

Week	Date	Title	Reading & Assignments due on day of class
1	9.28	Introduction and Nature and Practice of Science	None
2	10.5	Learning and Teaching	<p>Reading:</p> <ul style="list-style-type: none"> National Research Council. (2009). Chapter 2: Science and Science Learning. In <i>Surrounded by science: Learning science in informal environments</i> (pp. 19-34). Washington, D.C.: National Academy Press. <p>Written:</p> <ul style="list-style-type: none"> Activity Topic Brainstorm (online) Elevator Talk (First Draft)
3	10.12	How Learning Happens	<p>Reading:</p> <ul style="list-style-type: none"> Roschelle, J. (1995). Learning in interactive environments: Prior knowledge and new experience. In J.H. Falk & L.D. Dierking, <i>Public institutions for personal learning: Establishing a research agenda</i>. Washington, DC: American Association of Museums, 37-51. <p>Written:</p> <ul style="list-style-type: none"> Observation Instrument during visit to Birch Aquarium
4	10.19	Designing an Activity	<p>Reading:</p> <ul style="list-style-type: none"> National Research Council. (2009). Chapter 3: Designing for science learning-Basic principles. In <i>Surrounded by science: Learning science in informal environments</i> (pp. 25-42). Washington, D.C.: National Academy Press. <p>Written:</p> <ul style="list-style-type: none"> Written Activity Proposal (1 per group)
5	10.26	Flipping the Message	<p>Written:</p> <p>Broader Impact Statement (draft, optional)</p>
6	11.2	Refining the Message	<p>Reading:</p> <ul style="list-style-type: none"> Eberbach, C., & Crowley, K. (2005). From living to virtual: Learning from museum objects. <i>Curator</i>, 48(3), 317-338.
7	11.9	No class- activity presentation on floor	<p>Written:</p> <ul style="list-style-type: none"> Written Activity Plan (1 per group)- Must be turned in 24 hours prior to activity presentation at the aquarium

8	11.16	Conversations and Inquiry	Reading: <ul style="list-style-type: none">National Research Council. (2009). Chapter 4: Learning with and from Others. In <i>Surrounded by science: Learning science in informal environments</i> (pp. 25-42). Washington, D.C.: National Academy Press.
9	11.23	No class- activity presentation on floor	Written: <ul style="list-style-type: none">Elevator Talk (Final Draft)
10	11.30	Elevator Talk Final Presentation	Written: <ul style="list-style-type: none">Observation Instrument- School Program (This can be turned in as soon as you complete your observation.)Final Activity Plan (with your group)Activity Debrief (on your own)