

# Cooperation Skills

## Social Skills

- Accepting a compliment
- Active listening
- Accepting decisions
- Agreeing
- Asking for help
- Asking questions
- Being honest
- Building on others ideas
- Checking for understanding
- Clarifying ideas
- Coming to consensus
- Compassion
- Compromise
- Contributing your ideas
- Criticizing an idea, not a person
- Decision making
- Departing
- Disagreeing appropriately
- Elaborating
- Encouraging contributions
- Encouraging others
- Expressing an opinion
- Following directions
- Giving reasons
- Greeting others
- Leading
- Making friends
- Making sure everyone understands
- Negotiating
- Offering help
- Patience
- Praising
- Problem solving
- Providing clarification
- Quiet voices
- Respecting differences
- Responsibility
- Sharing
- Staying on task
- Taking turns
- Tolerance
- Working together

# Community Partners

## Donation

- Thanks to Bates Container for donating the cardboard

## CISD

- Administrative support
- Teacher support
- Aquatics Center

## Parent Volunteers

- Volunteer coordinator
- Model boat makers at home
- Blueprint experts
- Cardboard cutters
- Boat building days
- Boat decorating
- Costume designs
- Snack providers
- Event helpers

## Durham Elementary Students

- Community pride
- Respect for the materials and boats
- Shared enthusiasm



From what the mind can dream  
To  
What the human can build

# DES Cardboard Boat Regatta

*Fun for Everyone!*



Creativity



Cooperation



## Science Concepts

### Field and Laboratory Investigations

- Demonstrate safe practices during field and laboratory investigations
- Make wise choices in the use and conservation of resources and the disposal of recycling of materials

### Scientific Inquiry

- Plan and implement investigations: asking questions, formulating testable hypotheses, & selecting and using equipment and technology
- Collect Information - observe and measure
- Construct graphs, tables, and charts

### Critical Thinking, Problem Solving, and Decision-Making Skills

- Use models and identify their limitations

### Tools

- Use calculators, rulers, and balances
- Demonstrate that repeated investigations may increase the reliability of results

### Systems

- Predict and draw conclusions about what happens when part of a system is removed

### Patterns and Change

- Certain characteristics of an object can remain constant even when the object is rotated, translated, or reflected

### Matter and Energy

- Conduct tests, compare data, and draw conclusions about physical properties of matter including density and buoyancy

### Events over Time

- Identify and observe effects of events that require time for changes to be noticeable including dissolving and weathering

## Mathematics Concepts

### Problem Solving

- Solve real-life problems
- Solve multi-step problem solving

### Communication

- Team decision-making

### Reasoning

- Using critical thinking
- Using logical thinking

### Connections

- Converting space figures to plane figures and vice versa
- Using scale drawings
- Using perimeter and area formulas

### Number and Number Relationships

- Estimating and measuring angles

### Algebra

- Use proportional relationships
- Using perimeter, area, surface area, and volume formulas

### Measurement

- Selects and uses appropriate units and procedures to measure mass and capacity
- Estimate mass using pounds
- Measuring to find perimeter, area, surface area, and volume

### Geometry

- Identifies lines and shapes using formal geometric language
- Describing the effects on perimeter, area, volume, when length, width, or height of a 3-dimensional object is changed



## Language Arts Concepts

### Listening

- Eliminate barriers to effective listening
- Understand the major ideas and supporting evidence in spoken messages

### Speaking

- Demonstrate effective communication skills

### Writing

- Write to express, discover, record, develop, reflect on ideas, and to problem solve

## Notebooking

### Organizing

- Table of contents
- Tabs
- Table of contents
- New words

### Establishing Notebooking Habits

- Date
- Heading

### Recording

- Questions
- Hypothesis
- Materials
- Charts and graphs
- Observations
- Conclusions
- Revisions
- Labeled technical drawings
- Reflections
- Notes
- Lists