

Instructional Technology Teacher Collaborative

How do we cultivate innovative thinkers in our classrooms?

The Tam District is offering a professional development program that codifies the most effective instructional, technological, and facilitative strategies to enhance student and adult learning across TUHSD. Utilizing a problem based methodology, this collaborative seeks to provide teachers with the theory, practice, and tools required to design and implement problem based learning experiences for learners that mimics the culture and climate of the most innovative 21st Century work environments, accelerates the learning of program goals and 21st Century skills (e.g. collaboration), and tackles rigorous and relevant problems across the globe.

Purpose

The purpose of the ITTC is to enhance teachers' ability to employ innovative methodologies that substantially impact student learning on established program goals and leverages students' and teachers' intrinsic motivation through the process of problem solving, product development and implementation, and integration of content, 21st Century skills (e.g. collaboration), and technology utilization.

Strategy and Activities

Who should participate: Permanent status TUHSD teachers who are committed to finding innovative approaches to meet district' strategic priorities and are seeking growth opportunities in instructional technology). There are no prerequisite requirements regarding technology, facilitation, and problem/project based learning.

What technology devices will be used: All participating teachers will be provided with an iPad for their use and each will receive within one school year supplemental technology to support instruction in their classroom.

Compensation: Teachers will be compensated at the hourly rate for meetings that occur outside of the regular school day.

What is the commitment?

The ITTC is a two year program.

The first year teachers will focus on problem/project based learning design, implementation, and impact of instructional practice as related to student progress and proficiency. Additionally, collaborative protocols (e.g. critical friends, tuning protocols) and technological strategies to enhance formative assessment and clarity of outcomes will be covered during the first year.

First Year Participants:

Expectations

- Attend a four day summer workshop on problem/project based learning in a collaborative, technologically infused classroom.
- Attend 1 two hour training session each month
Please review the *Professional Development Plan and Schedule*
- Contribute within an on-line collaborative space
- Document (e.g. video) experience of professional development

Deliverables

- Present two problem/project-based units to collaborative peers, receive feedback on projects before implementation, and present student learning impact data at the conclusion of each project
- Post student generated, technology infused, products, with assessment information on Edmodo
- Lead a collaborative protocol among peers and students (PLC, ITTC) and debrief protocol utilization amongst ITTC members.
- Showcase a formative assessment classroom scenario with ITTC members utilizing technological tools
- Produce a presentation about the overall learning changes for students and adults relating to collaboration, technology, problem/project methodology utilization
- Develop a suite of technology resources to support teachers in future problem/project based work.
- Evaluate projects on ITTC project rubric

Second Year Participants will be required to:

Expectations

- The second year of the ITTC will focus on fine tuning formative assessment practices in the classroom, utilizing communication techniques and applying those techniques to collaborative theories that enhance overall classroom health, and pedagogical and technological approaches that support students in meeting 4.0 level performance tasks.
- Year 2 ITTC members will be expected to contribute to critical friends reviews, microteaching events, lead online and on sight discussions, mentor, and share project work with new cohorts

Deliverables

- Build a project library that aligns with program goals of TUHSD
- Share student performance on 4.0 level performance tasks, student perception of preparations towards meeting 4.0 level performance tasks, and technological tools that supported students in meeting performance tasks.
- Demonstrate and receive feedback on current formative assessment techniques to cohort members
- Present one problem/project-based units per quarter to collaborative peers, receive feedback on projects before implementation, and present student learning impact data at the conclusion of each project
- Evaluate projects on ITTC project rubric

The district will provide each participant with an iPad and appropriate software to support their work.

Professional Development Plan and schedule

Meeting type	Content	When/where
Summer Institute (Year 1)	<ul style="list-style-type: none"> • Project Introduction • Project Design (Program Goals, Proficiency Scales, Entry Events) • Project Implementation (Project Process Activities, Instructional Events, Team Dynamics) • Project Impact (student progress, curriculum, instruction, and assessment review, participant data) • Technology Tools to enhance design, implementation, and impact) • Critical Friends Protocol Review 	June 17th, 18th, & 19th Redwood 2020
Deep Dive Workshops	<ul style="list-style-type: none"> • Workshops will be designed and facilitated based on ITTC member interest 	August 14 th -15 th
Meeting of the Minds	<ul style="list-style-type: none"> • Project Implementation Workshop (Formative Assessment) • Critical Friends Review 	August 26th 4:00-6:00 p.m.
Tech Talk	<ul style="list-style-type: none"> • Tech Tool Workshop (Podcasting, podcasting) 	September 16th, 4:00-6:00 p.m.
Meeting of the Minds	<ul style="list-style-type: none"> • PBL Workshop (Differentiation) • Project CFG 	October 14th, 4:00-6:00 p.m.
Meeting of the Minds	<ul style="list-style-type: none"> • PBL Workshop (Culture and Climate) 	November 4th 4:00-6:00 p.m.
Tech Talk	<ul style="list-style-type: none"> • Tech Workshop 	January 20th 4:00-6:00 p.m.
Meeting of the Minds	<ul style="list-style-type: none"> • CFG- Project Design (Project II) • PBL Workshop (Student Voice and Choice) 	February 24th, 4:00-6:00 p.m.
Meeting of the Minds	<ul style="list-style-type: none"> • CFG- Project Design • PBL Workshop (Group Dynamics) • Tech Talk 	March 24th 4:00-6:00 p.m.
Tech workshop	<ul style="list-style-type: none"> • Work time on final film 	April 21st 4:00-6:00pm
Culminating Event	<ul style="list-style-type: none"> • Culminating Event (Year I) 	May 12 th 4:00-6:00 p.m.