Outcomes

1. Review key elements of Literacy and Mathematics Standards

2. Determine resources that will support PBL

3. Access platforms, apps, and tools
Grade Specific Standards Books

www.ilclassroomsinaction.org
English Language Arts Standard Shifts

Engage with Complex Text

Extract and Employ Evidence

Build Knowledge

Reading and Speaking & Listening

Writing and Language

Content Area Standards
Students who are college and career ready in Literacy: reading writing, speaking, listening and language

1. Demonstrate independence
2. Build strong content knowledge
3. Respond to the varying demands of audience, task, purpose, and discipline
4. Comprehend as well as critique
5. Value evidence
6. Use technology and digital media strategically and capably
7. Understand other perspectives and cultures
Learning Habits

ELA:
• All students read and comprehend differently requiring different strategies of support.
• Teachers should model how to navigate difficult or complex text.
• Students should have time to read and write about texts they enjoy.
• We must provide opportunities for students to productively struggle and build stamina.
Literacy Resources Aligned to the Standards

www.ilclassroomsinaction.org

www.illinoisliteracyinaction.org
Resources to Support Standards

Resource:  www.illinoisliteracyinaction.org
Select Grade Level
Select Mentor Texts or Standards Bookmarks
Example: PBL in the Primary Grades

1. What is an insect?
2. How do you know a ladybug is an insect?
3. Why are ladybugs important?
4. Why are insects important?

https://tiie.w3.uvm.edu/blog/project-based-learning-in-the-primary-grades/#.XG1491xKjIU
Resources for Reading/Listening

Websites for Texts
• Newsela
• CommonLit
• Wonderopolis
• Common Sense Media
• ProCon.org
• ReadWorks
• Beyond Penguins and Polar Bears

Podcasts
• The Past & The Curious (History)
• Tumble (Science)
• Radio Adventure of Dr. Floyd (Old time radio + fun history)
• Ear Snacks (Music & Culture)
• Book Club for Kids
• But Why? (Led by kids)
Resources for Listening/Viewing

Indianapolis Library
BitsBoard
StorylineOnline
Listenwise
Aquariums:
  Monterey Bay
  Shedd

https://www.indypl.org/blog/for-parents/free-video-read-alouds
http://bitsboard.com/
http://www.storylineonline.net/
https://listenwise.com/
Resources for Writing

Book creation:
  Write Reader
  Storybird
Journals
  Padlet
Picture Reports/Bulletin Boards
  Pobble365
Reports:
  Google Add Ons
    Trends
    Translate
    Voice Typeing

https://www.writereader.com/en
https://storybird.com/educators/
www.padlet.com
http://www.pobble365.com
https://drive.google.com
Resources for Presenting

- Book Talks
- Conferences
- Peer Discussion
- Sentence Frames

App store: My Talking Avatar

http://bit.ly/2KpaRTg

http://www.voki.com/
Quick Challenge

16= O in a P
24=H in a D
12=M in a Y
4= A in a Q
Standards for Mathematical Practice:

1. Make sense of problems and persevere in solving them.
2. Reason abstractly and quantitatively.
3. Construct viable arguments and critique the reasoning of others.
4. Model with mathematics.
5. Use appropriate tools strategically.
6. Attend to precision.
7. Look for and make use of structure.
8. Look for and express regularity in repeated reasoning.
Math Resources Aligned to the Standards

www.ilclassroomsinaction.org

Welcome to Illinois Math Teachers in Action

www.mathteachersinaction.org

https://www.youcubed.org/tasks/the-four-4s/

Illinois State Board of Education
Building Relationships with Students

Every interaction with a student is a chance to build environments where trust is the norm.

Be present whenever you are with students.

Make mistakes and allow students to offer corrects.
Math Games

• Support fact practice
• Encourage mathematical thinking
• Build mathematics confidence
Krypto

- Deal out 5 cards, and then a 6th target card.
- You will then have 1-2 minutes to create a number sentence using as many of the 5 cards as you can.
Name That Number

- This is small group Krypto
- The dealer deals out 5 cards to each player
- The dealer then puts the 6th card, the target card, in the middle
Name That Number

• All of the players try to create the target number using as many of their cards as they can.
• Each player creates a pile of the cards they were able to use to create the target number and the rest are put back in the deck for the next turn.
Resources:

YouCubed (https://www.youcubed.org/): A website from Jo Boaler, a Stanford University Math Specialist, with links for Teachers, Students, Parents and Administrators. This website contains research, videos, tasks/lessons, and lots more material. Check out Polymachines for Grades 1-12.

Crazy 8s Club (http://bedtimemath.org/crazy-8s-for-educators/): Crazy 8s is an after-school math club designed to get kids fired up about math. Every week Crazy 8ers build stuff, run and jump, make music, make a mess... all while bonding with new friends over math.

Illuminations (https://illuminations.nctm.org/): Created by the National Council of Mathematics, has games and brain teasers for grades K – 12. Be sure to check out Krypto.

Greg Tang’s Website (https://gregtangmath.com/games): This website has great games, puzzles, and suggestions to support mathematical thinking. Start with Kakooma and 10-Pin Limbo.


Mathwire (http://www.mathwire.com/games/games.html): Online games arranged by topic, such as number sense and geometry
Resources:


Name That Number ([http://everydaymath.uchicago.edu/about/understanding-em/games/name-that-number.html](http://everydaymath.uchicago.edu/about/understanding-em/games/name-that-number.html))


Fun Brain ([https://www.funbrain.com/games](https://www.funbrain.com/games)): Online Games for grades K – 8

How to modify a deck of cards to have larger numbers: [http://www.emwiscconsin.com/EM%20Resources/Tips%20and%20Tricks/How%20to%20Turn%20a%20Regular%20Deck%20of%20Cards%20into%20an%20EM%20Deck.pdf](http://www.emwiscconsin.com/EM%20Resources/Tips%20and%20Tricks/How%20to%20Turn%20a%20Regular%20Deck%20of%20Cards%20into%20an%20EM%20Deck.pdf)

Other great games to have on hand:
SET, Cribbage, Quirkle, Sudoku, Kenken, Witzle, Rat-a-Tat Cat, Knockout and Muggins, Yahtzee, Chess, Othello, Dominoes, Tri-Ominos
Technology Resources Aligned to the Standards

www.ilclassroomsinaction.org

www.ilclassroomtech.weebly.com
Further Support

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• Sue Mainville
  • samainv@ilstu.edu