Inquiry Design Model (IDM) Blueprint<sup>™</sup>

## SD OSEU | OSEU 3: Culture & Language

The origin, thought and philosophy of the Oceti Sakowin continues in the contemporary lifestyles of Tribal members. Tribal cultures, traditions and languages are incorporated and observed by many Tribal members both on and off the reservations.

(\*This Unit Plan is tentatively based on student performance and schedule changes due to weather. Planned for Week 9 Quarter 3 through Week 1 Quarter 4.)

Compelling Question	What are the sacred sites of the Oceti Sakowin and where are they located?	
	6.NS.6c – Find and position integers and other rational numbers on a horizontal or vertical number line diagram; find and position pairs of integers and other rational numbers on a coordinate plane.	
Standards and Practices	6.EE.9 – Use variables to represent two quantities in a real-world problem that change in relationship to one another; write an equation to express one quantity, thought of as the dependent variable, in terms of the other quantity, thought of as the independent variable. Analyze the relationship between the dependent and independent variables using graphs, tables, and relate these to the equation.	
	OSEU Standard 3.3 – Recall Oceti Sakowin sacred sites, creation stories, and star knowledge and describe how they relate to each other, and how they are still used today on and off the reservation.	
Staging the Question	How many of you have been to Bear Butte, Pe' Sla, Inya Kaga, (Devils Tower), Wind Cave, Black Elk Peak?	
Supporting Question 1	Supporting Question 2	Supporting Question 3
Where are the Oceti Sakowin sacred sites?	Can you use coordinates to locate the Oceti Sakowin sacred sites on a map?	How long would it take to travel to the sacred sites from the Todd County Middle School?
Formative Performance Task	Formative Performance Task	Formative Performance Task
Day 1 1. Students listen to the Lakota Origin and Sacredness of Water stories by Duane Hollow Horn Bear and Velma Killsback: Bear Butte & Cekpapi to build background	<ol> <li>Day 2</li> <li>Review x and y-axis, the four quadrants on a grid, ordered pairs, and how to name points on a grid (coordinates).</li> <li>Using paired coordinates, students will locate the Oceti</li> </ol>	<ul> <li>Day 3</li> <li>1. Calculate student rate of speed in miles per hour (walk 1 time around the track and multiply by 4)</li> <li>2. Use their speed to create a table using an independent variable – time (x) and</li> </ul>

of Lakota culture and origin of the Sacred Sites. 2. Read Lakota Origin Story by Cheyenne River Sioux Tribe 3. Use a map of South Dakota and Western Wyoming to locate the Oceti Sakowin sacred sites.	Sakowin sacred sites on a map. 3. Using a grid map, students will name the coordinates of the Oceti Sakowin sacred sites.	<ul> <li>dependent variable (y) – distance.</li> <li>3. Use data from the table to make a graph that represents the time it takes to walk to each of the Oceti Sakowin sacred sites.</li> </ul>
Featured Sources	Featured Sources	Featured Sources
https://www.youtube.com/watch?v=DG_2yT3FaEshttp://sioux.org/lakota-creation- story.htmlhttp://www.wolakotaproject.org/oseu-four/the-story-of-bear-butte-and- cekpapi-with-velma-kills-back/http://www.wolakotaproject.org/oseu-5-origin-story-with-duane-hollow- horn-bear/http://www.wolakotaproject.org/oceti -sakowin-essential-understanding- one/oseu-one-interview-with-duane- hollow-horn-bear/https://shakopeedakota.org/sacred- site-persquo-sla-gains-indian-land- status/https://www.blackhillsvacations.com/ plan-your-visit/black-hills-mapshttp://www.kotatv.com/content/news/ Tribes-win-federal-trust-status-for- Pe-Sla-property-in-Black-Hills-	https://my.hrw.com/content/hmof/ma th/gomath/na/gr6/interactive_student edition_9780544083059_/book_page s/te/index1.html https://www.blackhillsvacations.com/ plan-your-visit/black-hills-maps http://www.kotatv.com/content/news/ Tribes-win-federal-trust-status-for- Pe-Sla-property-in-Black-Hills- 417068793.html	https://www.blackhillsvacations.co m/plan-your-visit/black-hills-maps https://my.hrw.com/content/hmof/m ath/gomath/na/gr6/interactive_stude nt_edition_9780544083059_/book_p ages/te/index1.html https://www.google.com/search?ei=- = 8hW7OzCurQjwTWxYz4CA&q=di stance+walking+from+mission+SD+ to+Wind+Cave%2C+SD&oq=dista nce+walking+from+mission+SD+to +Wind+Cave%2C+SD&gs_l=psy- ab.39910.30923.0.31933.51.48.0.3.3 .0.332.5888.0j34j1j4.39.001c.1.6 4.psy- ab9.37.50250j0i131k1j0i67k1j0i2 2i30k1j33i22i29i30k1j33i160k1j33i2 1k1.0.OxD0krxMvTs
<u>417068793.html</u> Summative Performance Task	Argument	Final product from day 2: a map of the Black Hills correctly labeled with the 5 mentioned sacred sites, coordinates that correctly locate each site on the finished map, and an explanation on how to use the map to correctly locate the sacred sites using coordinates.

		Students create a animal from the story: The Great Race using coordinates and plotting them correctly on a graph.
	Extension	<ol> <li>Create a map with a grid of the Rosebud Reservation. The map must include coordinates for your community, Todd County Middle School, IHS, Buches, Sinte Gleska, Pow-wow Grounds, Crazy Horse Canyon, Casino, Buecher Memorial Lakota Museum, and these communities: Parmelee, Antelope, Rosebud, Okreek, Saint Francis and Olsonville.</li> <li>Write the coordinates of each location from the map.</li> </ol>
Taking Informed Action	Show others how to us a graph, map and coordinates to locate places of interest.	