Bridge
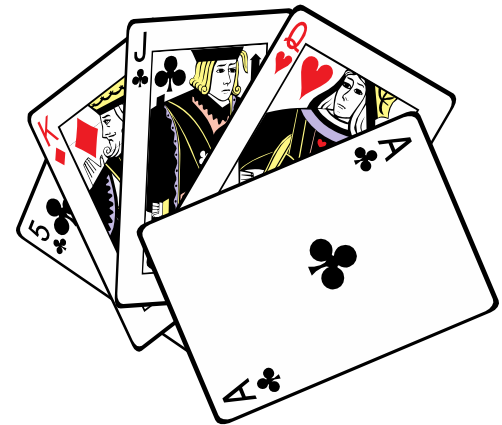
How Bridge Can Benefit
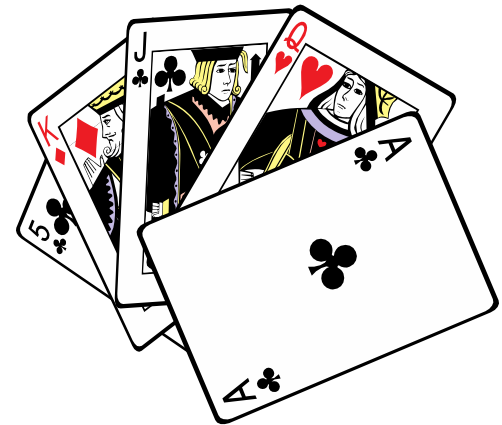Your School and
Your Students

Benefit to Administrators

- Improvement in Standardized Test Scores

- Promote STEM Education Goals

- Students Learn Cooperation and Communication Skills

- Interscholastic Competition

- Opportunities to Create Community Projects

- Free

Benefit to Teachers

- Improvement in Standardized Test Scores

- Opportunity to earn CPDUs

- Teaching Stipends for Teaching Bridge

- Coaching stipends for Creating Bridge Clubs

- Interscholastic Competition

- Promote STEM Education Goals

- Free

- Learn a wonderful game, acquire a new hobby and meet new people

Math Application Examples

Number Relationship

A-K-Q-J-T-9-8-7-6-5-4-3-2
Highest   Lowest

Points are Awarded to the High Cards (called 'Honor Cards') Based Upon their Relative Strength

High Card Points (HCP)
Ace = 4   King = 3   Queen = 2   Jack = 1

Math Application Examples

Simple Addition

♠AQ43   ♥QJT8   ♦54   ♣A42

　4+2　　　+2+1　　　　　　+4

In this hand you have 13 HCP (High Card Points)

Math Application Examples

Simple Division

There are 52 cards in a Deck of Playing Cards and Four Suits.

How many cards are in each suit?

52/4 = 13 cards in each suit

Math Application Examples

Simple Multiplication

If the honor cards are assigned a value of
Ace=4   King=3   Queen=2   Jack=1

And there are four suits how many High Card Points (HCP) are there in each deck of cards?

4 + 3 + 2 + 1 = 10 HCP in each of four suits
10 x 4 = 40 HCP

Math Application Examples

Algebraic Expression of Scoring

$S = ((N-T)*P) + B$

Where:
S= Score   **N**= Number of Tricks Won   **T** = Tricks that do not Get Points (Book)
P= Per Trick Score of Trump Suit   **B**= Bonus for making contract

Contract: 4♠   Result: +5 Vulnerable

$S = ((11-6)*30)+500$

$S = (5*30)+500$

$S = (150)+500$

$S = 650$

Math Application Examples

Deductive Reasoning

- There are 40 points in a deck of cards

- I opened the bidding and have 14 points.

- My left hand opponent bid and must have at least 10 points.

- My partner raised to three and must have 10 to 12 points.

- My right hand opponent cannot have more than 6 points.

Math Application Examples

Inductive Reasoning

- There are thirteen hearts in a deck of cards.

- My partner and I have eight hearts between our two hands.

- Our opponents have five hearts between their two hands.

- The expected distribution is that the five hearts will be split three in one hand, two in the other hand.

Math Application Examples

Suit Distribution Calculation

•There are 13 cards in each suit.

•My partner and I (North and South) have eight hearts between our two hands.

•Our opponents (East and West) have five hearts to share between their two hands.

•What is the probability that the five cards will be split three in one hand, two in the other hand?

Chances: West Q 13/26	**Split 3-2**	Chances: East 5 13/23
3 12/25	**Q32 West**	4 12/22
2 11/24	**54 East**	

13/26 * 12/25 * 11/24 * 13/23 * 12/22 = .678

The remaining cards will split three in one hand two in the other 67.8% of the time.

Language Skills

Bidding Contains the Skills Used in Learning and Using Language

- Building a vocabulary
- Expressing ideas within a given framework
- Recognition of how the component parts convey a message and accomplish your purpose
- Listening and understanding the information provided by your partner and opponents as they bid
- Speak, listen and react appropriately to information

Social Skills

Learning and Playing Bridge Provides Structure and Practice in the Development of Social Skills

- Listening
- Teamwork
- Etiquette
- Concentration
- Dealing with others of a different age
- Working within rules and boundaries
- Dealing with winning and losing

Benefit to Students

Learning and Playing Bridge Can Provide Many Benefits to Your Students

- **Fun** - Bridge gives them a chance to hangout, play with their friends and make new friends.

- **Intellectual** - Bridge can help improve academic performance.

- **Sportsmanship** - Your child will learn how to be a good winner and a good loser.

- **New Experiences** - Bridge broadens your child's horizons on social and material levels.

- **Competition** - No one sits on the sidelines. Every game, your child will have an opportunity to compete.

- **Safety** - Bridge provides a safe, secure environment for your child to meet and play with friends.