Pitt County Schools
Mathematics - 21st Century Themes & Skills
Algebra I (20232C)

Math Strands	Number and Operations Goal One: *The learner will perform operations with numbers and expressions to solve problems.*	Geometry and Measurement Goal Two: *The learner will describe geometric figures in the coordinate planealgebraically.*	Data Analysis and Probability Goal Three: *The learner will collect, organize, and interpret data with matrices and linear models to solve problems.*	Algebra Goal Four: *The learner will use relations and functions to solve problems.*
21st Century Themes	Global Awareness • Financial, Economic, Business & Entrepreneurial Literacy • Civic Literacy • Health Literacy • Environmental Literacy •	Global Awareness • Financial, Economic, Business & Entrepreneurial Literacy • Civic Literacy • Health Literacy • Environmental Literacy •	Global Awareness • Financial, Economic, Business & Entrepreneurial Literacy • Civic Literacy • Health Literacy • Environmental Literacy •	Global Awareness • Financial, Economic, Business & Entrepreneurial Literacy • Civic Literacy • Health Literacy • Environmental Literacy •
21st Century Skills	**Creativity & Innovation** Think Creatively • 1.01, 1.02, 1.03 Work Creatively with Others • 1.01, 1.02, 1.03 Implement Innovations • 1.01, 1.02, 1.03	**Creativity & Innovation** Think Creatively • 2.01, 2.02 Work Creatively with others • 2.01, 2.02 Implement Innovations • 2.01, 2.02	**Creativity & Innovation** Think Creatively • 3.01, 3.02, 3.03 Work Creatively with others • 3.01, 3.02, 3.03 Implement Innovations • 3.01, 3.02, 3.03	**Creativity & Innovation** Think Creatively • 4.01, 4.02, 4.03, 4.04 Work Creatively with Others • 4.01, 4.02, 4.03, 4.04 Implement Innovations • 4.01, 4.02, 4.03, 4.04
21st Century Skills	**Critical Thinking & Problem Solving** *Reason Effectively* • 1.01, 1.02, 1.03 *Use Systems Thinking* • 1.01, 1.02, 1.03 *Make Judgments &*	**Critical Thinking & Problem Solving** *Reason Effectively* • 2.01, 2.02 *Use Systems Thinking* • 2.01, 2.02 *Make Judgments & Decisions*	**Critical Thinking & Problem Solving** *Reason Effectively* • 3.01, 3.02, 3.03 *Use Systems Thinking* • 3.01, 3.02, 3.03 *Make Judgments & Decisions*	**Critical Thinking & Problem Solving** *Reason Effectively* • 4.01, 4.02, 4.03, 4.04 *Use Systems Thinking* • 4.01, 4.02, 4.03, 4.04 *Make Judgments & Decisions*

	Decisions • 1.01, 1.02, 1.03 *Solve Problems* • 1.01, 1.02, 1.03	• 2.01, 2.02 *Solve Problems* • 2.01, 2.02	• 3.01, 3.02, 3.03 *Solve Problems* • 3.01, 3.02, 3.03	• 4.01, 4.02, 4.03, 4.04 *Solve Problems* • 4.01, 4.02, 4.03, 4.04
21st Century Skills	**Communication & Collaboration** *Communicate Clearly* • 1.01, 1.02, 1.03 *Collaborate with Others* • 1.01, 1.02, 1.03	**Communication & Collaboration** *Communicate Clearly* • 2.01, 2.02 *Collaborate with Others* • 2.01, 2.02	**Communication & Collaboration** *Communicate Clearly* • 3.01, 3.02, 3.03 *Collaborate with Others* • 3.01, 3.02, 3.03	**Communication & Collaboration** *Communicate Clearly* • 4.01, 4.02, 4.03, 4.04 *Collaborate with Others* • 4.01, 4.02, 4.03, 4.04
21st Century Skills	**Information Literacy** *Access & Evaluate Information* • 1.01, 1.02, 1.03 *Use & Manage Information* • 1.01, 1.02, 1.03	**Information Literacy** *Access & Evaluate Information* • 2.01, 2.02 *Use & Manage Information* • 2.01, 2.02	**Information Literacy** *Access & Evaluate Information* • 3.01, 3.02, 3.03 *Use & Manage Information* • 3.01, 3.02, 3.03	**Information Literacy** *Access & Evaluate Information* • *Use & Manage Information* • 4.01, 4.02, 4.03, 4.04
21st Century Skills	**Media Literacy** *Analyze Media* • *Create Media Products* •	**Media Literacy** *Analyze Media* • *Create Media Products* •	**Media Literacy** *Analyze Media* • *Create Media Products* • 3.01, 3.02, 3.03	**Media Literacy** *Analyze Media* • *Create Media Products* • 4.01, 4.02, 4.03, 4.04
21st Century Skills	**ICT Literacy** *Apply Technology Effectively* • 1.01, 1.02, 1.03	**ICT Literacy** *Apply Technology Effectively* • 2.01, 2.02	**ICT Literacy** *Apply Technology Effectively* • 3.01, 3.02, 3.03	**ICT Literacy** *Apply Technology Effectively* • 4.01, 4.02, 4.03, 4.04
21st Century Skills	**Flexibility & Adaptability** *Adapt to Change* • 1.01, 1.02, 1.03 *Be Flexible* • 1.01, 1.02, 1.03	**Flexibility & Adaptability** *Adapt to Change* • 2.01, 2.02 *Be Flexible* • 2.01, 2.02	**Flexibility & Adaptability** *Adapt to Change* • 3.01, 3.02, 3.03 *Be Flexible* • 3.01, 3.02, 3.03	**Flexibility & Adaptability** *Adapt to Change* • 4.01, 4.02, 4.03, 4.04 *Be Flexible* • 4.01, 4.02, 4.03, 4.04

21st Century Skills	**Initiative & Self-Direction** *Manage Goals & Time* • 1.01, 1.02, 1.03 *Work Independently* • 1.01, 1.02, 1.03 *Be Self-directed Learners* • 1.01, 1.02, 1.03	**Initiative & Self-Direction** *Manage Goals & Time* • 2.01, 2.02 *Work Independently* • 2.01, 2.02 *Be Self-directed Learners* • 2.01, 2.02	**Initiative & Self-Direction** *Manage Goals & Time* • 3.01, 3.02, 3.03 *Work Independently* • 3.01, 3.02, 3.03 *Be Self-directed Learners* • 3.01, 3.02, 3.03	**Initiative & Self-Direction** *Manage Goals & Time* • 4.01, 4.02, 4.03, 4.04 *Work Independently* • 4.01, 4.02, 4.03, 4.04 *Be Self-directed Learners* •
21st Century Skills	**Social & Cross-Cultural Skills** *Interact Effectively with Others* • 1.01, 1.02, 1.03 *Work Effectively in Diverse Teams* • 1.01, 1.02, 1.03	**Social & Cross-Cultural Skills** *Interact Effectively with Others* • 2.01, 2.02 *Work Effectively in Diverse Teams* • 2.01, 2.02	**Social & Cross-Cultural Skills** *Interact Effectively with Others* • 3.01, 3.02, 3.03 *Work Effectively in Diverse Teams* • 3.01, 3.02, 3.03	**Social & Cross-Cultural Skills** *Interact Effectively with Others* • 4.01, 4.02, 4.03, 4.04 *Work Effectively in Diverse Teams* • 4.01, 4.02, 4.03, 4.04
21st Century Skills	**Productivity & Accountability** *Manage Projects* • 1.01, 1.02, 1.03 *Produce Results* • 1.01, 1.02, 1.03	**Productivity & Accountability** *Manage Projects* • 2.01, 2.02 *Produce Results* • 2.01, 2.02	**Productivity & Accountability** *Manage Projects* • *Produce Results* • 3.01, 3.02, 3.03	**Productivity & Accountability** *Manage Projects* • *Produce Results* •
21st Century Skills	**Leadership & Responsibility** *Guide & Lead Others* • 1.01, 1.02, 1.03 *Be Responsible to Others* • 1.01, 1.02, 1.03	**Leadership & Responsibility** *Guide & Lead Others* • 2.01, 2.02 *Be Responsible to Others* • 2.01, 2.02	**Leadership & Responsibility** *Guide & Lead Others* • 3.01, 3.02, 3.03 *Be Responsible to Others* • 3.01, 3.02, 3.03	**Leadership & Responsibility** *Guide & Lead Others* • 4.01, 4.02, 4.03, 4.04 *Be Responsible to Others* • 4.01, 4.02, 4.03, 4.04