



LEARN MORE

FUTURE FUN ZONE

Primary - Grade 1 - Everyday Materials, Objects, and Structures)

Learning Goals:

- use the research skills and the engineering design process to investigate and design a structure
- explore real-world problem and make connections to other subject areas
- describe the purpose of a structure and identify the types of materials they are made from

Design Challenge

Hop over to a nearby park and become the playground inspector! Swing on the swings, slide down the slides, and jot down all the cool and not-so-cool stuff you notice. Then, unleash your inner playground architect and redesign the space to make it a fun hub for all kids to have a blast with their buddies!

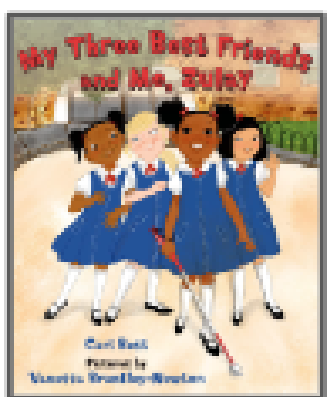
Empathize

- Is the playground fun for all kids?
- Think about those with vision loss, hearing loss, mobility limitations, and sensory sensitivities.
- Is the playground safe?
- What materials are used to make the structure?
- Are their natural materials to play with? (Sand, wood, plants)
- Can these materials hold up to our weather?
- Are there spots kids can trip, slip or fall?

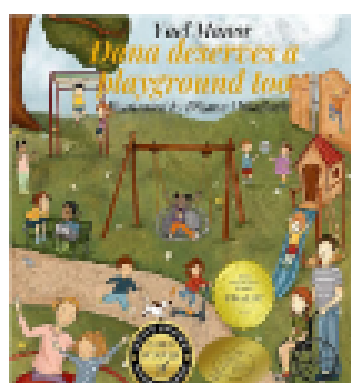
<https://jumpstart.canadiantire.ca/pages/inclusive-play-spaces>



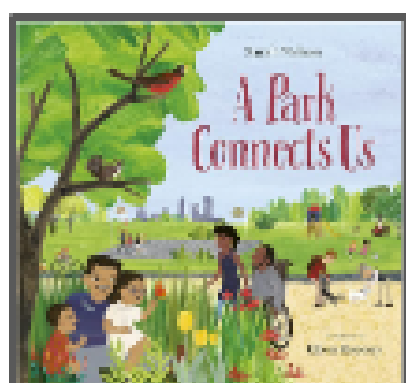
Literacy Connections



My Three Best Friends and Me, Zulay by Cari Best



Dana Deserves a Playground Too by Yael Manor



A Park Connects Us by Sarah Nelson

Teacher Resources

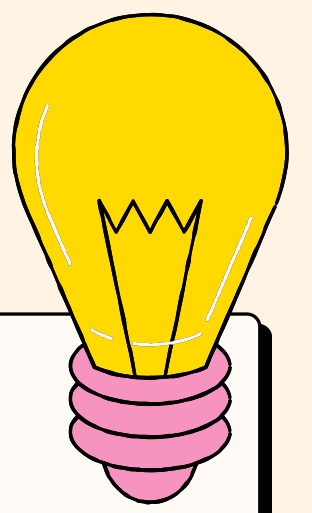
- Grade 1 Science: [Future and Possible Futures TVO Learning Activity](#)
- Grade 1 Math: [Playground Math](#)
- Rick Hansen: [A Guide To Creating Accessible Play Spaces](#)

Innovate It!



Pitch an Advertisement: Playground designers have to pitch their designs before they can be built. Have students present their designs to each other with an advertisement to showcase their playground. This could be created with the [Clips App](#) on the iPad trying to convince the audience to visit the playground.

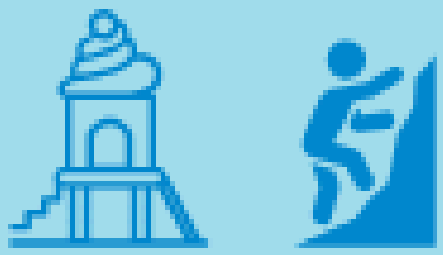
PLAYGROUND PLANNING



Write or doodle your playground loves, pet peeves, and must-haves. Blend your top picks into a super playground creation!

Consider things like...

Activities



Ex. games, sports,
picnic, swings

Location



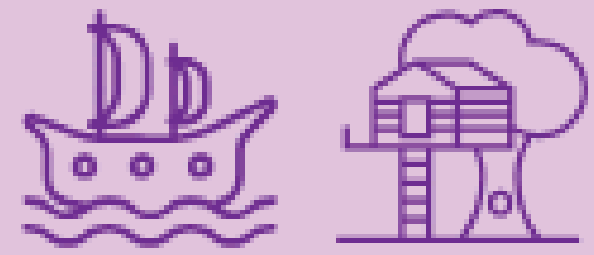
Ex. weather, park
size, animals

Materials



Ex. metal slide, plants,
rubber floor

Other



Ex. themes, color
schemes, etc.



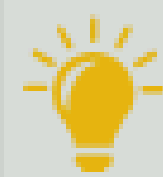
Likes



Dislikes



Needs



Final
Design
Ideas

MY PLAYGROUND DESIGN IDEA

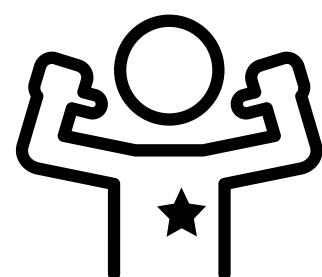
Check In: 



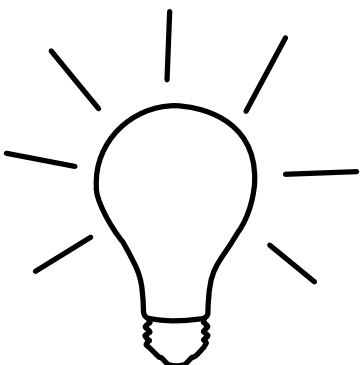


MY IMPROVED DESIGN

I'm proud of...



I could improve next time...



Grows



Success Criteria



Glows



**I can explain in my own words
what the problem is (A3.1)**

**I can explain how I might feel
if I was faced with the same
problem (A3.1)**

**I can investigate multiple ways to
solve the problem and keep track of
the information gathered. (A3.2)**

**I can build a prototype by using
tools and materials safely. (A1.4)**

**I can identify ways I could make
my prototype better. (A1.5)**