

LEARNX.CA PDF RESOURCES

High quality at low cost: mathematics, coding, making, science & AI education.

20% discount for bundle of **all 43** resources:
\$435 / school

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“This looks pretty awesome! Thanks to you all for supporting teachers!”

“Check these out. Resources are amazing. Straightforward, easy to follow, and you’ll learn along with your students!”

“Great resources to take back to our class communities.”

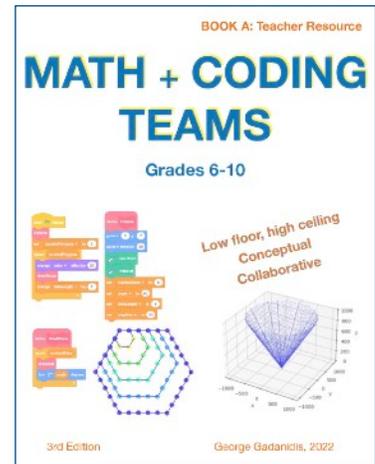


Page	RESOURCES	Pages	Teacher Licence	School Licence
2	Math + Coding Teams, Gr. 6-10	206	\$9	\$29
2	4 Math Lessons Collections, Gr. 6-10 1. Number, 2. Algebra, 3. Geo. & Meas., 4. Data	388	\$29	\$89
3	2 Math + Coding Stories, Gr. K & up 1. Repeating Patterns, 2. Symmetry	56	\$9	\$29
4	3 Math Time Travel Stories, Gr. 4 & up 1. Making 10, 2. Parallel Lines, 3. Sumerian Triples	95	\$15	\$49
5	Math + Coding + Making, Gr. 1-9 1. Math+Coding, 2. Math+Making, 3. Math+Coding	346	\$29	\$89
6	5 Science Stories, Gr. 3 & up 1. New World, 2. Strongest Piggy, 3. Secret Stone, 4. Fire, 5. Broken Spear	97	\$19	\$59
7	6 AI Stories, Gr. 4 & up AI Farm, 2. Meehaneeto, 3. Becoming Human, 4. Robbie, 5. Determinates, 6. In Real Life	285	\$19	\$59
8	19 Math Stories	650	\$45	\$145

MATH + CODING TEAMS, gr. 6-10

\$9 / teacher
\$29 / school

- **Book A: Teacher Resource** (120 pages). Contains: Student Tasks & Teacher Notes (and solutions).
- **Book B: Student Tasks** (56 pages).
- Collaborative team activities
- Extension or enrichment activities
- Starting points for project-based learning
- Low floor & high ceiling design
- Conceptual surprises & insights

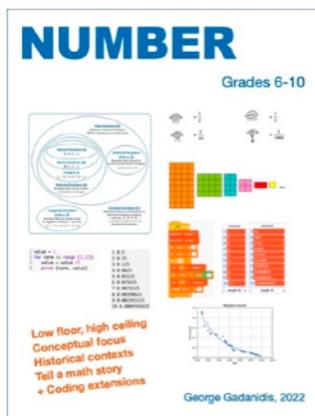


MATH LESSONS COLLECTION, gr. 6-10

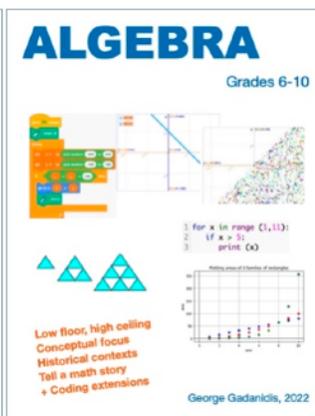
Get all 4:
\$29 / teacher
\$89 / school

- Low floor & high ceiling design
- Historical contexts
- Coding extensions
- Conceptual surprises & insights
- Teacher Notes
- Student Tasks
- Solutions

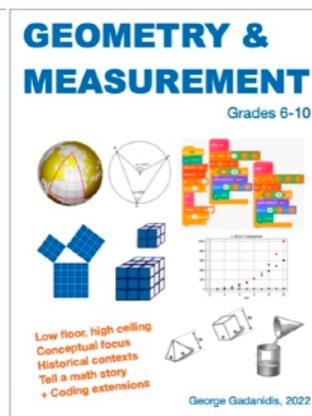
\$9 / teacher
\$19 / school



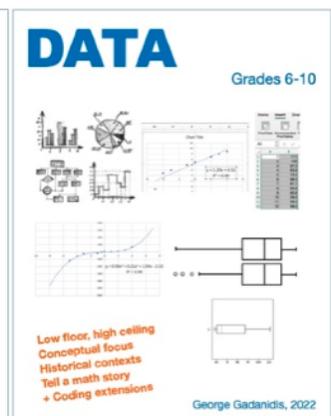
120 pages



104 pages



82 pages



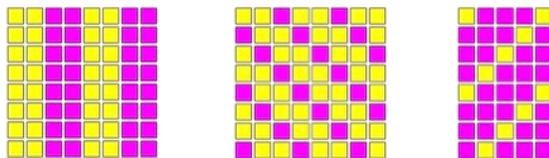
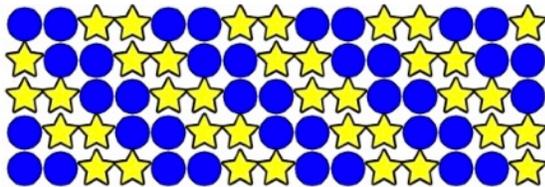
59 pages

MATH + CODING STORIES, gr. K +

Get both stories:
\$9 / teacher
\$29 / school



A retelling of Hansel and Gretel. A story about colour patterns that repeat. Each story page has a question to prompt reflection & discussion. Story comes with Hands-on Activities + a Coding App. 29 pages. Gr. K+



See Gr. 1-3 Lesson Study

At mkn-rcm.ca/repeating-patterns



A story about Symmetry.

Each story page has a question to prompt reflection & discussion.

Story comes with Hands-on Activities + 3 Coding Apps. 27 pages. Gr. 3+

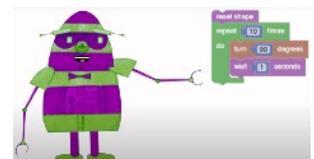
Investigate symmetry as a transformation!

Imagine the 4 rotation symmetries of the square in a sandbox, moving & bumping into one another, and applying their rotations to one another. What will happen?



+ a Wonder Workshop

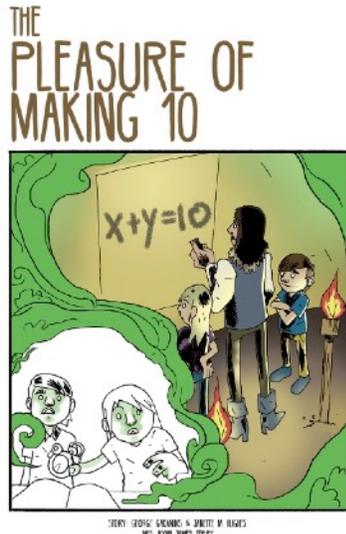
At learnx.ca/symmetry



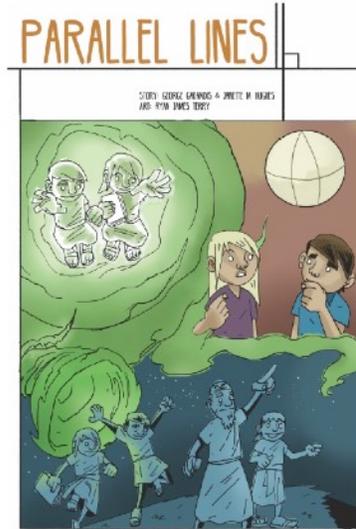
MATH TIME TRAVEL STORIES, gr. 4 +

- Mathematics in historical contexts.
- Molly and Alexander travel back in time in search of their grandfather, and meet mathematicians of the past.

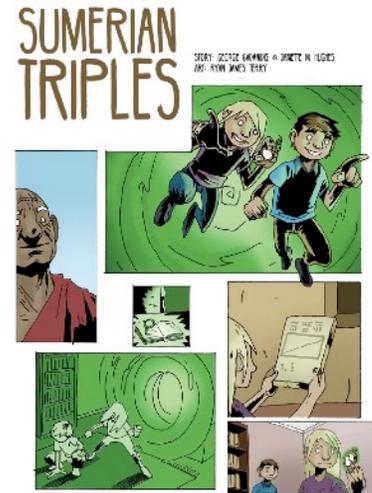
Get all 3 stories:
 \$15 / teacher
 \$49 / school



Meet Rene Descartes and learn about the linking of geometry and algebra. 34 pages. Gr. 6+



Meet Menelaus of Alexandria, who studied the properties of lines on a sphere. 36 pages. Gr. 4+



Meet the Sumerians, who invented what we today call the Pythagorean theorem. 25 pages. Gr. 6+

Discover that parallel lines can meet!

Hands-on
 8 pages of hands-on activities & coding extensions.

Hands-on
 How many degrees in a triangle on a sphere?

Hands-on
 Use Scratch to list & plot Sumerian triples.

SCIENCE STORIES, gr. 4 +

Get all 5 stories:
\$19 / teacher
\$59 / school

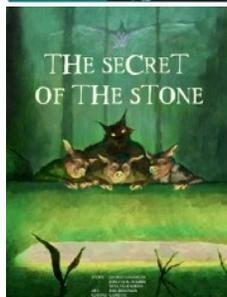
THE NEW WORLD



In *The New World*, a sail boat bumps the **Great Pacific Plastic Dump**. 21 pages. Gr. 3+

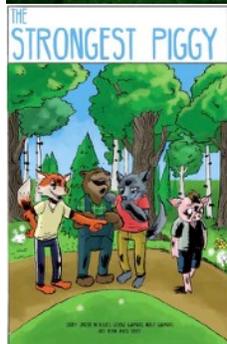
The story draws student attention to big ideas of science by eliciting surprise: "There is a floating plastic dump in the ocean that is the size of Quebec?" "How did this happen?"

With a **Sustainable Growth** coding app.



The 3 Pigs use their knowledge of **buoyancy** & **relative density** to help Wolf lift a heavy stone. 18 pages. Gr. 2+

The story comes with a coding app where students create *science art* based on how relative density and buoyancy affect the motion of objects in various substances.



The Third Piggy was not fast or strong. He could not lift heavy weights like his brother could. He never won races as his sister did.

Bullying awareness

This is also a story about bullying. 20 pages. Gr. 4+



Fire is a story about **friction** and about scientific invention. 18 pages.

In autumn, Arda slipped in the creek while carrying her clan's fire horn. It's now winter and the clan is trying to survive without heat. Gr. 3+



FIRE BROKEN SPEAR



This a story about Arda and Orta learning to spearfish, but keep missing the fish swimming in the river. 20 pages. Gr. 3+

Refraction They notice their spears appear to be broken in the water. How could that be?

Then Arda remembers sledding in the snow.



AI STORIES, gr. 4 +

Get all 6 stories:
\$19 / teacher
\$59 / school

MEEHANEETO

STORY: JANETTE H. BARKS & GEORGE GARDNER
ART: RYAN JAMES TERRY

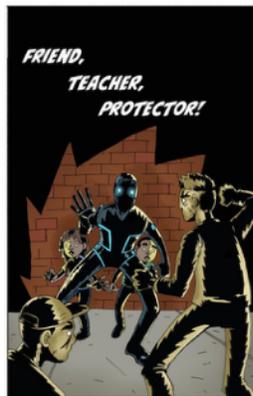


Meehaneeto investigates issues of privacy, ethics and democracy. A wall has separated the Eleuseeto from the Meehaneeto for many, many centuries. But the Meehaneeto are back! With reflection & discussion questions. 68 pages. Gr. 6+



ROBBIE

STORY: GEORGE GARDNER
ART: RYAN JAMES TERRY



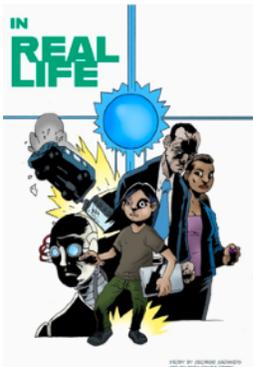
How would life change if you had a live-in robot that served as friend, teacher and protector? Meet Robbie! 18 pages. Gr. 4+

What is predictive AI?
What is its role in our society?
What are issues to consider?
22 pages. Gr. 7+



DETERMINATES

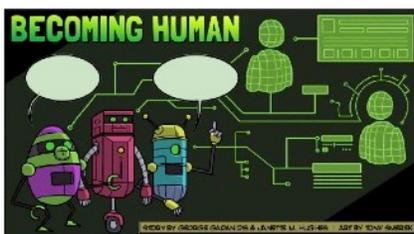
STORY: GEORGE GARDNER & JANETTE H. BARKS
ART: RYAN JAMES TERRY



Katie's mom dies in an accident. But mom's mind is still alive, digitally. What should Katie do? And how does the world deal with a human mind on the Internet? 110 pages. Gr. 7+



What might happen if agbots (agricultural robots) develop AI? 38 pages. Gr. 6+
Comes with a coding app.



Prequel to *Meehaneeto*. Issues of privacy in today's digital world. The ending will surprise you! 34 pages. Gr. 6+



19 MATH STORIES, gr. K-8

Get all 19 stories:
 \$45 / teacher
 \$145 / school

Each story comes in English, French & Spanish.
 Learn math + learn a language.

With a focus on big math ideas, conceptual understanding, and a low floor + high ceiling approach.

With lesson plans, instructional strategies and coding extensions. 650 pages.

Something Odd

The First Piggy's Math Adventure with Big Bad Wolf



Smart Division

Who's the Big Bad Wolf?

A Math Fairy Tale



Making 10 - Stage 1

Hoodie's Math Adventure with Big Bad Wolf

To Infinity and Beyond

The real story of Rapunzel



Making 10 - Stage 2

Hoodie's Second Math Adventure With Big Bad Wolf

Add it Up!

The Boy who cried "Wolf" meets Wolf in sheep's clothing



Math Trains

Smart Multiplication

Fox gets the grapes!



Math Waves



Scary Patio Patterns

Piggy and Wolf solve another math problem



Big party, Small party

Little Bear helps plan a party that's just right



Wolf gets Hurt!

The Third Piggy Sets a Trap for Big Bad Wolf



Do Parallel Lines Meet?

The Second Piggy's Math Adventure with Big Bad Wolf



Mirror, Mirror



How Big is a Billion?



Why do Elephants have Big Ears?

Hoodie has another math adventure with Big Bad Wolf



Tortoise & Hare Hop to the Pond

The Rematch!



How left-handed are you?

