



Breakout Sessions - Sessions led by Southeast Polk Teachers-Leaders  
 - Clay Elementary 2:30-4:00 pm

*Teachers- please look over the schedule in advance. Please talk to your PLC and take the "divide and conquer" approach by attending different sessions from your teammates so you can optimize the learning opportunity! If desks are full, please find a different session to attend.*

## Schedule

	Library	D128 4-5 Hallway	D129 4-5 Hallway	D123 4-5 Hallway	D107 2-3 Hallway	D110 2-3 Hallway	D111 2-3 Hallway	B115 Science Room
2:30-2:55 Breakout I	<b>TCI Science &amp; Social Studies updates all grade K-1</b> Join Zoom Meeting <a href="https://zoom.us/j/916196903">https://zoom.us/j/916196903</a>	PLTW Launch in the classroom	Virtual Reality for Science and Social Studies	CodeFWD Grant & Sphero Robotics	Social Studies & Inquiry Design Model	Text Mapping In science and social studies	Environmental Learning Center (ELC) for upper elementary	Writing to Learn in science and social studies
Travel Time								
3:00-3:25 Breakout II	<b>TCI Science &amp; Social Studies updates all grade 2-3</b> Join Zoom Meeting <a href="https://zoom.us/j/916196903">https://zoom.us/j/916196903</a>	STEM collaboration across grades	Virtual Reality for Science and Social Studies	Speaking up for Science & Social Studies	Social Studies & Inquiry Design Model	Text Mapping In science and social studies	Using PebbleGo Next in Science & Social Studies (4-5)	
Travel Time								
3:30-3:55 Breakout III	<b>TCI Science &amp; Social Studies updates all grade 4-5</b> Join Zoom Meeting <a href="https://zoom.us/j/916196903">https://zoom.us/j/916196903</a>	Pre-K STEM	Virtual Reality for Science and Social Studies	Speaking up for Science & Social Studies	Social Studies & Inquiry Design Model	Coding and Bluebots	Environmental Learning Center (ELC) for early elementary	Writing to Learn in science and social studies

## Session Descriptions

Literacy in Science & Social Studies	Curriculum materials	Science & Technology	Social Studies	Both Science & Social Studies
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Sessions	Descriptions	Presenters
<b>TCI Science &amp; Social Studies</b>	Updates to TCI curriculum materials (Zoom session) - <b>All teachers will attend this session at designated times shown in the schedule above.</b> Find out what is new with the online materials for TCI.	<i>Matt Moorman (Rob Timmins or Laurie Wyatt)</i>
<a href="#">Writing to Learn in Science and Social Studies</a>	In this session, we will learn and review Writing to Learn techniques that spark student engagement and increase student learning of social studies and science content.	<i>Tammy Steenhoek</i>
<a href="#">Text Mapping In science and social studies</a>	Text mapping is a pre-reading technique that asks students to highlight the important text features in a content area textbook. During this presentation, the participants will learn how to highlight the text so their students can see the relationship between text features and comprehension of the material.	<i>Sharon Williamson</i>
<a href="#">Coding and Bluebots</a>	In this session, we will learn how to integrate coding skills into your everyday curriculum with the use of Bluebots. Participants will understand how to code a bluebot and how to use it in their classroom as a way to enhance student engagement and problem solving skills while working on grade level outcomes.	<i>Lyndsay Sayre</i>
CodeFWD Grant and Sphero Robotics	How to use Sphero Robotics for coding opportunities in the classroom. This will include a demonstration on how to easily implement activities that are already created for student chromebooks. Also information about the CodeFWD Program and grant opportunity.	<i>Zach Swanson</i>

<a href="#">PLTW Launch in the classroom</a>	How to use productive group work, share supplies and share the teaching responsibilities within modules as well as ideas on expanding modules into different content areas and extension activities.	<i>Tiffany Filloon &amp; Katie Connelly</i>
STEM collaboration across grades	Learn how teachers across grade levels collaborate to introduce and explore STEM materials to promote collaboration, engagement, and perseverance while utilizing makerspace tools.	<i>Janet Riordan, Tammy Kiel, Kim McCoy-Parker</i>
<a href="#">Environmental Learning Center (ELC) early Elementary</a>  <a href="#">ELC overview</a>	Learn some ideas on how to utilize the ELC with students and guest teachers.  <a href="#">Directions for using/reserving the ELC.</a> July Teacher Workshop <a href="#">Registration information.</a>	<i>Kathy Hoyt &amp; Kerri Perry</i>
Environmental Learning Center (ELC) upper Elementary	Learn some ideas on how to utilize the ELC with students and guest teachers.  <a href="#">Directions for using/reserving the ELC.</a> July Teacher Workshop <a href="#">Registration information.</a>  <a href="#">ELC Folders from Presentation</a>	<i>Luke Vander Sanden</i>
<a href="#">Pre-K STEM</a>	Incorporating Iowa Early Learning Science Standards into curriculum, and centers	<i>Jackie White</i>
<a href="#">Using PebbleGo Next in Science &amp; Social Studies (4-5)</a>	Using PebbleGo Next as supporting text to integrate more reading opportunities in science/social studies or during units aligned with ReadyGen in grades 4 & 5.	<i>Sydney Lafrenz</i>
Speaking up for Science and Social Studies	<a href="#">Video message from Nell Duke.</a> Start Video at minute 17:00. Watch. Engage with peers, <a href="#">read article</a> , and reflect and exchange ideas.	<i>Jackie White &amp; Laurie Wyatt</i>
Virtual Reality for Science and Social Studies	Explore volcanoes, underwater sea creatures in their natural habitats, and climb mountains without ever leaving your classroom. Take your students on virtual field trips to support and extend your social studies and science units with virtual reality.  <a href="#">Expedition Directory</a>  <a href="#">Email Jamie to reserve kit</a>	<i>Jamie Gilchrist, Amy Drake</i>
<a href="#">Social Studies &amp; Inquiry Design Model</a>	The Inquiry Design Model (IDM) is an authentic approach to creating curriculum and instructional materials that focuses on the main elements of the instructional design process as envisioned in the Inquiry Arc of the College, Career, and Civic Life (C3) Framework for Social Studies State Standards.  <a href="#">Elementary Time Allotments</a>	<i>Jo Ellen Latham</i>

