

Title	Key	Related	Global	SOI	ATL	Criterion	Content
Number Systems and Operations	Connections	Patterns and Representation	Systems	Representations of number patterns form critical mathematical connections through systems.	In order for students to communicate effectively, they must develop subject-specific skills and knowledge through collaboration and information literacy.	A: Knowing and understanding i,ii,iii C: Communicating i, ii, ii, iv	Students will use knowledge of integer operations and apply that knowledge to real-world situations involving time lines.
Algebraic Reasoning	Logic	Equivalence	Personal and cultural expression: Practice and Competency	Logic and reasoning may lead to an equivalence of understanding through practice and competency	In order for students to investigate patterns and communicate effectively, students must use their communication skills to exchange thoughts, messages and information effectively by giving and receiving meaningful feedback.	B: Investigating patterns i, ii, iii C: Communicating i, ii, ii, iv	Describe an expression by its number of terms and show how to simplify by evaluating.
Geometric Reasoning	Form	Models, patterns	Orientation in space and time: enhance creativity	Understanding form and shape through the development of models enhances creativity	In order for students to know and understand mathematics in real world contexts, students must use communication skills while reading, writing and using language to organize and depict information logically.	A: Knowing and understanding i,ii,iii D: Applying mathematics in real-life contexts i, ii, iii, iv, v	Graph polygons and find distance on a coordinate plane.
Data Analysis and Probability	Relationships	Representation	Globalization and Sustainability	Understanding relationships through representation helps us navigate global challenges	In order for students to analyze data effectively, they must develop critical thinking skills to interpret and evaluate information accurately.	B Investigating Patterns, i, II, III D. Applying Mathematics in Real-Life Contexts: i, ii, iii, iv	Students will develop effect communication skills by acquiring subject -specific knowledge through collaboration and information literacy.