** DRAFT LESSON PLAN (REVISED 2022)** Block 2 – with EDUC 391 and EDUC421

**Candidate’s name:**

|  |  |  |  |
| --- | --- | --- | --- |
| Grade/Class/Subject: | Grade 1/ Math | School: | Glenview Elementary |
| Date: | May 31/ 2022 | Allotted Time: | 45min |
| Topic/Title: | Graphing - Pictographs |

1. **RATIONALE / LESSON ORIENTATION**

**Key resources:** [Instructional Design Map](https://www.dropbox.com/s/g7l0nd7jah1o927/InstructionalDesignMap.pdf?dl=0)

**BC’s Curriculum (Continuous Views):** <https://curriculum.gov.bc.ca/curriculum/continuous-views>

|  |
| --- |
| *Describe how this lesson is relevant currently with these students and why it’s important. What is the purpose of lesson? Make note of the context of the lesson, students, class, emergent learning needs, focus, special events, etc.* |
| Students have been learning about bar graphs in the previous week so to continue the topic students will be learning about pictographs and how to use them.Cite Resources:Canva |

1. **CORE COMPETENCIES**

**Key resources:** <https://curriculum.gov.bc.ca/competencies>

|  |  |
| --- | --- |
| **CORE / Sub-Core Competencies** *(Choose one as the primary focus for the lesson):* | *Scan the FACETS from BC’s Curriculum to choose the sub-core competency. Then select one “I can” statement from PROFILES. Describe how this “I can” statement is developed in the lesson.* |
| * COMMUNICATION – Communicating
* COMMUNICATION – Collaborating
* THINKING – Creative Thinking
* THINKING – Critical and Reflective Thinking
* PERSONAL AND SOCIAL – Personal Awareness and Responsibility
* PERSONAL AND SOCIAL – Positive Personal and Cultural Identity
* PERSONAL AND SOCIAL – Social Awareness and Responsibility
 |  Acquiring and presenting information* I can consider my purpose when I am choosing a form and content.

Students will be considering their purpose specifically when they are creating their pictographs presenting information given to them through this format. Students will be communicating what they have learned through the use of a graph.  |

1. **INDIGENOUS WORLDVIEWS AND PERSPECTIVES**

**Key resources:** First Peoples Principles of Learning (FPPL): [Aboriginal Worldviews and Perspectives in the Classroom](https://www2.gov.bc.ca/assets/gov/education/administration/kindergarten-to-grade-12/indigenous-education/awp_moving_forward.pdf)

**BC’s Curriculum (Indigenous Resources):** <https://curriculum.gov.bc.ca/curriculum/indigenous-education-resources>

**The First People’s Principles of Learning (Chrona, 2014):** <https://firstpeoplesprinciplesoflearning.wordpress.com/>

|  |  |
| --- | --- |
| **FPPL to be included in this lesson** *(Choose one as the primary focus for the lesson):* | *Consider the meaning of the FPPL chosen. Describe how this FPPL is embedded into the lesson and how Indigenous worldviews, ways, and perspectives are acknowledged.* |
| * Learning involves patience and time.
 | Students will be learning that the topic of graphs includes many different things and it will take time to learn the different ways a graph can be represented.  |

1. **BIG IDEAS**

**Key resources:** <https://curriculum.gov.bc.ca/>

|  |
| --- |
| *Look at the subject area(s) and grade level(s) under CURRICULUM on the BC’s Curriculum website. Choose ONE (or two) Big Idea(s) as the primary focus of the lesson. (Cut and paste)**Describe how this lesson is contributing to this Big Idea. What are students expected to UNDERSTAND.* |
| Concrete graphs help us to compare and interpret data and show one-to-one correspondence.State one ESSENTIAL QUESTION to guide the learning.Can I interpret and create a pictograph? |

1. **LEARNING STANDARDS**

**Key resources:** <https://curriculum.gov.bc.ca/> (choose course under Curriculum)

*NOTE: The Curricular Competencies and Content of BC’s Curriculum are assessed and evaluated for student learning.*

|  |  |
| --- | --- |
| **Curricular Competencies** *What are expected to DO in this lesson?* *Choose one as the primary focus. (Cut and paste)**Briefly describe it will manifest in this lesson.* | **Content** *What are students expected to KNOW in this lesson?**Choose one as the primary focus. (Cut and paste)**Briefly describe how it will manifest in this lesson.* |
| Communicating and Representing* Represent mathematical ideas in concrete, pictorial, and symbolic forms

Students will be communicating and representing data given to them in a pictograph. Students will be using the data to create their own pictographs alongside a class pictograph.  | * concrete graphs, using one-to-one correspondence

Students will be expected to know what a graph is and how it can help us see information represented easily.  |

1. **ASSESSMENT PLAN**

**Key resources:** [Instructional Design Map](https://www.dropbox.com/s/g7l0nd7jah1o927/InstructionalDesignMap.pdf?dl=0) and<https://curriculum.gov.bc.ca/classroom-assessment>

*NOTE: The Assessment Plan begins developing in Block 2 during EDUC 421. Please refer to those learning resources.*

|  |
| --- |
| *How will students demonstrate their learning or achieve the learning target/intention? How will the evidence be documented and shared? How are students assessed? (i.e., self-assessment, peer assessment and teacher assessment.) What tools, structures, or rubrics are used to assess student learning (e.g., Performance Standard Quick Scale)?*  |
| * Is the assessment formative or summative? Describe.

Formative, this lesson is included in a mini-unit on graphs and the many ways to represent information.* **What is the learning target?** (This is written as an “I can” statement.) Use the Learning Standards (above).

I can use and create a pictograph.* What type of learning target is this? (i.e., knowledge, reasoning, performance/skill, product)

Knowledge * What Assessment Method is being used?

Written Response(i.e., selected response, written response, performance assessment, personal communication)* How will you be assessing (or evaluating) student learning?

Through completion of the worksheet and observation* What are the criteria? (What are you looking for to know if students achieved the learning target.)

Complete one pictographAnswer at least 2 questions related to the graph* Will you be using a rubric? What questions will be asked? Please include these in this section.

No |

1. **DESIGN CONSIDERATIONS**

**Key resources:** [Instructional Design Map](https://www.dropbox.com/s/g7l0nd7jah1o927/InstructionalDesignMap.pdf?dl=0)

|  |
| --- |
| *Make brief notes to indicate how the lesson will meet needs of your students for: differentiation, especially for known exceptionalities, learning differences or barriers, and language abilities; inclusion of diverse needs, interests, cultural safety and relevance; higher order thinking; motivations and specific adaptations or modifications for identified students or behavioural challenges. Mention any other design notes of importance, e.g. cross-curricular connections, organization or management strategies you plan to use, extensions for students that need or want a challenge.* |
| By creating a class donut graph students will be able to visualize the pictograph before they make their own. **Planning for Diversity:** Refers to Universal Design for Learning (UDL): Key resource: <https://udlguidelines.cast.org/>

|  |  |  |
| --- | --- | --- |
| ALL STUDENTS | MOST STUDENTS | FEW STUDENTS |
| I must do…Complete the class donut graphAnswer a question based on this graphHow are all learners included? | I can do…Complete the worksheet and accompanying questionsWhat will most students do?  | I could do…Complete the worksheet and begin a math center. What extensions can you take? |

Instructions for EA (if applicable):Help students where possible |
| **Required preparation:** *Mention briefly the resources, material, or technology you need to have ready, or special tasks to do before the lesson starts, e.g. rearrange desks, book a room or equipment.* |
| * Worksheet x16
* Donut + Sprinkled donut coloring sheet x16
 |

**8. INSTRUCTIONAL DESIGN (ALTERNATIVE FORMAT)**

Putting BC’s Curriculum, First People’s Principles of Learning, and Assessment Plan into action. Looking for coherence.

|  |  |  |  |
| --- | --- | --- | --- |
| **Instructional Steps** | **Teacher will:**  | **Student will:** | **Pacing** |
| **OPENING:***e.g. greeting students, sharing intentions, look back at what was learned, look ahead to what will be learning, use of a hook, motivator, or other introduction to engage students and activate thinking and prior knowledge* | Review what students know about graphs. What are they? What are they used for? How can they be helpful? Introduce the idea of pictographs.<https://www.youtube.com/watch?v=-FtUufh6ZoY>  | Answer the prompts and listen as best they can to the youtube video introducing pictographs.  | 10min |
| **BODY:*** *Best order of activities to maximize learning -- each task moves students towards learning intentions*
* *Students are interacting with new ideas, actively constructing knowledge and understanding, and given opportunities to practice, apply, or share learning, ask questions and get feedback*
* *Teacher uses learning resources and strategic opportunities for guided practice, direct instruction, and/or modelling*
* *Can include: transitions, sample questions, student choices, assessment notes (formative or otherwise), and other applications of design considerations*
 | Show students the enlarged donut graph layout which we will be filling out as a class. Students will each be given a choice whether they like glazed, sprinkles, or chocolate donuts; they will have 5min on the timer to colour their donut and place it on the class graph.Before students have time to colour their donut discuss the favourite fruits graph which students will do when they are finished their donut. After students complete the class donut graph walk through the questions together before allowing students time to complete their worksheet. |  Students will choose their favourite option and colour it before placing their donut on the class graph paper. Students listen to instructions and raise a hand for questionsFill out the questions on the worksheet | 2min8min10min |
| **CLOSING:*** *Closure tasks or plans to gather, solidify, deepen or reflect on the learning*
* *review or summary if applicable*
* *anticipate what’s next in learning*
* *“housekeeping” items (e.g. due dates, next day requirements*
 | When finished students will have the option to go to math stations.  | Go to their designated math station according to their shape group.  |  |

1. **REFLECTION** *(anticipate if possible)*

|  |
| --- |
| * *Did any reflection in learning occur, e.g. that shifted the lesson in progress?*
* *What went well in the lesson (reflection on learning)?*
* *What would you revise if you taught the lesson again?*
* *How do the lesson and learners inform you about necessary next steps?*
* *Comment on any ways you modelled and acted within the Professional Standards of BC Educators and BCTF Code of Ethics?*
* *If this lesson is being observed, do you have a specific observation focus in mind?*
 |
|  |