Instructional Calendar

Monday	Tuesday	Wednesday	Thursday	Friday
Lesson 1: Introduction to the Arctic In this lesson, students will… • Define and describe the Arctic • Identify major players in Arctic politics • Be introduced to the unit driving question	Lesson 2: Fram Motivation In this lesson, students will… • Discover the motivation for the Fram expedition • Identify human qualities that helped the Fram expedition successfully navigate the Arctic	Lesson 3: MOSAiC Motivation In this lesson, students will… • Discover the motivation for the MOSAiC expedition • Identify factors contributing to changes in Arctic sea ice extent	Lesson 4: Ice Floe Identification - Day 1 In this lesson, students will… • Analyze Arctic sea ice data to find a suitable ice floe for an Arctic research expedition.	Lesson 4: Ice Floe Identification - Day 2 In this lesson, students will… • Analyze Arctic sea ice data to find a suitable ice floe for an Arctic research expedition.
Lesson 5: Measuring Albedo In this lesson, students will… • Measure the reflectance (albedo) of different surfaces to describe the relationship between the color of a surface and it's albedo	Optional Extension Activities: • MOSAiC Distributed Network virtual reality tour • Lesson: Ice-Albedo Feedback • Lesson: Arctic Preparation	Final Assessment In this lesson, students will… • Develop a visual to answer the unit driving question.	Final Assessment In this lesson, students will… • Develop a visual to answer the unit driving question.	***Flexible Formatting*** Please note that this unit is designed to be flexible! Facilitate individual lessons, implement in parts (e.g., 1 lesson/week), or complete all at once! Most materials are editable in Google Docs which can be used as-is or customized for the way you want to use them!

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