

LESSON PLAN

Di Using MDI Data

1		
	1	
MATH		

& MDI

OBJECTIVE(S) Students will:

MATERIALS

$ALIGNMENT \stackrel{\rightarrow}{\leftarrow}$

- ✓ Create bar graphs to represent data, including proper labeling of axes and titles
- ✓ Use real-world data to understand local children's well-being
- ✓ Gather and organize data to be represented in bar graphs
- ✓ Analyze and interpret data presented in bar graphs

- ✓ Math & MDI lesson slides
- ✓ Math & MDI lesson handout(s)

BC Curriculum

Data Literacy Interdisciplinary Learning

Social & Emotional Development

Core Competencies

Critical thinking

Communication, personal and social responsibility

PHYSICAL HEATH EDUCATION & MDI

- ✓ Understand how physical activity affects emotional well-being
- ✓ See how movement impacts mood and energy
- ✓ Physical Health Education & MDI lesson slides
- ✓ Physical Health Education & MDI lesson handout(s)

BC Curriculum

Physical Literacy

Mental Well-being

Core Competencies

Personal and social core competency

Thinking core competency

SOCIAL **STUDIES** & MDI

- ✓ Analyze local MDI data to assess student well-being
- ✓ Identify community strengths and needs
- ✓ Social Studies & MDI lesson slides
- ✓ Social Studies & MDI lesson handout(s)

BC Curriculum

Global Issues and Governance

Inquiry-Based Learning

Core Competencies

Communication & Collaboration

Development of students as engaged citizens

OBJECTIVES

Students will be able to:

- ✓ Examine local MDI Data
- ✓ Find strengths and gaps
- ✓ Share ideas to boost student well-being

MATERIALS

- ✓ MDI data for the local community from the MDI Data Dashboard
- ✓ Computers or tablets for student research
- ✓ Chart paper and markers

TIME: 80-90 MINS

Summary

In this lesson students will analyze MDI data to understand the well-being of children in their community and propose ways to improve it.

Preparation

- » Review lesson plan and customize for students.
- » Copy one handout per group.
- » Complete the MDI Data Dashboard walkthrough to familiarize yourself (10 minutes) https://mdi.dashboard.earlylearning.ubc.ca.
- » Adaptation: If devices are limited, provide printed data for groups.

Guidance

- » This lesson is best delivered in two parts (main activity on day 1, group poster presentations on day 2).
- » Teacher can choose to have students work on their posters during class time or out of class time.
- » The extension activity may be used as an additional project for community engagement.

$ALIGNMENT \stackrel{\longrightarrow}{\leftarrow}$

BC Curriculum

The lesson addresses key aspects of the BC Grade 6 Social Studies curriculum, particularly the focus on "Global Issues and Governance".

Inquiry-Based Learning: the lesson incorporates the Social Studies inquiry processes, encouraging students to ask questions, gather information, interpret data and communicate findings. This aligns with the curriculum emphasis on developing these skills.

Core Competencies

Communication & Collaboration: students practice communicating findings and ideas through group work and presentations.

By focusing on community well-being and proposing improvements, the lesson supports the development of students as engaged citizens, a central goal of the BC curriculum.

INTRODUCTION



TIME: 15 MINS



Welcome students



Briefly introduce the topic:

» Today we we'll learn how we can use data from our own community to understand and improve well-being for kids like you.



Explain lesson objectives 텯



Share the lesson objectives with students.



What is the MDI?



Explain the Middle Years Development Instrument (MDI) and its purpose in measuring children's well-being.

Tell students:

- » The MDI is a survey for Grades 4-8 students about their thoughts, feelings, and experiences.
- » It helps adults understand what children need to be happy and healthy.
- » It's a self-report survey—kids fill it out themselves, not teachers or parents.

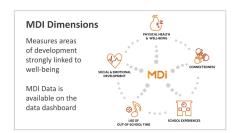
Ask students:

- » Have you filled out the MDI before?
- » Why do you think it's important for students to share their own experiences?

ABOUT THE MDI



TIME: 10 MINS



What does the MDI measure? 텯



Present the five dimensions:

- 1. Physical Health & Well-Being
- 2. Connectedness
- 3. School Experiences
- 4. Use of Out-of-School Time
- 5. Social & Emotional Development



MDI dimensions and measures 🗐



Review the table of dimensions and measures in the MDI and give examples.

LESSON PLAN 3: SOCIAL STUDIES & MDI

EXPLORE





Guided tour: MDI Data Dashboard 🤡

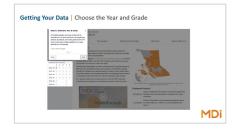
Tell students:

» We'll walk through each step together to find data on the MDI Data Dashboard



Walk through the steps:

Step 1: Choose your school district or neighborhood from the menu on the left



Walk through the steps: 🧐

Step 2: Click on the year and grade you would like data for



Walk through the steps: 🧐

Step 3: Click on DImensions from top menu, then select the dimension you want

Step 4: Select section from the drop down menu

Step 5: Click on item, (e.g., Happiness)



Model example 🤡

Tell students:

» Lets explore levels of Happiness for Grade 5 students in Abbotsford, 2023-24

ACTIVITY: DATA DETECTIVES



(*) TIME: 20-30 MINS



Activity handout:



Activity: Data Detectives

Form Groups:

- Divide class into groups of 4
- · Assign each group one dimension (Physical Health & Well-Being, Connectedness, Out-of-School Time, Social & Emotional Development)

Read instructions to students:

Each group uses the dashboard (or provided data) to:

- Find their school district and grade
- Explore the items in their assigned dimension
- Identify one area of strength and one area for improvement
- · Record findings on the lesson handout

Teacher Support:

Circulate to assist with technology and discussion

ACTIVITY: FINDINGS



TIME: 20-30 MINS



Activity: Poster Creation Ø



Groups create a poster showing:

- Their assigned dimension
- The strength and area for improvement they found
- Ideas for building on strengths and enhancing areas of growth

Presentations:

Each group presents their poster (2-3 minutes each) and answers 1-2 questions from classmates.

WRAP-UP



TIME: 5 MINS



Reflections 🗐



Discussion:

- » What did you learn that surprised you?
- » How could we use this information to make our school better?

Summary:

Reinforce the importance of student voices and data in improving community well-being.

Extension activity (optional)



Students can design an action plan for an area of improvement to present with their findings to the school.

Understanding Our Community's Well-being

Na	me: Date:			
Pa	rt 1: Getting the Data			
	Your assigned MDI Dimension:			
	1. Using the MDI Data Dashboard, identify one strength in your community for your assigned area:			
	a)			
	2. Identify one area that could be improved:			
	a)			
Pa	Part 2: Community Improvement Proposals			
	3. Based on your data analysis, propose two ideas to improve well-being in your assigned area:			
	ldea 1:			
	ldea 2:			
Part 3: Community Improvement Proposals				
	4. What surprised you most about the MDI data for our community?			
	5. How do you think understanding this information can help make our community better?			