# **2020 Virtual Research Experience for Teachers (V-RET) Program ActivitiesJUNE 24-30**

**Pre-Summer**

* RETs view video(s) of past RET lessons
* Complete pre-summer surveys
* Upload pictures & biographies
* RETs check internet/WIFI capabilities from remote (home) locations

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Summer Activities:**

**WEDNESDAY, JUNE 24 (9:30am – 3:30pm)**

9:30am- 9:45am WELCOME & OVERVIEW
9:45am-10:30am Individual Introductions & Building Relationships amongst cohort

10:30am-10:45am BREAK

10:45am-12:00pm Successful Strategies to Engage all Students in STEM
 Facilitator: Tricia Berry, UT Women in Engineering Director

12:00pm-1:00pm Lunch

1:00pm-2:00pm Materials Science & Nanotechnology Seminars (running concurrently)
 Facilitator: MRSEC & NASCENT Faculty

2:00pm- 2:15pm BREAK

2:15pm-3:15pm Overview – Small Group Projects & Office Hours

 Facilitators: Previous RETs

3:15pm-3:30pm Book Study Prompt

**THURSDAY, JUNE 25 (9:00am-3:30pm)**

9:00am-11:45pm Blended Learning Workshop
 Facilitators: UTEACH Blended Learning Staff

11:45pm-12:45pm Lunch

12:45pm-1:30pm Infographic Creation

1:30pm-3:00pm Brainstorming – small group rotation w/previous RET lessons for classroom implementation
Facilitators: NASCENT/MRSEC & previous RETs

3:00pm-3:30pm Infographics shared on Flip Grid (independent work time)

**FRIDAY, JUNE 26 (9:30am-3:30pm)**

9:30am-9:45am Opening/discussion of Book Study

9:45am-10:45am Two Research Seminars running concurrently

 CISTAR Research Seminar
Speaker – Professor Joan Brennecke, UT Austin

 Nanotechnology Seminar

 Speaker – Professor Deji Akinwande, UT Austin

10:45am-11:00am BREAK

11:00am-12:00pm Engineering Literacy & How Engineers Think
Small group facilitated discussion

12:00pm-1:00pm Lunch

1:00pm- 3:00pm Small group work session
Facilitators: Previous RETs

 3:00pm-3:30pm Whole Group Share

**Monday, June 29 (9:30am-4:00pm)**

9:30am-9:45am Opening/discussion of previous day

9:45am-10:45am Informal Science Inside/Outside of the Classroom & NISENET Resources
Facilitator: Vanessa Westbrook (consultant w/NSTA, TSTA, and TEKS science author)

10:45am-11:00am BREAK

11:00am-12:00pm Approaches for K-12 STEM integration
Speaker: Prof. William Oaks (Purdue University)

12:00pm-1:00pm Lunch

1:00pm-2:15pm Careers in Science/Engineering Panel

2:15pm-2:30pm BREAK

2:30pm-4:00pm Small group work session on lessons
Facilitated

**Tuesday, June 30 (9:30am-3:00pm)**

 9:30am-9:45am Opening/discussion of previous day

 9:45am-10:45am Virtual tools training – Desmos & Padlet
Facilitated by Kim Collins

10:45am-12:00pm Work session on lessons
Office hours w/facilitators

12:00pm-1:00pm Lunch

1:00pm-2:30pm Breakout by Centers (MRSEC/NASCENT/CISTAR) RET Share-Out of lessons

2:30pm-3:00pm CLOSING ACTIVITIES

**Post-Summer Follow-up:**

* Teachers roll-out the RET curriculum they modified to their classes
* Faculty, graduate student, staff visits to teachers’ schools where they can co-lead an activity or give a presentation to the students to assist in the roll-out of the RET created materials (could be virtual visits).
* Post-Summer Showcase where RETs gather (in-person or virtually) to demonstrate their activities to other teachers, school administration, and the local K-12 community