



PROJECT BASED LEARNING (PBL)

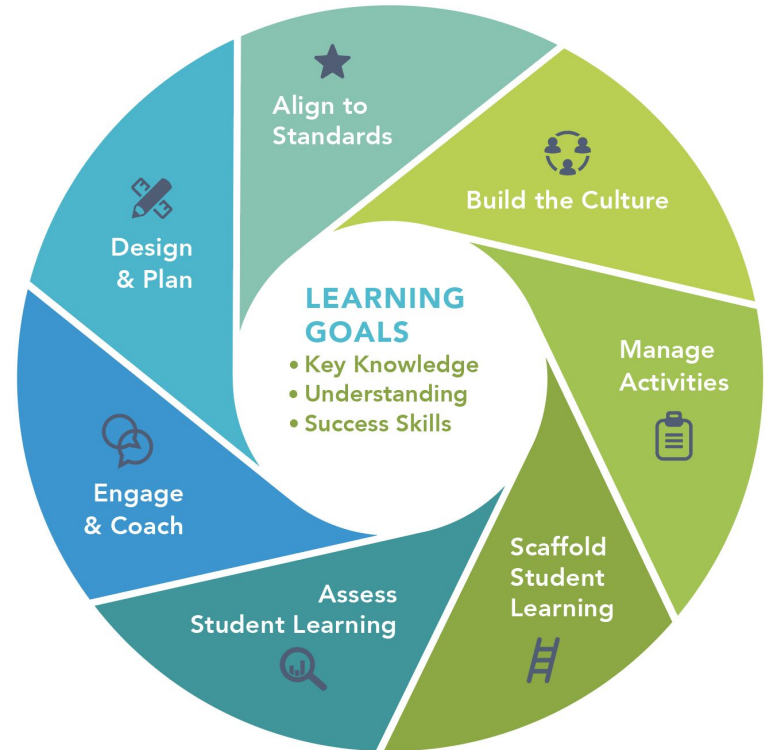
LESLIE PAYNTER & MARY BETH TUCKER

WHAT IS PBL?



- A teaching method where students learn by **ACTIVELY** engaging in real-world and personally meaningful projects
 - Teachers make learning come alive for students!
- Students work on a project for an extended amount of time (usually a semester)
 - Develop deep content knowledge, critical thinking, and communication skills
- Projects are integrated with Social Studies and Science standards

Gold Standard PBL

Seven Project Based Teaching Practices



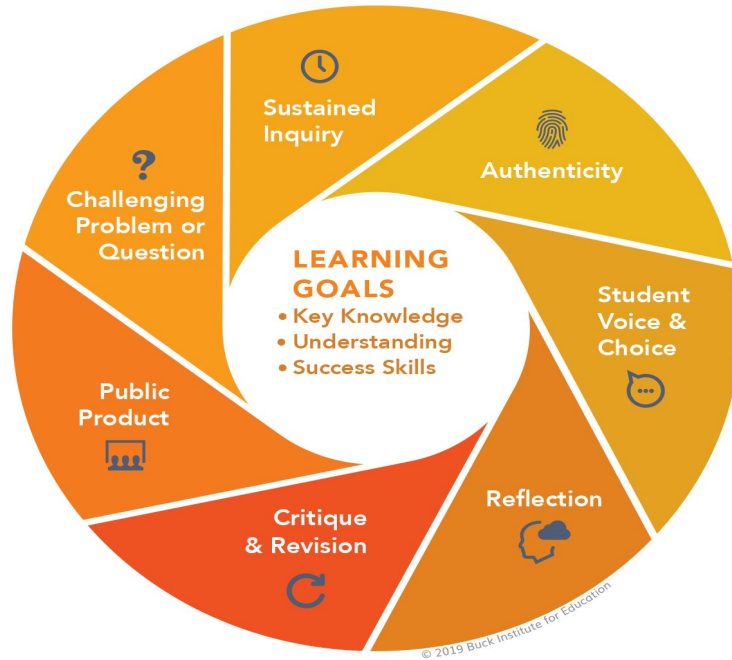
HOW DOES PBL DIFFER FROM DOING A PROJECT?

DESSERT "DOING A PROJECT"	 MAIN COURSE PROJECT BASED LEARNING 
An add-on to the traditional instruction; at the end (or alongside) of the unit	Instruction integrated into the project (The project is the unit!)
Follows direction of the teacher	Driven by student inquiry
Focused on product	Focused on product and process
Often unrelated to standards and skills	Aligned to academic standards and success skills
Can be completed alone and/or at home	Involves collaboration with students and in-class guidance from teacher
Remains within the school world	Has a real-world context and application
End result of project displayed in the classroom	Results of project shared beyond the classroom with a public audience

DESIGNING A PROJECT

Gold Standard PBL

Seven Essential Project
Design Elements



To Learn more about the 7 essential elements:

<https://www.pblworks.org/blog/gold-standard-pbl-essential-project-design-elements>

WHAT DOES PBL "LOOK LIKE" IN THE CLASSROOM?



PROJECT PLANNING

- [Project Planning Form - Example 1 - Blank Copy](#)
- [Project Work Planning Form - Example 1 - Kindergarten All About Me](#)
- [PBL Works Planning Form](#)

PROJECT WORK: BUILDING

COMMUNITY—FIRST TRIMESTER PROJECT &

BEYOND...

K - 3 NC SOCIAL STUDIES ESSENTIAL STANDARDS

KINDERGARTEN:

K.C&G.1.1: Exemplify positive relationships through fair play and friendship.

- K.C&G.1: Understand the roles of a citizen.
- K.C&G.1.2: Explain why citizens obey rules in the classroom, school, home and neighborhood.

FIRST GRADE:

1.C&G.1: Understand the importance of rules.

- 1.C&G.1.1: Explain why rules are needed in the home, school and community.
- 1.C&G.1.2: Classify the roles of authority figures in the home, school and community (teacher, principal, parents, mayor, park rangers, game wardens, etc).
- 1.C&G.1.3 Summarize various ways in which conflicts could be resolved in homes, schools, classrooms and communities.

SECOND GRADE:

2.C&G.2: Understand the roles and responsibilities of citizens.

- 2.C&G.2.1: Exemplify characteristics of good citizenship through historical figures and everyday citizens.
- 2.C&G.2.2: Explain why it is important for citizens to participate in their community.

THIRD GRADE:

3.C&G.2: Understand how citizens participate in their communities.

- 3.C&G.2.1: Exemplify how citizens contribute politically, socially and economically to their community.
- 3.C&G.2.2: Exemplify how citizens contribute to the well-being of the community's natural environment.
- 3.C&G.2.3: Apply skills in civic engagement and public discourse (school, community)

POSSIBLE DRIVING QUESTIONS:

- ★ HOW CAN WE BUILD A KIND COMMUNITY?
- ★ WHAT DOES IT MEAN FOR PLAY TO BE INCLUSIVE?
- ★ HOW CAN A PLAYGROUND & OUTDOOR CLASSROOM SPACES FOSTER KINDNESS AND INCLUSION WITHIN OUR COMMUNITY?

IS THERE ONE K - 3 PROJECT THAT
COULD ENCOMPASS BUILDING A KIND
COMMUNITY?

ACS OUTDOOR VIDEO



DESIGN A PLAYGROUND & OUTDOOR CLASSROOM SPACES

- Students could investigate the importance of different types of play,
- They could learn more about how these opportunities allow children to grow physically and emotionally.
- What is needed to create good & inclusive outdoor classroom spaces?
- They could examine the concept of inclusion.
- How do we create a kind and inclusive classroom? School? Community?
- Students could observe the wide variety of differences that might make someone feel excluded.
- Students can recognize & discuss what are the actions we can take to prevent exclusive practices.
- Students can discuss the concepts of teasing and bullying.
- What are the differences between bullying and teasing.
- What playground structures and components foster inclusion?
- What type of furniture is needed for outdoor classrooms? Seasonal classrooms? Outdoor classrooms that could be used all year?
- Students can construct playground “blueprints” to construct an innovative and inclusive playground to be built at our new school.

HOW DO WE WORK
SMART AND
INTEGRATE PROJECT
WORK INTO OTHER
SUBJECTS?

INTEGRATING PROJECT WORK INTO THE FIRST SIX WEEKS OF SCHOOL & MORNING MEETING

- Building a classroom/school community
- Rule Creation
- Routines & Procedures
- Safety
- Hopes and dreams
- Kindness
- Empathy
- Inclusion

KINDERGARTEN INTEGRATION

- Science
 - Weather Changes (daily and yearly)
 - Students investigate what types of play & outdoor classroom equipment would be good for all types of weather?
 - Characteristics of living and nonliving things
- Social Studies
 - Maps
 - Classroom and School
 - Roles of a Citizen (1st Six Weeks of School and Morning Meetings)
 - Fair play and friendship
 - Change Over Time
 - Wants vs Needs

FIRST GRADE INTEGRATION

- Science

- Properties of Earth Materials

- Solid rocks, soil, and water

- Ecosystems

- Students could research the types of plants that would grow well on our campus?
 - Students could investigate what we will need to do to care for our spaces?

- Recycling

- How can we use recycled materials for play & learning?

- Social Studies

- Change Over Time

- Maps

- Economics

- Earning Money

- Citizenship

- Importance of rules

- Students could create a list of rules that will be needed for an inclusive and kind outdoor learning and play area

- Conflict/Resolution

SECOND GRADE INTEGRATION

- Science

- Weather

- Compare weather patterns over time

- Students could collect weather related data (temperature, wind direction, wind speed, precipitation) for outdoor learning space/play area?

- Life Cycles

- Habitats

- Social Studies

- Maps

- Humans Interacting with Environment

- Wants vs Needs

- Positive vs Negative Affects

- Roles and Responsibility of Citizens

- Economics - Supply & Demand

- Market Economy/Research

THIRD GRADE INTEGRATION

- Science

- Plants & Soil

- Plant structures and purpose (root, stem, leaves, flowers)
 - Environmental conditions
 - Soil properties and components

- Students could investigate types of plants that would grow around outdoor learning space/play area based on amount of sunlight, average rain, and soil conditions? (using weather data from 2nd grade)

- Landforms

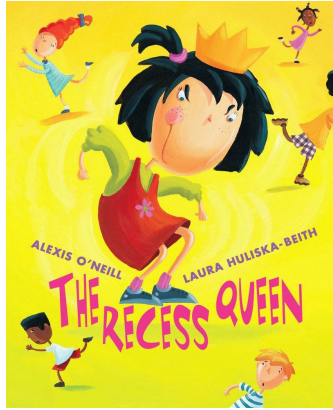
- Social Studies

- Geography and Environment

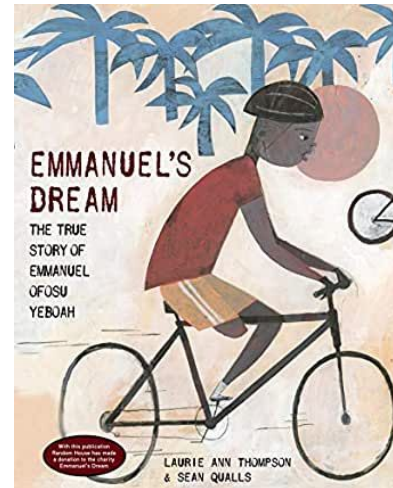
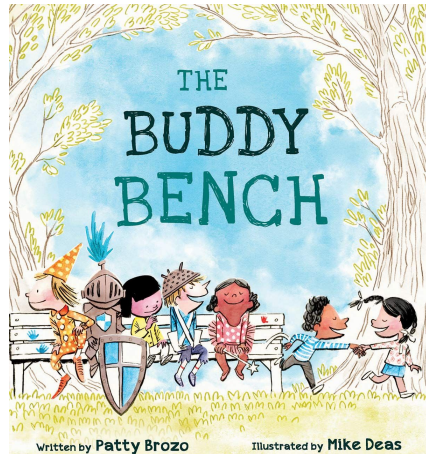
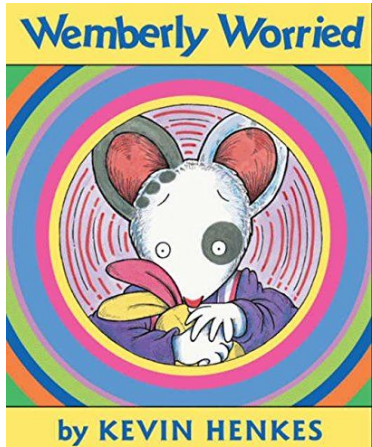
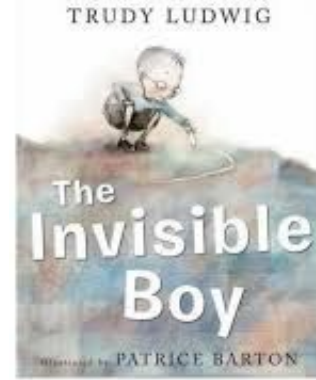
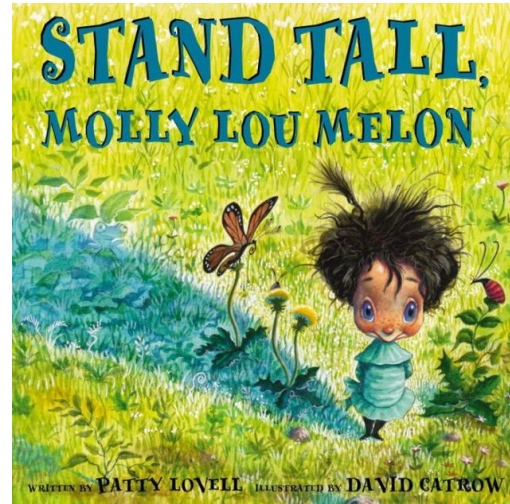
- Adapting to and changing environment to meet needs

- Citizenship/Community

READ ALOUDS



Alexandra Penfold * Suzanne Kaufman



And
many,
many
more...

INTEGRATING PROJECT WORK & COMMUNITY BUILDING INTO INTERACTIVE READ ALOUDS

- [Recess Queen](#) by Alexis O'Neill (Bullying)

READ ALOUD: <https://www.youtube.com/watch?v=jCFEFStY0jQ>

EDUCATOR GUIDE: http://www.alexisoneill.com/uploads/2/9/7/6/29762173/recess_-_teacher_idea_sheet.pdf & http://www.alexisoneill.com/uploads/2/9/7/6/29762173/recess_-_peace_-_acto_of_kindness_sheet.pdf

RESOURCE: <https://greenvilleartspartnership.files.wordpress.com/2011/09/the-recess-queen-lesson.pdf>

- [All Are Welcome](#) by Alexandra Penfold (Inclusiveness)

READ ALOUD: <https://www.readbrightly.com/brightly-storytime-all-are-welcome/>

EDUCATOR GUIDE: <https://firstbook.org/blog/2019/09/12/how-educators-use-all-are-welcome-book-in-the-classroom/>

RESOURCE: <http://www.bookbairn.com/2019/02/touring-picture-book-all-are-welcome.html>

- [The Invisible Boy](#) by Trudy Ludwig (Inclusiveness)

READ ALOUD: <https://youtu.be/okAJ62ia63Q>

EDUCATOR GUIDE: <https://www.teachingbooks.net/media/pdf/YHBA/InvisibleBoy.pdf>

RESOURCE: <http://www.witsprogram.ca/pdfs/schools/books/the-invisible-boy/the-invisible-boy.pdf>

- Wemberly Worried by Kevin Henkes (Great for the first weeks of school)

READ ALOUD: https://www.youtube.com/watch?v=qtcgR3vD1_c

EDUCATOR GUIDE: <https://www.scholastic.com/teachers/lesson-plans/teaching-content/wemberly-worried-lesson-plan/>

RESOURCE: <https://kevinhenkes.com/wp-content/uploads/Wemberly-activitiy-guide.pdf>

- Emmanuel's Dream: The True Story of Emmanuel Ofose Yeboah by Laurie Ann Thompson (Disabilities)

READ ALOUD: <https://www.youtube.com/watch?v=uBhTOSyXizo>

EDUCATOR GUIDE:

<https://lauriethompson.com/wp-content/uploads/2020/05/251881365-Emmanuel-s-Dream-Curriculum-Guide-6.pdf>

RESOURCE: <https://www.readbrightly.com/educator-guide-emmanuels-dream/> &

https://www.teachingbooks.net/book_reading.cgi?id=12140&a=1

- Stand Tall Molly Lou Melon by Patty Lovell (Bullying)

READ ALOUD: <https://youtu.be/foPJbx6cUfo>

EDUCATOR GUIDE: <http://www.spokenartsmedia.com/StudyGuides/Stand%20Tall.pdf>

RESOURCE: <https://www.pinterest.com/projcornerstone/stand-tall-molly-lou-melon/> &

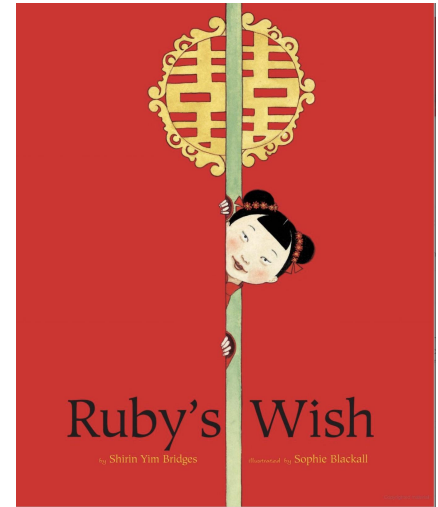
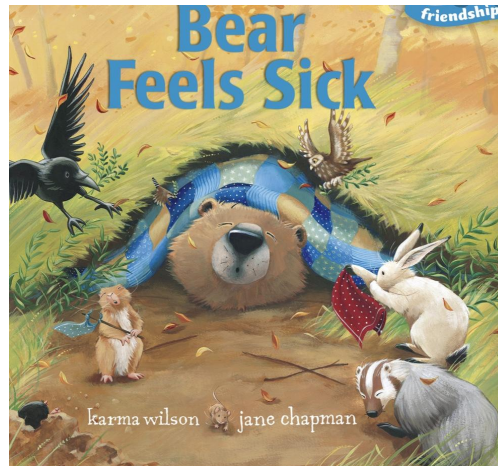
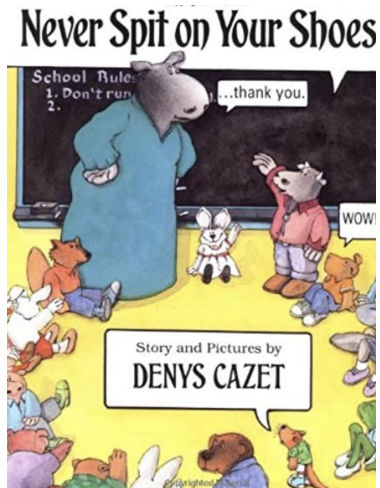
<https://www.teachingbooks.net/media/pdf/Penguin/AntiBullyingBrochure2012.pdf>

- The Buddy Bench by Patty Brozo (Kindness)

BOOK ON EPIC: <https://www.getepic.com/app/read/70531>

COMMUNITY BUILDING READ ALOUDS & LINKS

- [Responsive Classroom Read Aloud Book List](#)
- [Empathy Read Alouds & Links to Lessons](#)



VIRTUAL FIELD TRIPS & ENTRY EVENTS

- **Playgrounds:**

- **VIRTUAL FIELD TRIPS**

- **KOMPAN**

- <https://www.youtube.com/watch?v=JeOAU166V5I>
 - <https://www.youtube.com/watch?v=hcg9Y1LhjIM>
 - <https://www.youtube.com/watch?v=rbDoGB4YX14>
 - <https://www.youtube.com/watch?v=xLTC2Y9mLeQ>
 - <https://www.youtube.com/watch?v=9FzKMxvkXfA>
 - <https://www.youtube.com/watch?v=ibrX97AjYYA>
 - <https://www.youtube.com/watch?v=S19ka23w4bM>
 - <https://www.youtube.com/watch?v=AGJ7xQkvkTI>

- **PLAYSCAPES**

- <http://www.play-scapes.com/play-art/playgrounds-by-artists/gary-webb-squeaky-clean-charlton-park-greenwich-london-2012/>
 - **Top 10 Coolest Playgrounds in the US:** https://www.youtube.com/watch?v=yStFYORO_lE
 - **We could visit different playgrounds & parks and video to show students**



VIRTUAL FIELD TRIPS & ENTRY EVENTS

- **PARKS**

- [PARKS THAT AIM FOR INCLUSIVITY](#)
- [TRADITIONAL PARK PLAYGROUND](#)
- [UNIQUE PARK PLAYGROUND](#)

- **OUTDOOR CLASSROOMS**

- [ELEMENTARY OUTDOOR GARDEN & CLASSROOM](#)
- [HOW TO START AN OUTDOOR CLASSROOM](#)
- [Teacher Talk: Connecting with Nature - Learning in the Outdoor Classroom](#)

- **GARDENS**

- [SIMPLE SCHOOL GARDEN IDEAS FOR ANY SCHOOL](#)
- [REAL SCHOOL GARDENS](#)
- [GARDEN BASED LEARNING](#)

- **COMMUNITY HELPERS:**

- [COMMUNITY HELPERS FIELD TRIP](#)



POSSIBLE GUEST EXPERTS & MORE VIRTUAL TRIPS

- **Landscape Architect**
 - **Designing Playgrounds for Happier, Healthier Kids (Outdoor Spaces)** Ted Talk by Sarah Werner Konradi (she is from NC) : <https://www.youtube.com/watch?v=UZCbNstq2UK>
 - **Soho Parish Nature Playground:** <https://www.youtube.com/watch?v=4CF7OZWSJFk>
- **Playground Planner & Designer**
 - <https://www.youtube.com/watch?v=DCTpDQZUIMl>
- **Industrial Designer - Landscape Structures:** <https://www.youtube.com/watch?v=ZUw8CH6Mxjo>
- **Landscapers**
 - [Beautiful School Garden Ideas](#)
- **Fundraisers**
 - [BOOSTERTHON](#)
- **Environmental Engineers**
- **Playground Experts/Salespeople**
- **Community Helpers**
- **Environmental Engineers**
- **Business Experts**



RESOURCES

- **Leslie's Pinterest Page - Playgrounds & Outdoor Spaces:**
 - [Leslie's Pinterest Board - Playgrounds & Outdoor Spaces](#)

- **Playground Catalogs & Websites:**
 - [KOMPAN](#)
 - [WILLY GOAT](#)
 - [PLAYCORE](#)

- **Outdoor Classrooms Catalogs & Websites:**
 - [NATURE EXPLORE](#)
 - [TINKERGARTEN](#)
 - [OUTDOOR CLASSROOMS](#)



SPECIALS INTEGRATION & POSSIBILITIES

ART

- Self Portraits
- Wind Chimes
- Sun Catchers
- Classroom Flags
- Playground Designs
- Outdoor Classroom Designs



Interactive Read Aloud:
Building Community - Hopes & Dreams - Artistic Talent
[The Dot by Peter H. Reynolds](#)

READ ALOUD:

<https://www.rif.org/literacy-central/material/dot-read-aloud-video>

EDUCATOR'S GUIDE:

https://www.rif.org/sites/default/files/Support_Materials/The-Dot-Teachers-Guide.pdf

RESOURCE:

<https://www.thedotcentral.com/>



MUSIC

- Outdoor Music Walls
- Wind Chimes - Different Materials & Sounds
- School Song
- Songs about community
- Songs about Play & Plants

Interactive Read Aloud:

Building Community - Voice Level and Tone of Voice

[Decibella](#) by Julia Cook

READ ALOUD:

<https://www.youtube.com/watch?v=doVJXWLM13M>

<https://dr>

EDUCATOR'S GUIDE:

https://www.boystownpress.org/samplePDFs/55-030_Decibella%20and%20Her%206-Inch%20Voice-sm.pdf

RESOURCE:

<https://drive.google.com/file/d/oB8DtIUhMGc9gRoN5YTJmQVpfRW8/view>



25 wind chimes
--- for kids ---



PE



- Working As a Team
- Playground Safety
- Playground Equipment
- Playground Games

Interactive Read Aloud:

**Building Community - Hopes & Dreams -
Those Shoes** by Maribeth Boelts

READ ALOUD: <https://vimeo.com/238188004>

EDUCATOR'S GUIDE:

https://www.teachingbooks.net/media/pdf/Candlewick/ThoseShoes_TG.pdf

RESOURCE:

<http://maribethboelts.com/> &

<http://character.org/lessons/lesson-plans/elementary/seminole-elementary-school/>



SCIENCE



- Outdoor Gardens
- Outdoor Science Areas
- Plants
- Weather
- Life Cycle of a Butterfly



Use a pallet as a garden bed - staple garden cloth on the backside of the pallet fill with dirt and start growing!



Creative Ways to
**START A GARDEN USING
KIDDIE POOLS**



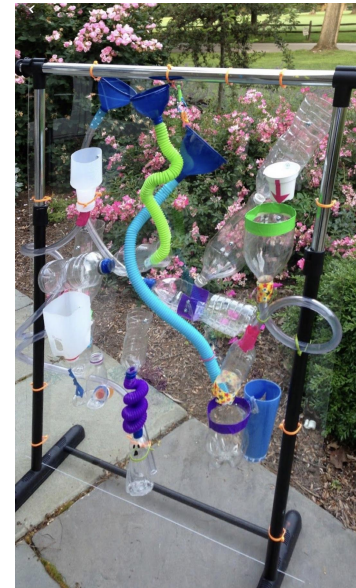
Interactive Read Aloud:

[Building Community - Hopes & Dreams - Gardens](#)
[The Curious Garden](#) by Peter Brown

READ ALOUD: <https://vimeo.com/53757320>

EDUCATOR'S GUIDE: <https://www.perfectionlearning.com/media/isbnpdfs/0316015474.pdf>

RESOURCE: <https://childrenslibrarylady.com/the-curious-garden/>



LEGO/ENGINEERING/MAKER SPACES

- Designing & building a play spaces out of LEGOS, blocks, etc.
- Designing & building a play spaces & equipment out different materials
- Outdoor Building Areas
- LEGO Wall

Interactive Read Aloud:

Building Community - Hopes & Dreams -
Building & Engineering
[Rosie Revere, Engineer](#) by Andrea Beaty

READ ALOUD: <https://www.youtube.com/watch?v=Md6puZmEw4Y> &

<https://www.getepic.com/app/read/70583>

BOOK: <https://www.getepic.com/app/read/49116>

EDUCATOR'S GUIDE:

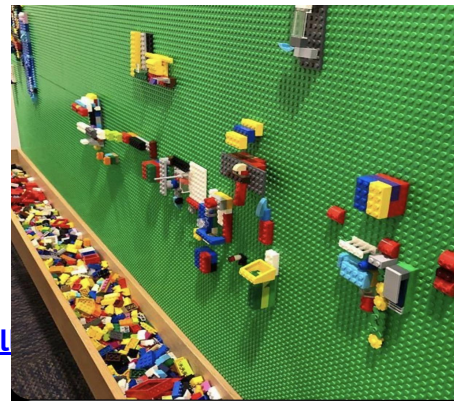
<http://www.andreabeaty.com/rosie-educational-resources.html>

RESOURCE:

https://www.librarysparks.com/wp-content/uploads/2016/06/lsp_learner_mar15.pdf



Open Ended Materials!
Ideas for Outdoor Play & Space



12 WAYS TO REPURPOSE OLD TIRES
FEATURED ON WWW.HEARTARTSNCRAFTS.COM



GRADE LEVEL POSSIBILITIES









setting up your OUTDOOR CLASSROOM

Literacy Outdoors

The Garden Classroom :: NurtureStore



GRADES

3 -

2 OUTDOOR MATHS SCAVENGER HUNT
Using 5 sticks make a shape which has three right angles. What degrees is your other angle?

7 OUTDOOR MATS
Collect 12 leaves following criteria:
1/4 must be yellow green and 25% must be...

MATHS SCAVENGER HUNT

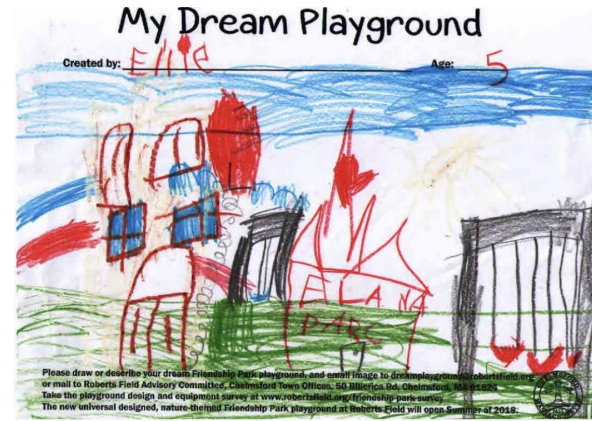
HUNT

NC ACCESS GRANT - YEAR 1



VIRTUAL PROJECT CELEBRATIONS: 2020 - 2021

- **Playground & Outdoor Spaces Designs**
 - Blueprints & Drawings
 - Maps
 - Video of Process
- **Outdoor Classroom Spaces**
 - Blueprints & Drawings
 - Maps
 - Video of Process
 - Virtual Classroom Ribbon Cutting
- **Outdoor Learning Areas**
 - Blueprints & Drawings
 - Maps
 - Video of Process
 - Virtual Ribbon Cutting of Learning Areas



NC ACCESS GRANT - YEAR 2





IN PERSON PLAYGROUND DEDICATION &
RIBBON CUTTING
AUGUST 2021

NC ACCESS GRANT - YEAR 3

