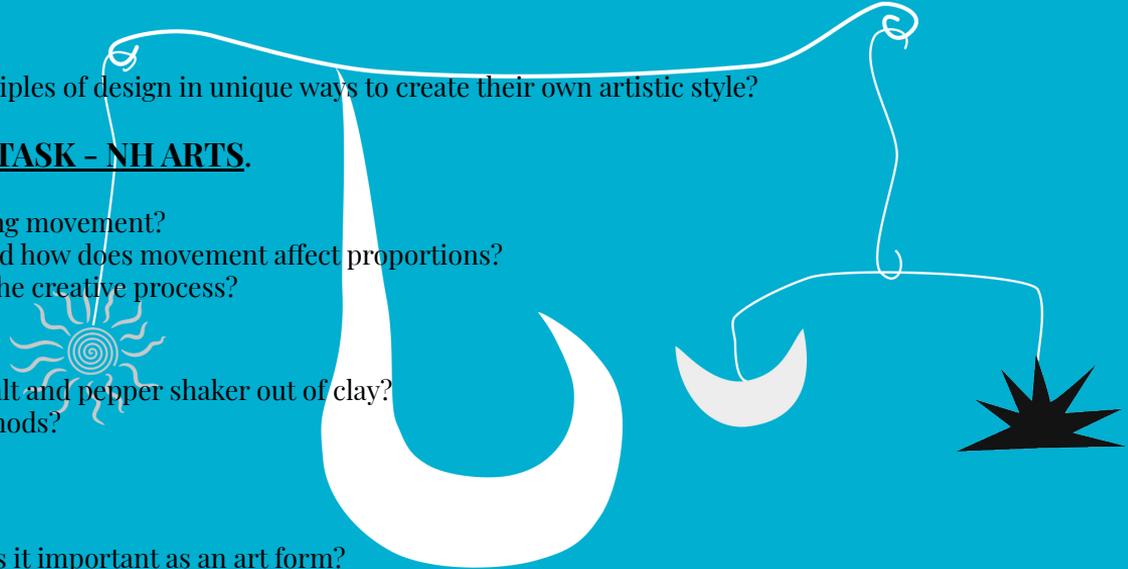
Essential Questions:

- How can you create an innovative functional salt and pepper shaker out of clay?
- What are the clay hand building rules and methods?
- Why are Crafts and Fine Arts unique?

## Kinetic Sculpture S.T.E.A.M

Essential Questions:

- How does kinetic sculpture function and why is it important as an art form?
- What is S.T.E.A.M and how does it incorporate the engineering design process?
- Why are Creativity, Communication, Collaboration and Critical thinking important to the design process?



# Health

**“It is health that is real wealth, not pieces of gold and silver.”**

**-Mahatma Gandhi**

# 6th Grade - HEALTH

## Foundations

### **Enduring Understandings:**

Maintaining wellness throughout your life requires balancing the physical, mental/emotional and social aspects of health.

### **Essential Questions:**

What is wellness and how does it apply to my life?

To what extent does a balanced health triangle lead to a healthy lifestyle?

### **Standards:**

- Standard 1: Students will comprehend concepts related to wellness promotion and disease prevention to enhance health.

## Safety

### **Enduring Understandings:**

Good safety habits prevent injury.

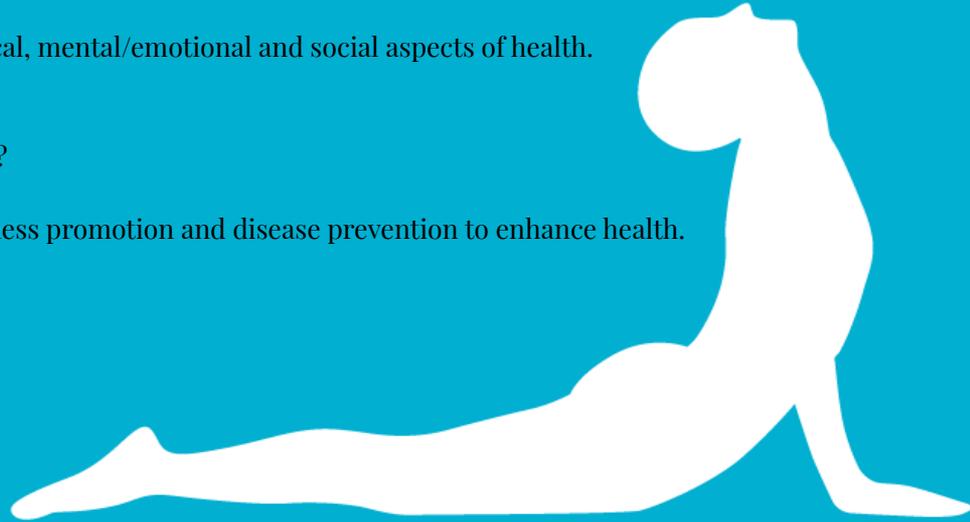
### **Essential Questions:**

Why is it important to think before you act?

What knowledge, skills, and behaviors contribute to personal safety?

### **Standards:**

- Standard 1: Students will comprehend concepts related to wellness promotion and disease prevention to enhance health.
- Standard 5: Students will demonstrate the ability to use decision-making skills to enhance health.



## Nutrition/Fitness

**Enduring Understandings:** Food choices directly contribute to physical and mental well-being of an individual.

**Essential Questions:**

To what extent do eating habits and physical activity affect my health?

**Standards:**

- Standard 1: Students will comprehend concepts related to health promotion and disease prevention to enhance health.
- Standard 3: Students will demonstrate the ability to access valid information and products and services to enhance health.
- Standard 6: Students will demonstrate the ability to use goal setting skills to enhance health.

## Growth and Development

**Enduring Understandings:**

Puberty is a normal phase during adolescence in which you will go through a variety of physical, social, and emotional changes.

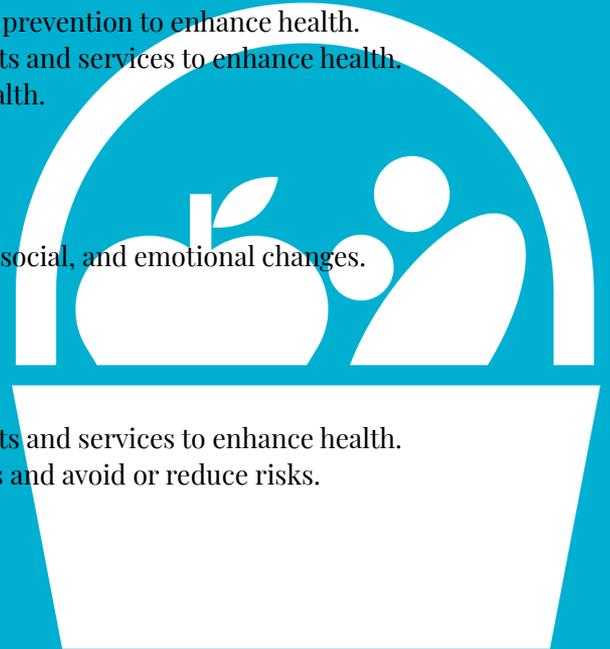
**Essential Questions:**

How and why do we change during adolescence?

How can I take care of my well being now that I'm becoming a teenager?

**Standards:**

- Standard 3: Students will demonstrate the ability to access valid information and products and services to enhance health.
- Standard 7: Students will demonstrate the ability to practice health-enhancing behaviors and avoid or reduce risks.



## Drugs/Alcohol/Tobacco

### **Enduring Understandings:**

Substance use and abuse negatively impacts our physical, social and mental/emotional health.

### **Essential Questions:**

What are the potential short and long term health risks involved with substance abuse?

How do our peers influence healthy and unhealthy behaviors?

### **Standards:**

- Standard 2: Students will analyze the influence of family, peers, culture, media, technology, and other factors on health behaviors.
- Standard 5: Students will demonstrate the ability to use decision-making skills to enhance health.
- Standard 7: Students will demonstrate the ability to practice health-enhancing behaviors and avoid or reduce health risks.



# 7th Grade - HEALTH

## Foundations

### **Enduring Understandings:**

Maintaining wellness throughout your life requires balancing the physical, mental/emotional and social aspects of health.

### **Essential Questions:**

What is wellness and how does it apply to my life?

What influences your health and to what extent do decisions I make affect my health?

### **Standards:**

- Standard 1: Students will comprehend concepts related to wellness promotion and disease prevention to enhance health.

## Communication

**Enduring Understandings:** The ability to use and apply effective communication skills and conflict resolution strategies can directly impact a person's social health.

### **Essential Questions:**

How do I effectively communicate with others to enhance relationships?

How can we recognize the signs and symptoms of someone being bullied harassed.

### **Standards:**

- Standard 4: Students will demonstrate the ability to use interpersonal communication skills to enhance health.
- Standard 8: Students will demonstrate the ability to advocate for personal, family, and community health.



## Nutrition

### **Enduring Understandings:**

Food choices directly contribute to physical and mental well-being of an individual.

### **Essential Questions:**

To what extent do eating habits affect my health?

How can schools promote healthy eating habits for students?

### **Standards:**

- Standard 1: Students will comprehend concepts related to health promotion and disease prevention to enhance health.
- Standard 3: Students will demonstrate the ability to access valid information and products and services to enhance health.
- Standard 6: Students will demonstrate the ability to use goal-setting skills to enhance health.

## Substance Abuse

### **Enduring Understandings:**

Substance use and abuse negatively impacts our physical, social and mental/emotional health.

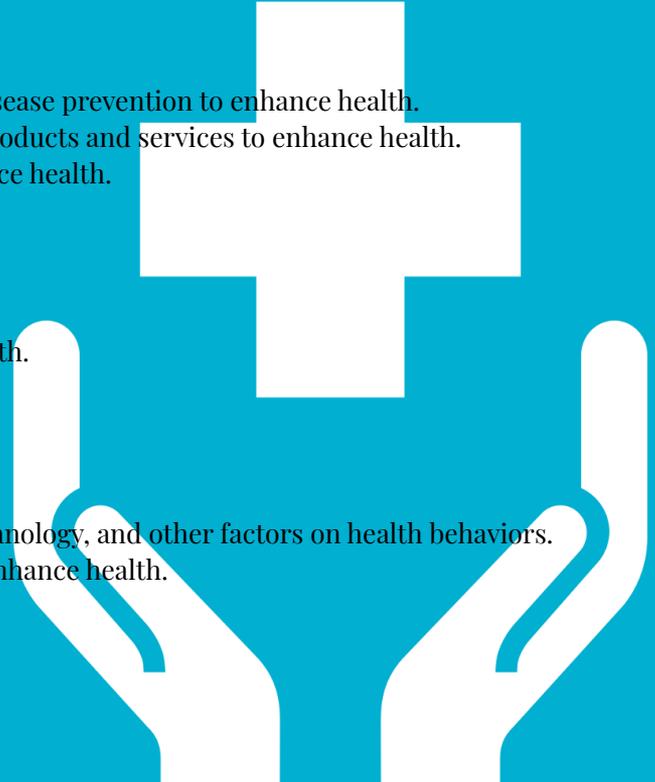
### **Essential Questions:**

Why do teens start using drugs/alcohol/tobacco?

What are the potential long term health risks involved with substance abuse?

### **Standards:**

- Standard 3: Students will analyze the influence of family, peers, culture, media, technology, and other factors on health behaviors.
- Standard 5: Students will demonstrate the ability to use decision-making skills to enhance health.



# 8th Grade - HEALTH

## Foundations/Mental & Emotional Health

### **Enduring Understanding:**

Healthy behaviors promote overall well-being and reduce the risk of health related problems, disorders and disease.

### **Essential Questions:**

What is wellness and how does it apply to my life?

What are healthy ways of managing emotions and stress?

- Standard 1: Students will comprehend concepts related to wellness promotion and disease prevention to enhance health.
- Standard 8: Students will demonstrate the ability to advocate for personal, family and community health.

## Nutrition

### **Enduring Understanding:**

Food choices directly contribute to physical and mental well-being of an individual.

### **Essential Questions:**

To what extent do eating habits affect my health?

How does food advertising impact our decisions as food consumers?

To what extent do eating habits affect my health?

- Standard 2: Students will analyze the influence of family, peers, culture, media, technology, and other factors on health behaviors.
- Standard 3: Students will demonstrate the ability to access valid information and products and services to enhance health.
- Standard 7: Students will demonstrate the ability to practice health-enhancing behaviors and avoid or reduce health risks.



## Growth and Development/Reproduction

### **Enduring Understanding:**

Responsible behaviors and practices influence relationships and lifelong wellness.

### **Essential Questions:**

How can I take care of my body now that I'm becoming a teenager?

What strategies and behaviors promote responsible and healthy relationships?

- Standard 3: Students will demonstrate the ability to access valid information and products and services to enhance health.
- Standard 7: Students will demonstrate the ability to practice health-enhancing behaviors and avoid or reduce risks.

## Drugs/Alcohol/Tobacco

### **Enduring Understanding:**

Substance use and abuse negatively impacts our physical, social and mental/emotional health.

### **Essential Questions:**

What are the potential long term health risks involved with substance abuse?

How does a person's mental/emotional health impact their decision to use or avoid substances?

- Standard 2: Students will analyze the influence of family, peers, culture, media, technology, and other factors on health behavior.
- Standard 5: Students will demonstrate the ability to use decision-making skills to enhance health.
- Standard 7: Students will demonstrate the ability to practice health-enhancing behaviors and avoid or reduce health risks.



# Music

**“I would teach children music, physics, and philosophy; but most importantly music, for the patterns in music and all the arts are the keys to learning.”**

**-Sir Ken Robinson**

# MUSIC

## Enduring Understandings: Grade 6-8 General Music

- **Music is a language that is influenced by history and culture, and vice versa.**
- **Performing and creating music engages the whole brain and allows for self-expression.**



# 6th Grade - MUSIC

## World Folk Music

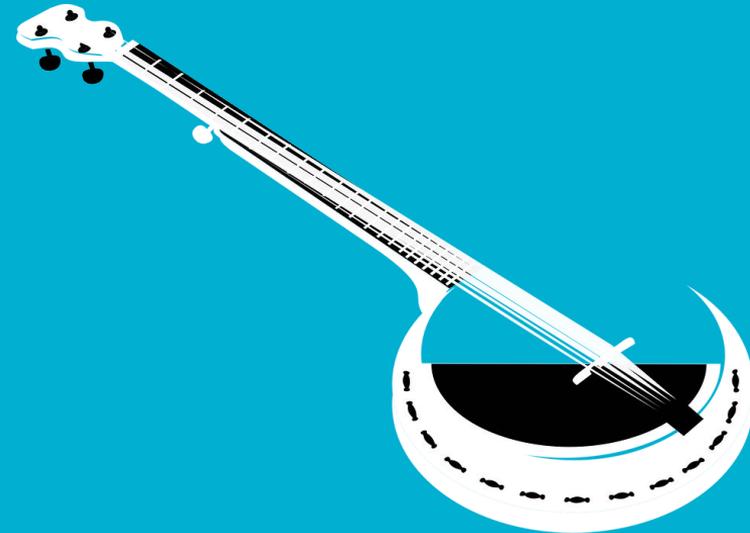
- a. How does music reflect the history, values, and lifestyle of different cultures?
- b. How can music communicate the expectations of a specific situation to the performers or audience?
- c. How can music unite people of different cultures?

## Elements of Music - Rhythm and Melody

- a. How are musical patterns formed?
- b. How can we read, write, and perform musical patterns?

## Elements of Music - Timbre and Science of Sound

- a. How is sound produced and changed on different instruments?
- b. What characteristics do we use to put instruments into families?



# 7th Grade - MUSIC

## Elements of Music: Harmony

- a. What is the difference between melody and harmony?
- b. How are harmonies formed?

## Introduction to Guitar

- a. How do we read and perform chords and simple melodies on the guitar?
- b. What made the guitar popular at various points in history?
- c. What types of music can be played on the guitar?

## Music History (Baroque-Classical-Romantic)

- a. In what ways have people used music to express their values and describe their experiences?
- b. How do music and history influence each other?
- c. What features of music define each time period? How did they evolve?



# 8th Grade - MUSIC



## Elements of Music: Form

- a. How does form affect attention span?
- b. How has form evolved in recent contemporary music?

## Elements of Music: Tonality

- a. How does the sound of a chord affect your mood?
- b. Is there good harmony and bad harmony?

## History of Music: Popular music of the 20th Century

- a. In what ways have people used music to express their values and describe their experiences?
- b. How do music and history influence each other?
- c. What features of music evolved from one time period to another?

# Physical Education

**“Physical fitness is not only one of the most important keys to a healthy body, it is the basis of dynamic and creative intellectual activity.”**

**-John F. Kennedy**

# 6th Grade - PHYSICAL EDUCATION

## Fitness Testing – Physical Fitness

### **Enduring Understandings:**

Understanding fitness concepts and skills and integrating them into your everyday routine supports wellness.

### **Essential Questions:**

What is the minimum amount of exercise I can do to stay physically fit?

How do you realize age-appropriate fitness?

### **Standards:**

- Standard 5: Demonstrate the ability to use goal setting and decision making skills

## Volleyball – Lifetime Activities

### **Enduring Understandings:**

Volleyball is an activity for all ages to enjoy recreationally and/or competitively throughout a lifetime

### **Essential Questions:**

What is the importance of eye-hand coordination in volleyball?

What is the significance of volleyball as a lifelong activity?

### **Standards:**

- Standard 15: Demonstrate responsible personal, emotional and social behaviors.
- Standard 19: Understand that wellness provides for enjoyment, challenge, self-expression and social interaction.



## Soccer – Team Sport

### **Enduring Understandings:**

- Body awareness and coordination are necessary components of a fit individual.

### **Essential Questions:**

What is the importance of eye-foot coordination in?

How can soccer increase the fitness level of each individual?

### **Standards:**

- Standard 4: Demonstrate interpersonal communication skills and styles.
- Standard 13: Identify the benefits of regular participation in physical activity.



# 7th Grade - PHYSICAL EDUCATION

## Fitness Testing – Physical Fitness

### **Enduring Understandings:**

Understanding fitness concepts and skills and integrating them into your everyday routine supports wellness.

### **Essential Questions:**

What is the minimum amount of exercise I can do to stay physically fit?

How do you realize age-appropriate fitness?

### **Standards:**

- Standard 5: Demonstrate the ability to use goal setting and decision making skills

## Badminton – Lifetime Activities

### **Enduring Understandings:**

Badminton involves the use of basic skills: serve, forehand, backhand, and score-keeping.

### **Essential Questions:**

- How can badminton increase the fitness level of each individual?
- What are some of the basic skills you need to play badminton?

### **Standards:**

- Standard 12: Participate regularly in health-enhancing leisure, recreational and fitness activities
- Standard 13: Explore a variety of new physical activities for personal interest



## Basketball – Team Sport

### **Enduring Understandings:**

- Body awareness and coordination are necessary components of a fit individual.
- Basketball and related activities can effect and benefit overall health of an individual.

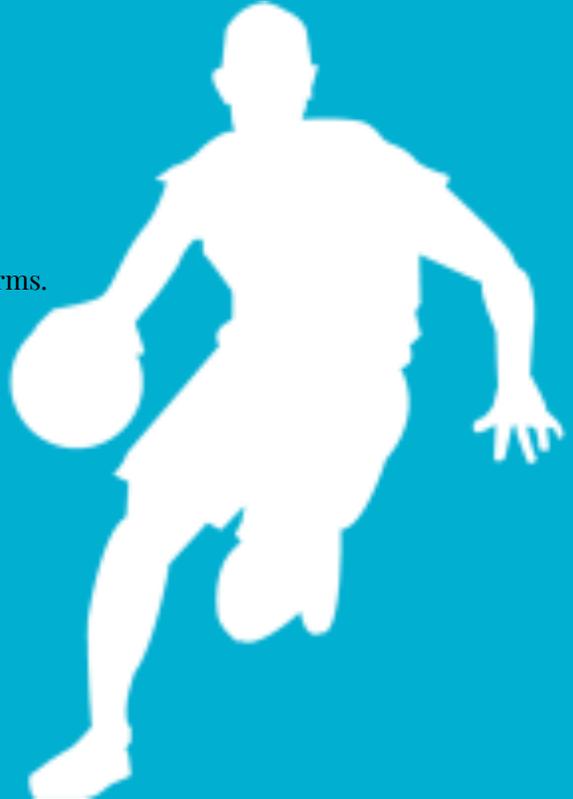
### **Essential Questions:**

What components of fitness does basketball encompass?

What is the importance of eye-hand coordination in basketball?

### **Standards:**

- Standard 10: Understand and apply more advanced movement and game strategies.
- Standard 11: DEMonstrate ceompetence in modified versions of a variety of movement forms.



# 8th Grade - PHYSICAL EDUCATION

## Fitness Testing – Physical Fitness

### **Enduring Understandings:**

Understanding fitness concepts and skills and integrating them into your everyday routine supports wellness.

### **Essential Questions:**

What is the minimum amount of exercise I can do to stay physically fit?

How do you realize age-appropriate fitness?

### **Standards:**

- Standard 5: Demonstrate the ability to use goal setting and decision making skills

## Recreational (4 square, Ultimate Frisbee) – Lifetime Activities

### **Enduring Understandings:**

Strategies for success apply throughout multiple team sports.

Eye-hand coordination is an important facet in all elements of hockey.

### **Essential Questions:**

How do recreational games increase the fitness level of each individual?

What defines a recreational activity?

### **Standards:**

- Standard 4: Demonstrate interpersonal communication skills and styles
- Standard 5: Establish wellness goals in the areas of personal fitness and personal growth



## Hockey – Team Sport

### **Enduring Understandings:**

- Body awareness and coordination are necessary components of a fit individual.
- Basketball and related activities can effect and benefit overall health of an individual.

### **Essential Questions:**

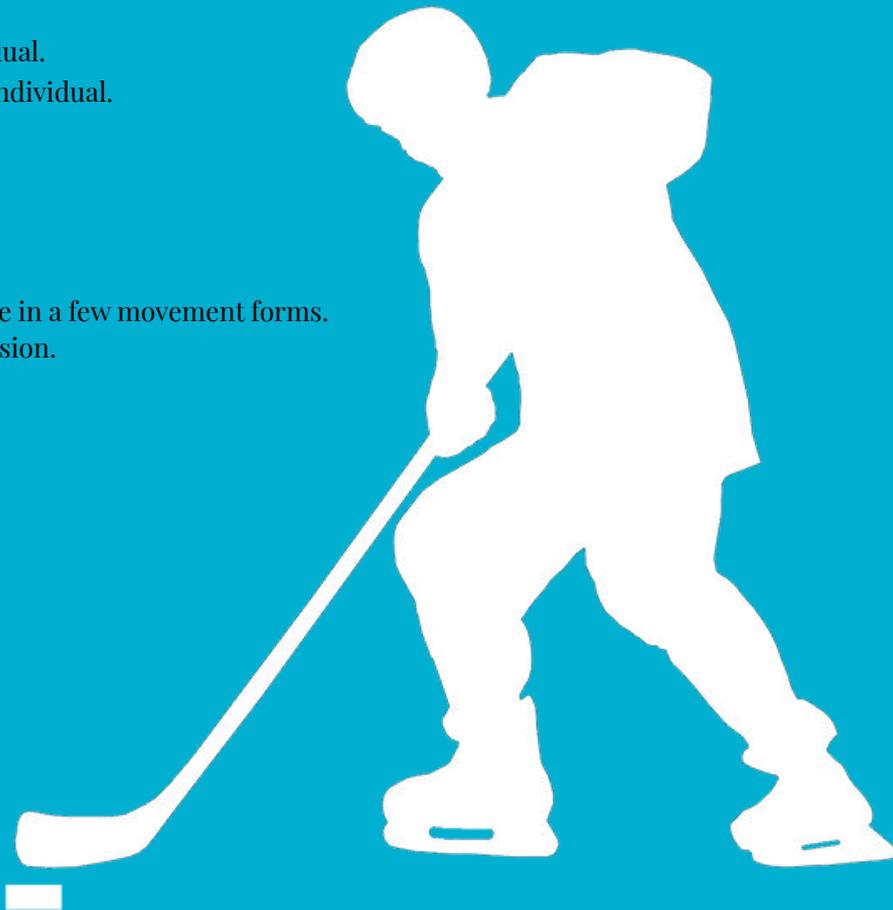
How does hockey relate to other team sports?

How does hockey relate to other team sports?

What is the importance of eye-hand coordination in hockey?

### **Standards:**

- Standard 10: Identify the characteristics of highly skilled performance in a few movement forms.
- Standard 19: Recognize wellness activities as a vehicle for self-expression.



# Technical Education

**“Engineers like to solve problems. If there are no problems handily available, they will create their own problems.”**

**-Scott Adams**

# 6th Grade - TECHNICAL EDUCATION

## Transportation: Rocket

### **Enduring Understandings:**

Aerodynamics changed the modes of transportation of the future.

### **Essential Questions:**

- How will space exploration serve us in the future?
- What are technological developments (past and present) related to space exploratories?
- How does drag affect you while riding a bike/rocket?

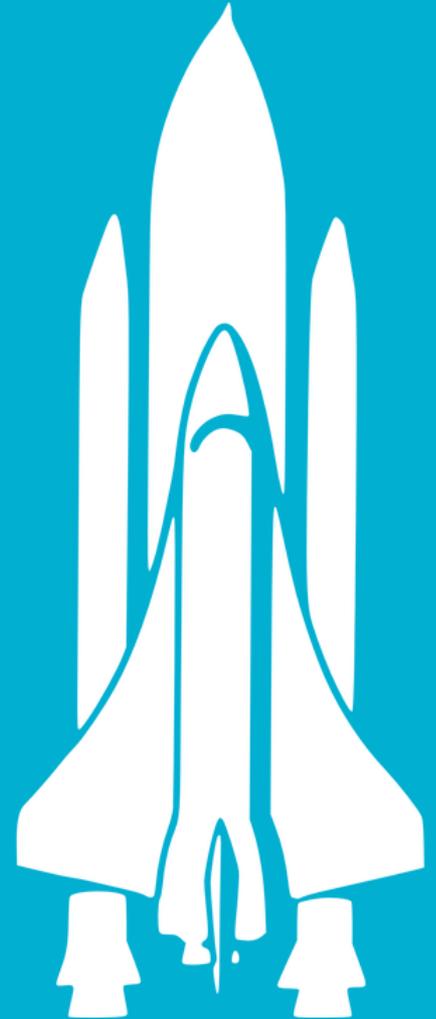
## Communication: Pin Hole Camera

### **Enduring Understandings:**

Photography has impacted our lives throughout history.

### **Essential Questions:**

- What are the behaviors of light and how do they affect photography?
- What materials do you need to make a photograph?



# 7th Grade - TECHNICAL EDUCATION

## Construction: Bridge

### **Enduring Understandings:**

Construction plays a crucial role in the social, political, and economic development of societies.

### **Essential Questions:**

- How do bridges serve us in our society today?
- How have bridges affected your life?.
- How has bridge design and materials changed over the past century?

## Computer Technology: CAD

### **Enduring Understandings:**

Computer Aided Design (CAD) is used by designers, engineers, and architects to create technical drawings used to communicate design solutions.

### **Essential Questions:**

- Why are international CAD standards necessary when creating drawings to communicate design solutions?
- What are the advantages of using a CAD system to create, view, and manage design drawings?



# 8th Grade - TECHNICAL EDUCATION

## Technology: Robotics

### **Enduring Understandings:**

The future of manufacturing, in business and industry is robotics.

### **Essential Questions:**

- How can robotics technology further impact our future in a positive way?
- What are the required components, factors and skills to build a high performance functioning robot?
- How to construct an autonomous mobile robot?
- How to program an autonomous mobile robot?

## Construction Technology: Woodworking

### **Enduring Understandings:**

Skilled and safe use of material, equipment and tools will result in a safe working environment for all.

### **Essential Questions:**

- How do you ensure safe working conditions?
- What are the rules, processes, and procedures, designed to product?
- Why is appropriate behavior critical to one's safety and well-being?
- Why is accurate measurement vital to maintaining quality?

