

Dear Ventura College Sabbatical Leave Committee,

This application for sabbatical leave is my first application for any leave since joining the faculty at Ventura College in 2015 (). During the past eight years, I have gone through the formal tenure process (2015-

1A) Compilation of prior/current lab exercises.

The current labs include custom handouts developed by individual instructors on a semester-by-semester basis. These have been shared and heavily modified to an extent that can result in students receiving diverse experiences from other students within and across semesters of

Chemical variables are measured in our current labs using pH meters, micropipettes, and other tools that range in price from modest to substantial. In addition to these tools, working with chemicals also requires sinks, safety equipment, and a careful consideration for the storage, transport, and/or disposal of any hazardous chemicals. In order to use any type of chemicals in a lower-resource-intensive setting such as a non-purpose-built space at our current East Campus, the labs must be rethought and reorganized to use less expensive equipment, less hazardous chemicals, and less reliance on infrastructure such as industrial sinks or glassware. One strategy for this has been successfully used by our department! During 2020, several instructors for some of our lab courses developed "kitchen chemistry" –type laboratories for students to complete in their own homes. Some of these relied on kits that our support staff created and that the students took home. All of these labs relied on non-hazardous chemicals, and inexpensive equipment that could be sourced for all students at students at utu ral-3 (st)6 (up)9 (n)5 complete

these courses directly and indirectly. My second source of information for this research will be Program Review submissions, resource requests, and funded items from all departments in the Science division for the past five years. This data will highlight the priorities that faculty, staff, and administrators have placed on instructional, support, and equipment in the Sciences at VC. My final source of information for this budget research will be the several grants that have