

MONDAY JULY 9TH: Setting the Stage						
TIME	FOCUS	OUTCOMES	GROUPS	LOCATION	MATERIALS	FACILITATOR(S)
8:30	OPENING! STEMpact greeting: Al Mitchell (Monsanto) Institute Overview/ Logistics/Details: Parking, schedule, resources, media release, fieldtrip details, etc. Facilitation Team Introduction	Begin the Institute, set the stage, Introduce facilitators.	All	Lab Sciences 300 (Auditorium)	Binders, Sign-in sheets (Coffee, etc. available)	Deb All
9:45	<i>Break and Passing time: Move to Classrooms</i>		GROUPS	SEIGLE		
10:00-11:05	1. We Are All STEM Capable	Introduce belonging and capability	E	Seigle 303		Bi, P, N
	2. Technology Tools	Receive tablet, discover website	A	Seigle L004	Gift form, name sticker, tablets	Joan, O, Jh
	3. STEM Is Everywhere	See STEM everywhere	B F	Simon 22 & 20	Binders	Bv & A / Le & D
	4. STEM TQ Overview and Expectations	Review expectations/resources	C D	Seigle 304 & 111	Media release, Binders	W & Bb / Mel & S
<i>10 minute Passing time between sessions</i>						
11:15-12:20	1. We Are All STEM Capable	Introduce belonging and capability	B C	Seigle 303 & 111		Bi & P / N & D
	2. Technology Tools	Receive tablet, discover website	D F	Seigle L004 & L002	Gift form, name sticker, tablets	Joan & O / Jh & S
	3. STEM Is Everywhere	See STEM everywhere	E	Simon 22	Binders	Bv, A, Le
	4. STEM TQ Overview and Expectations	Review expectations/resources	A	Seigle 304	Media release, Binders	Mel, W & Bb
12:20-	LUNCH ON YOUR OWN					
1:15 - 2:20	1. We Are All STEM Capable	Introduce belonging and capability	A D	Seigle 303 & 111		Bi & P / N & D
	2. Technology Tools	Receive tablet, discover website	B E	Seigle L004 & L002	Gift form, name sticker, tablets	Joan & O / Jh & S
	3. STEM Is Everywhere	See STEM everywhere	C	Simon 22	Binders	Bv, A, Le
	4. STEM TQ Overview and Expectations	Review expectations/resources	F	Seigle 304	Media release, Binders	Mel, W & Bb
<i>10 minute Passing time between sessions</i>						
2:30 - 3:35	1. We Are All STEM Capable	Introduce belonging and capability	F	Seigle 303		Bi, P, N
	2. Technology Tools	Receive tablet, discover website	C	Seigle L004	Gift form, name sticker, tablets	Joan, O, Jh
	3. STEM Is Everywhere	See STEM everywhere	A D	Simon 22 & 20	Binders	Bv & A / Le & D
	4. STEM TQ Overview and Expectations	Review expectations/resources	B E	Seigle 304 & 111	Media release, Binders	W & Bb / Mel & S
<i>Passing time: Move to Simon Auditorium</i>						
3:40- 4:00	CLOSURE AND EXIT SLIP	Reviewing, celebrating	All	Lab Sciences (Auditorium)	Tablets, boxes, charging cords	Amy, Melanie

TUESDAY JULY 10TH: Beginning the Exploration						
TUESDAY MORNING: Teachers in "Group D" Are Off-Campus on a Field Experience						
TIME	FOCUS	OUTCOMES	GROUPS	LOCATION	MATERIALS	FACILITATOR(S)
7:45	Board the Bus at Wash U (outside Seigle/Simon)	Problem Solving and Integration: Water, Erosion, Risk Management	GROUP D	Shelter #1, Castlewood State Park, 1401 Keifer Creek Rd. Ballwin, MO 63021	Tablets Sun screen, Long pants Water shoes, Long sleeves Insect Repellant	The Nature Conservancy, Melanie, Amy
7:55	Depart for Castlewood State Park (BUS provided)					
8:30	Arrive at Castlewood State Park and session begins					
11:15	Travel back to campus and lunch (BUS provided)					
TUESDAY MORNING: Teachers in "Groups A, B, C, E, F" Are On-Campus						
8:30	OPENING	Beginning, Focusing	A, B, C, E, F	Seigle L006 Auditorium	Binders, Tablets, Sign-in sheets	Leon, Joan
8:50-11:20	Technology and Computer Science Part 1 AND LUNCH (provided)	Integrate careers, tech tools and instructional applications	B A	Begin in Seigle Auditorium (Seigle L004 available)	Binders, Tablets	Orlando, John, Joan, (Leon)
8:50-11:35	Novel Engineering	Integrate literature and engin.	E	Seigle 111	Binders, Tablets	Barbara, Sherita
	Cultural Consciousness and Efficacy	Integrate inclusion strategies	C	Seigle 303	Binders	Billie, Phil (Deb)
	Thinking and Talking in Mathematics	Discover STEM TQ strategies	F	Simon 22	Binders	Bev, Wendy (Nancy)
11:35	LUNCH ON YOUR OWN					
TUESDAY AFTERNOON: Teachers in "Groups A, B, and C" Are Off-Campus on a Field Experience						
12:20	Board the Bus at Wash U (outside Seigle/Simon)	Problem Solving and Integration: Water, Erosion, Risk Management	GROUP C	Shelter #1, Castlewood State Park, 1401 Keifer Creek Rd. Ballwin, MO 63021	Tablets, binders, sun screen, long pants, water shoes, long sleeves, insect repellant	The Nature Conservancy, Melanie, Nancy, (John)
12:30	Depart for Castlewood State Park (BUS provided)					
1:00	Arrive at Castlewood State Park and session begins					
3:30	Travel back to campus (BUS provided)					
11:25	Board the Bus at Wash U (outside Seigle/Simon)	Experience Newton's Laws by: Using Pi, Building and racing mouse trap cars, driving go carts. Then STEMitize!	GROUP A	8800 Watson Road Crestwood, MO 63119	Tablets, binders, close toed shoes, casual clothes, signed waiver: https://pprstlouis.clubspeedtiming.com/cs-registration/ (Use Event Code STEMTQ1)	Joan, Leon (Deb)
11:35	Travel to Pole Position Raceway					
12:00	Arrive and Register at the Pole Position Raceway		GROUP B			
12:15-4:00	Sessions begin: Acceleration, Design, Pi					
4:00	Complete exit slip, Travel back to campus (BUS provided)					
TUESDAY AFTERNOON: Teachers in "Groups D, E, F" Are On-Campus						
12:20	Optional Meet Up Groups (suggest topics and gather with others)	Connect around topics of interest	Anyone	Seigle Lower Level		Orlando
1:00-3:40	Novel Engineering	Integrate literature and engin.	F	Seigle 111	Binders, Tablets	Barbara, Sherita
	Cultural Consciousness and Efficacy	Integrate inclusion strategies	D	Seigle 303	Binders	Billie, Phil (Orlando)
	Thinking and Talking in Mathematics	Discover STEM TQ strategies	E	Simon 22	Binders	Bev, Wendy, (Amy)
3:40	CLOSURE AND EXIT SLIP	Reviewing, celebrating	D, E, F	Seigle L006 Auditorium	Tablets	Sherita, Phil

WEDNESDAY JULY 11TH: Continuing the Exploration						
WEDNESDAY MORNING: Teachers in "Group B" Is Off-Campus on a Field Experience						
TIME	FOCUS	OUTCOMES	GROUPS	LOCATION	MATERIALS	FACILITATOR(S)
7:45	Board the Bus at Wash U (outside Seigle/Simon)	Problem Solving and Integration: Water, Erosion, Risk Management	GROUP B	Shelter #1, Castlewood State Park, 1401 Keifer Creek Rd. Ballwin, MO 63021	Tablets Sun screen, Long pants Water shoes, Long sleeves Insect Repellant	The Nature Conservancy, Melanie, Barbara
7:55	Depart for Castlewood State Park (BUS provided)					
8:30	Arrive at Castlewood State Park and session begins					
11:15	Travel back to campus and lunch (BUS provided)					
WEDNESDAY MORNING: Teachers in "Groups A, C, D, E, F" Are On-Campus						
8:30	OPENING	Beginning, Focusing	A, C, D, E, F	Seigle L006 Auditorium	Binders, Tablets, Sign-in sheets	Billie, Bev
8:50- 11:20	Technology and Computer Science Part 1 AND LUNCH (provided)	Integrate careers, tech tools and instructional applications	F E E F	Begin in Seigle Auditorium (Seigle L004 available)	Tablets, Binders	Orlando, John, Joan (Amy)
8:50- 11:35	Novel Engineering	Integrate literature and engin.	D	Seigle 111	Binders	Wendy, Sherita (Deb)
	Cultural Consciousness and Efficacy	Integrate inclusion strategies	A	Seigle 303	Binders	Billie, Phil (Leon)
	Thinking and Talking in Mathematics	Discover STEM TQ strategies	C	Simon 22	Binders	Bev, Nancy
11:35	LUNCH ON YOUR OWN					
WEDNESDAY AFTERNOON: Teachers in "Groups A, E, and F" Are Off-Campus on a Field Experience						
12:20	Board the Bus at Wash U (outside Seigle/Simon)	Problem Solving and Integration: Water, Erosion, Risk Management	GROUP A	Shelter #1, Castlewood State Park, 1401 Keifer Creek Rd. Ballwin, MO 63021	Tablets Sun screen, Long pants Water shoes, Long sleeves Insect Repellant	The Nature Conservancy, Melanie, John, (Orlando)
12:30	Depart for Castlewood State Park (BUS provided)					
1:00	Arrive at Castlewood State Park and session begins					
3:30	Travel back to campus BY BUS (please complete exit slip)					
11:25	Board the Bus at Wash U (outside Seigle/Simon)	Experience Newton's Laws by: Using Pi, Building and racing mouse trap cars, driving go carts. Then STEMitize!	GROUP F GROUP E	8800 Watson Road Crestwood, MO 63119	Tablets, binders, close toed shoes, casual clothes, signed waiver: https://pprstlouis.clubspeedtiming.com/ cs-registration/ (Use Event Code STEMTQ2)	Leon, Joan (Amy)
11:35	Travel to Pole Position Raceway					
12:00	Arrive and Register at the Pole Position Raceway					
12:15-4:00	Sessions begin: Acceleration, Design, Pi					
4:00	End of day, complete exit slip					
WEDNESDAY AFTERNOON: Teachers in "Groups B, C, D" Are On-Campus						
12:20	Optional Meet Up Groups (suggest topics and gather with others)	Connect around topics of interest	Anyone	Seigle Lower Level		Wendy
1:00-3:40	Novel Engineering	Integrate literature and engin.	C	Seigle 111	Binders	Wendy, Sherita
	Cultural Consciousness and Efficacy	Integrate inclusion strategies	B	Seigle 303	Binders	Billie, Phil (Barbara)
	Thinking and Talking in Mathematics	Discover STEM TQ strategies	D	Simon 22	Binders	Bev, Nancy, (Deb)
3:40	CLOSURE AND EXIT SLIP	Reviewing, celebrating	B, C, D	Seigle L006 Auditorium	Tablets	Nancy, Wendy

THURSDAY JULY 12TH: Continuing the Exploration						
THURSDAY MORNING: Teachers in "Group E" Is Off-Campus on a Field Experience						
TIME	FOCUS	OUTCOMES	GROUPS	LOCATION	MATERIALS	FACILITATOR(S)
7:45	Board the Bus at Wash U (outside Seigle/Simon)	Problem Solving and Integration: Water, Erosion, Risk Management	GROUP E	Shelter #1, Castlewood State Park, 1401 Keifer Creek Rd. Ballwin, MO 63021	Tablets Sun screen, Long pants Water shoes, Long sleeves Insect Repellant	The Nature Conservancy, Melanie, Joan
7:55	Depart for Castlewood State Park (BUS provided)					
8:30	Arrive at Castlewood State Park and session begins					
11:15	Travel back to campus and lunch (BUS provided)					
THURSDAY MORNING: Teachers in "Groups A, B, C, D, F" Are On-Campus						
8:30	OPENING	Beginning, Focusing	A, B, C, D, F	Seigle L006 Auditorium	Binders, Tablets, Sign-in sheets	Nancy, Phil
8:50-11:20	Technology and Computer Science Part 1 AND LUNCH (provided)	Integrate careers, tech tools and instructional applications	D C C D	Begin in Seigle Auditorium (Seigle L004 available)	Tablets, Binders	Orlando, John Deb
8:50-11:35	Novel Engineering	Integrate literature and engin.	B	Seigle 111	Binders	Barb, Sherita (Amy)
	Cultural Consciousness and Efficacy	Integrate inclusion strategies	F	Seigle 303	Binders	Billie, Phil (Bev)
	Thinking and Talking in Mathematics	Discover STEM TQ strategies	A	Simon 22	Binders	Nancy, Wendy (Leon)
11:35	LUNCH ON YOUR OWN					
THURSDAY AFTERNOON: Teachers in "Groups C, D, and F" Are Off-Campus on a Field Experience						
12:20	Board the Bus at Wash U (outside Seigle/Simon)	Problem Solving and Integration: Water, Erosion, Risk Management	GROUP F	Shelter #1, Castlewood State Park, 1401 Keifer Creek Rd. Ballwin, MO 63021	Tablets Sun screen, Long pants Water shoes, Long sleeves Insect Repellant	The Nature Conservancy, Melanie, Beverly (Deb)
12:30	Depart for Castlewood State Park (BUS provided)					
1:00	Arrive at Castlewood State Park and session begins					
3:30	Travel back to campus and lunch (BUS provided)					
11:25	Board the Bus at Wash U (outside Seigle/Simon)	Experience Newton's Laws by: Using Pi, Building and racing mouse trap cars, driving go carts. Then STEMitize!	D C	8800 Watson Road Crestwood, MO 63119	Tablets, binders, close toed shoes, casual clothes, signed waiver: https://pprstlouis.clubspeedtiming.com/cs-registration/ (Use Event Code STEMTQ3)	Leon, Amy (Orlando)
11:35	Travel to Pole Position Raceway					
12:00	Arrive and Register at the Pole Position Raceway					
12:15-4:00	Sessions begin: Acceleration, Design, Pi					
4:00	End of day, complete exit slip					
THURSDAY AFTERNOON: Teachers in "Groups A, B, E" Are On-Campus						
12:20	Optional Meet Up Groups (suggest topics and gather with others)	Connect around topics of interest	Anyone	Seigle Lower Level		Nancy
1:00-3:40	Novel Engineering	Integrate literature and engin.	A	Seigle 111	Binders	Barbara, Sherita
	Cultural Consciousness and Efficacy	Integrate inclusion strategies	E	Seigle 303	Binders	Billie, Phil (Joan)
	Thinking and Talking in Mathematics	Discover STEM TQ strategies	B	Simon 22	Binders	Nancy, Wendy (John)
3:40	CLOSURE AND EXIT SLIP	Reviewing, celebrating	A, B, E	Seigle L006 Auditorium	Tablets	Barbara, John

FRIDAY JULY 13TH: Securing STEM TQ Thinking						
TIME	FOCUS	OUTCOMES	GROUPS	LOCATION	MATERIALS	FACILITATOR(S)
8:30	OPENING	Summarizing the week and reviewing coming attractions!		Lab Sciences 300 Auditorium	Binders, Tablets, Sign-in sheets	Melanie, Sherita
8:45	Café Conversations	Capture take aways from the week's travels and gather STEMitizing ideas!	All	Lab Sciences 300 Auditorium	Tablets, Binders, Flipcharts, Markers	Nancy (assisted by John, Joan)
	1. How are you STEM capable? How are your colleagues STEM capable?					
	2. Where did 21st Century Skills show up this week? How can we connect these in classrooms and enhance these skills in our students and ourselves?					
	3. What are some "take aways" from the field trips? How is STEM everywhere?					
	4. What have you learned about yourself as it relates to cultural consciousness and efficacy? How will this impact relationships with students and classroom planning?					
5. How are you feeling stretched? What is challenging you?						
9:45	Miss Toliver: Viewing, debriefing	Observe inclusive and rigorous strategies		Lab Sciences 300 Auditorium	Video	Amy, Leon, Phil
10:45	passing time					
11:00	District Debrief, Work Time	Meet in district cohorts, Check in with each other, Share learnings, Review Institute expectations, Preview Institute 2nd week, Make Monday selections, Look at follow up dates, Work on Organizers (end of-Institute) and 2 slides	All		Binders, tablets	Deb
	Confluence			Simon 21		Sherita
	Dunklin			Simon 22		John
	Fox			Seigle 303		Leon
	Francis Howell			Seigle 204		Orlando
	Hazelwood			Simon 20		Nancy
	Hillsboro			Simon 22		John
	Jennings			Seigle 206		Barbara
	Kirkwood			Seigle 304		Wendy
	Lindbergh			Seigle 304		Wendy
	Mehlville			Seigle L004		Melanie
	Normandy			Seigle 208		Billie
	Premier			Lower Level Hallway		Amy
	St. Charles			Seigle 111		Joan
	SLPS			Seigle 210		Deb
	University City			Seigle L002		Beverly
	Valley Park			Seigle 303		Leon
Webster	Seigle 304	Wendy				
Wentzville	Second Floor Hall	Phil				
12:00	LUNCH ON YOUR OWN					
1:00-3:30	Engineering Design Challenge , Intro, Design, Evaluation, Debrief, Journaling, STEMitizing Organizer	Team up to solve a problem	All	Lab Sciences 300 Auditorium	Binders, tablets, bamboo, tape, trash bags, cardboard, string, handouts	Barbara (assisted by Wendy, Bev, Orlando)
3:30-4:00	CLOSURE AND EXIT SLIP	Reviewing, celebrating	All	Lab Sciences 300 Auditorium	Tablet	Billie, Joan

6/14/2018

STEM Teacher Quality Institute
July 9-20, 2018



OPENING/CLOSING

Amy, Melanie	M
Leon, Joan	T
Sherita, Phil	T
Billie, Bev	W
Wendy, Nancy	W
Orlando, Phil	Th
Barbara, John	Th
Melanie, Sherita	F
Billie, Joan	F

Two times in first week

Melanie
Sherita
Billie
Joan

SECOND WEEK

Amy, Bev

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STEM Teacher Quality Institute
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