

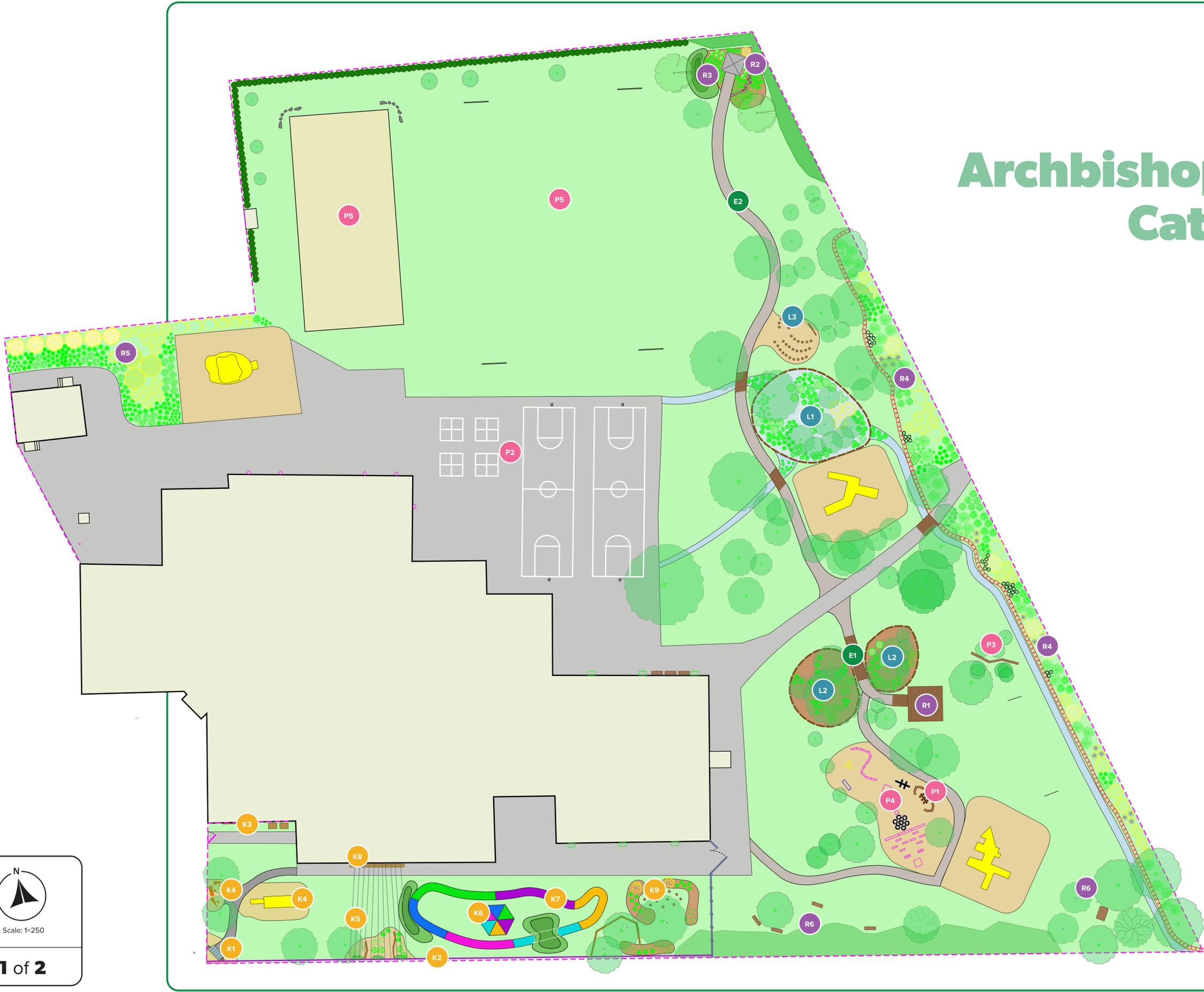
# Archbishop O'Sullivan Catholic School

Come Alive Outside  
Design Challenge 2019

Play  
Explore  
Relax  
Learn

Prepared by:

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COLLEGE



  
Scale: 1:250  
**1 of 2**



# Kindergarten Features



**Sand Kitchen**  
The structure and accessories are made out of recycled pallet wood with a corrugated plastic roof. Rainwater is collected and made accessible to students for play. Key features include a recycled sink, pots, pans and kitchen accessories. Students can fill up their pots using sand and water. Kitchen herbs like rosemary and thyme are planted nearby for students to use in their sandy creations.



**Interactive Fence**  
The fence is made of wood panels, which are fastened to the existing fence. The panels are untreated so students can paint them. Window frames and dome port holes are cut into panels. Mirrors, shutters, and other objects are fastened to the fence for added interactivity. Wood plank pathways lead to key elements on the fence.



**Storage and Chalkboard**  
Against the school is a chalkboard mounted on the wall and two new storage bins. The bins can hold music instruments and other toys that are not currently in use.



**Music**  
A xylophone and PVC pipe organ are permanent fixtures in the space. The xylophone is a stand-alone unit while the PVC pipe organ is hand made from repurposed wood and PVC. Tongue drums, boom whackers, and half-cut barrels are removable instruments that can be locked away in storage bins when not in use.



**Overhead Vines**  
Overhead cables are run between the fence and the school with wild grape vines growing on them. This creates shade and shelter for students. The vines produce safe, edible berries for birds and children to enjoy.



**Stained Glass Shelter**  
The stained-glass shelter is not made of glass at all – colourful polycarbonate sheets are angled to withstand snow load. The structure is a simple wood frame similar to a gazebo. The colourful light patterns casted onto the ground add imagination to play.



**Adventure Track**  
The track is made from recycled rubber. It can be surfaced with many bright colours, patterns, textures, and shapes to suit your imagination. Children can run along the track or ride a tricycle. A tunnel and a ramp add grade changes that create more opportunities for adventure and imagination.



**Planter Benches**  
Under the vines is a long wooden bench with planter boxes built-in. Aromatic herbs can be planted in the boxes every spring for taste and smell.



**Shaded Seating in Kindergarten Area**  
The fence dividing the kindergarten area from the rest of the school yard has been moved to include mature trees. We've added more planting to enhance the forest ambience. New log seating is placed under the trees to create a shady spot to sit. Wind chimes are hung in the trees to create white noise. We've installed bird houses and bug houses to attract wildlife.

# Play



**Four Square and Basketball**  
The four square courts have been moved so they don't get in the way of any basketball games. The basketball courts are rotated to face the opposite direction. This will help reduce the amount of basketballs that go rolling down the hill. It also opens a better path of travel when you're walking through.



**Log Ship and Tire Gators**  
A ship made of locally-sourced cedar logs creates a new climbing structure that is inexpensive and safe. We've named the ship H.M.C.S. Kingston; after the real life naval ship currently in the Canadian fleet. Beside the ship are alligators made of recycled tires. Kids can use their imaginations to sail on voyages or avoid the alligators.



**Balance Beam**  
Constructed from locally sourced logs raised above the ground. It can double as a climbing structure or as a place to sit.

# Relax



**Raised Deck**  
The cedar deck provides a raised space to sit and enjoy the views of nature and the sound of wind chimes. A ramp and built-in bench seating around the edges make the deck wheelchair and stroller friendly.



**Gazebo**  
A gazebo, constructed from a cedar wood gazebo kit with aluminum roof, will be placed in the back corner of the field. It will provide a quiet, private area to sit and enjoy the pollinator garden.



**Pollinator Garden**  
The garden is on a berm that surrounds the gazebo. It creates a private, quiet space for sitting and relaxing. The berm will be planted with trees and pollinator-friendly flowers that will attract an assortment of insects. Serviceberry trees, echinacea, asters, wild bergamot, and milkweed are a few of the plants you would find in this area.



**Native Plants**  
Continued from North side of playground. Plants will minimize water draining into neighbouring properties and provide a privacy barrier between residential yards and the school yard.



**New Green Space**  
Pavement has been removed and replaced with plants. A cedar hedge creates privacy, protection from the wind, and blocks the view of the parking lot. Native plants provide habitat and food for insects. This section will also help absorb more rain water to improve drainage and prevent pooling areas.



**Quiet Sitting Areas**  
This is a place to sit and relax or watch anyone playing on the play structure. Benches have been added for extra seating.

# Explore



**Boardwalk**  
The boardwalk is 4" high and made of cedar. Its elevated height and location in the trees makes you feel like you're crossing a bridge in the forest. It also improves your view of the ecological areas on each side.



**Accessible Pathway**  
New gravel paths lead you to key play spaces in the school yard. They are made of compacted crushed gravel. This is an ideal surface because it's inexpensive and permeable. It's also wheelchair and stroller friendly, making it completely accessible.



**Bioswale and Drainage Creek Bed**  
A large planted area acts as a swale to collect water and improve drainage. Like the ecological areas, the plants in this space will be picked to do three jobs: to look good, to provide habitat for local wildlife, and to absorb excess water. A dry creek bed connects to the swale, draining all water on the site. Learning opportunities have been added to the area in the form of info signs that provide information on plants and animals that can be observed in the area.



**Ecological Areas**  
These are planted areas enclosed by a fence. They contain native plant species that provide food and habitat for local wildlife. They also help absorb excess water on site. Wind chimes will be hung in the trees to add an extra sensory experience. To increase learning opportunities, we've installed signs along the fence that provide information about the plant and animal species you can observe in this area.



**Outdoor Classroom**  
The new outdoor classroom will include log seating on a compacted mulch base to give the area a natural look and feel. A chalkboard mounted on cedar log posts will also be added to help teachers organize lessons outside.