# Danica MariningEDCP 320 Section 102

P.E. Cross-curricular Lesson

**Grade:** 2

**Subjects:** P.E. and Inquiry (focus on Social Studies)

**Activity:** Geocaching at Lighthouse Park

**Materials:** 3 phones with the Geocaching App, 63 Stickers

**Number of Students:** 21

**Number of Adults:** 2 teachers, 4 parents

**Number of Vehicles:** 5

**Time:** 3 hours

**Objective:**
The student will be able to interpret the GPS map to navigate their way through the physical environment in the goal of finding a geocache box. The student will follow the field trip safety rules specific to this environment.

**PLOs (P.E.):**
A5- participate daily in moderate to vigorous physical activities
B1- move through general space, incorporating directional changes
C1- demonstrate safe behaviours when participating in physical activity

**PLOs (Social Studies):**A1- interpret simple maps using cardinal directions, symbols, and simple legends

**Instructions:**
1. The students, parents, and teachers will meet at 9:00am in the classroom where check-in, phone number exchange, and washroom stop will happen. The car groups will then be assigned.
2. Travel to Lighthouse Park.
3. Once at Lighthouse Park, the students will be divided into 3 groups (2 adults/group). Give each student 3 stickers as “swag.”
4. Go over safety rules for the environment.
5. Groups are each assigned a different geocache to go find (3 geocaches total).
6. Groups go off to find their geocaches, using the GPS geocache tracker App.
7. When the geocache has been found, the students can exchange their “swag” (stickers) for an item in the geocache box.
8. Once “swag” has been exchanged, the students now search for their next geocache.
9. Once groups have found all three geocaches, or when the time is up for the field trip (11:30 am), all groups will reconvene in the parking lot.
10. A class headcount is performed to ensure all students and parents are back.
11. Students get back to their car groups and head back to school for lunch.
12. When all students are back at the school, there will be a reflection on the field trip experience.

**Notes:**
- Geocache boxes have been checked the day before to ensure there is “swag” in the boxes and that they are in the spots located by the GPS geocache App.
- Phone numbers for each of the groups have been exchanged.
- A first aid kit with e-cards is brought along for the field trip.
- All of the proper procedures have been taken for this field trip to occur (permission forms, driver forms, booster seats, etc).
- Students can bring a pocket snack (ex. Granola bar) and water to carry around while geocaching.

**Safety Issues:**There are various safety issues associated with this field trip. The transportation of the students via cars presents the possibility for car accidents. To minimize the chances of harm to the students, the drivers have completed a driving form, the students bring booster seats, and the field trip is chosen to be at a location ten minutes from the school. In addition to transportation safety issues, the fact that the field trip takes place in a public park presents various issues. Animals, strangers, and the physical environment all present potential hazards. To minimize the safety hazards, students are instructed to bring proper outdoor gear including appropriate footwear and clothing; two adults are assigned per group to have one at the back and one at the front of each group; phone numbers are exchanged between all adults; a first aid kit and emergency cards for each student are brought; and all field trip participants are informed of the safety rules.

**Adaptations:**
For students with Educational Assistants, I would have the Educational Assistant join the field trip to be with this student for extra support.
If I had a student in a wheel chair I would adjust the lesson so that this student and an accompanying adult could be given a map with the location of a box with “swag” in it. This box would be placed in an area accessible to the student with the wheel chair, for instance, along a cement pathway.

**Meeting the Needs of the students:**

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| --- | --- | --- |
| **Developmental Domain**  | **Characteristic of this age group** | **Activity to meet the needs of this age group** |
| Physical | Constantly active | Hiking through the forest to search for geocaches |
| Cognitive | Understanding teamwork | Students must work together to find the geocache |
| Affective | Like small group activities | In small groups for geocaching |

**Assessment (Formative):**
-Place a checkmark in the column if the student completed the task.

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| --- | --- | --- | --- |
| **Student Name** | **Participation** (Did the student participate?) | **Safety** (Did the student follow the safety rules of the field trip?) | **Navigation** (Was the student able to read the GPS map and navigate to the geocache?) |
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