

**Shared Waters: An Upstream, Downstream Collaborative  
Summer Professional Development  
8/2/2021 – 8/6/2021**

**Daily Agenda**

**Day 1: Monday, 8/2/2021**

9:15 – 9:45 AM	9:45 – 10:00 AM	10:00 – 10:15 AM	10:30 – 11:30 AM	11:30 AM – 12:30 PM	12:30 – 1:30	1:30 – 3:00 PM
Welcome- <b>VIRTUAL</b>	Review of Grant Goals - <b>VIRTUAL</b>  Dr. Dietrich	Evaluation and Research - <b>VIRTUAL</b>  Dr. Guadino	<ul style="list-style-type: none"> <li>• MWEE framework (Review of MWEE 101) – Part 1 – 2 (Dr. Dietrich); Part 3 (Dr. McConnel).</li> <li>• Educator guide: (Think Cloud, 4 Elements of MWEE Draft)</li> <li>• Areas of Collaboration w/university and K-12 Peers (Dr. Ibrahim and Dr. McConnel) - <b>VIRTUAL</b></li> </ul>	Lunch	<ul style="list-style-type: none"> <li>• Tour of Green Building on Campus (MU – Welcome Center)</li> </ul>	<ul style="list-style-type: none"> <li>• Financial Paperwork (Drs. Dietrich and McConnel)</li> <li>• Distribution of Project materials. <b>VIRTUAL</b></li> <li>• Field Time – Walk around the school yard – MU</li> </ul> <p>Day 1: EXIT TICET on the website</p>
<b>Day 2: Tuesday, 8/3/2021</b>						
<b>Theme: What is a Watershed?</b>						

9:00 – 9:10 AM	9:10 – 9:15 AM	9:15 – 10:45 AM	10:45 – 10:55	11:00 – 11:30 AM	11:30 AM – 12:30 PM	1:00 – 1:15 PM	1:15 – 3:00 PM
Welcome - <b>VIRTUAL</b> Drs. McConnel and Ibrahim -	Introduction - <b>VIRTUAL</b> Dr. Dietrich	What is a Watershed? - <b>VIRTUAL</b> Dr. Earman	Tour of Green Building on Campus VWU – Greer Environmental Science Center.	MU - President address and Press Event	Lunch	ELM - <b>VIRTUAL</b> Dr. McConnel	<ul style="list-style-type: none"> <li>• Curriculum (3 – 4 stations) <ul style="list-style-type: none"> <li>a. Crumpled Watershed - Important topics to address for students--- land and water makes up watershed areas— smaller watersheds make up larger watersheds—importance of -</li> <li>b. Topobox - The following materials can help students navigate the typical spatial issues that maps often bring up in young students. <ul style="list-style-type: none"> <li>i. Need 2D Elevation map</li> <li>ii. Need Playdough of different colors</li> </ul> </li> <li>c. Enviroscape</li> </ul> </li> <li>• 2:30 PM – Teachers Unit Planning Time</li> </ul> <p>Day 2: EXIT TICET on the website</p>
<b>Day 3: Wednesday, 8/4/2021</b>							
<b>Theme: Where Does Water go When it Rains?</b>							
9:00 – 9:15 AM		9:15 – 11:30 AM		11:30 AM – 12:30 PM	12:30 – 3:00 PM		

Introduction - <b>VIRTUAL</b>  Dr. McConnel	a. Where Does Water go When it Rains? - <b>VIRTUAL</b> Dr. Malcolm b. Field Time – Urban Heat Island	Lunch	<ul style="list-style-type: none"> <li>• Curriculum             <ul style="list-style-type: none"> <li>a. River Runner</li> <li>b. Bead Thing (Project WET)</li> <li>c. Big Dice (Project WET)</li> <li>d. Run-off Simulation</li> <li>e. Build an Earth filter</li> </ul> </li> </ul> Day 3: EXIT TICET on the website
---	--	-------	---

**Day 4: Thursday, 8/5/2021**

**Theme: What Lives in a Watershed?**

9:00 – 9:15 AM	9:15 – 11:30 AM	11:30 AM – 12:30 PM	12:30 – 3:00 PM
Introduction - <b>VIRTUAL</b>  Dr. Dietrich	a. What Lives in a Watershed? – <b>VIRTUAL</b> Dr. Wallace b. Field Time	Lunch	<ul style="list-style-type: none"> <li>• Curriculum             <ul style="list-style-type: none"> <li>a. Leaf Pack</li> <li>b. Leaf Pack Simulator</li> <li>c. Water Quality app</li> <li>d. Plants- Walk and ID using a customized dichotomous</li> </ul> </li> <li>• 2:30 PM – Teachers Unit Planning Time</li> </ul> Day 4: EXIT TICET on the website

**Day 5: Friday, 8/6/2021**

**Theme: Stream Chemistry**

9:00 – 9:15 AM	9:15 – 11:30 AM	11:30 AM – 12:30 PM	12:30 – 2:15 PM	2:15 – 2:45 PM	2:45 – 3:00 PM

<p>Introduction - VIRTUAL</p> <p>Dr. McConnel</p>	<p>a. Stream Chemistry (MU Creek Lodge) – VIRTUAL</p> <p>Dr. Howard</p> <p>b. Field Time – Stream Study</p>	<p>Lunch</p>	<ul style="list-style-type: none"> <li>• ELM – Dr. McConnel</li>   <li>• MWEE/ELM Planning – Drs. McConnel and Ibrahim</li> </ul>	<p>Teachers – Unit Plan Sharing</p>	<p>End of the day Evaluation - VIRTUAL</p> <p>Dr. Guadino</p>
---	---	--------------	---	-------------------------------------	---