

Yonkers SMART Start
Professional Development Session at Gorton High School
Tuesday, November 2, 2021

Facilitators for CTSC: Karen Kirsch Page, Jackie Pilati

Today's Goals:

Together we will explore ways to design inquiry-based learning environments through transdisciplinary project design. Participants will identify a project or unit of study and use a backward design approach to design a standards-aligned creative project for their students. Interactive, experiential and social learning will support the building of strategies and sharing of ideas and feedback.

AGENDA

| Time | Agenda Item |
|---------------------|--|
| 9:00 am - 9:20 am | Welcome, Introductions, Goals and Overview |
| 9:20 am - 9:30 am | Pre-questionnaire |
| 9:30 am - 10:30 am | Inquiry-Based Learning - Developing a Shared Language and Understanding |
| | Project-Based Learning (PBL) |
| | Transdisciplinary Project Design |
| 10:30 am - 10:40 am | Break |
| 10:40 am - 12:00 pm | The Engineering Design Process (EDP) (Ecuador + MB video) |
| 12:00 pm - 1:00 pm | Lunch |
| 1:00 pm - 2:15 pm | Targeting the Project |
| | Taking a Backward Design Approach |
| | Getting Feedback on Design Progress - Critical Friends Protocol |
| 2:15 pm - 2:45 pm | Share outs, Shout Outs |
| 2:45 pm - 3:00 pm | Next Steps: Finishing the Design, Involving Colleagues, Implementation Considerations, Future Sessions |

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SESSION RESOURCES

- Blind Lyle Films. (2012). Adaptive Design - Design a World to Fit Your Needs. Youtube. Retrieved November 2, 2021, from <https://youtu.be/V-P2QmJYbJo>
- Design Squad Global. (2016). Kid Engineer: Lunch Table | Design Squad. Youtube. Retrieved November 2, 2021, from <https://youtu.be/Zx2mwh-Jps0>
- Edutopia. (2014). Five Keys to Rigorous Project-Based Learning. Youtube. Retrieved November 2, 2021, from https://youtu.be/hnzCGNnU_WM.
- Learning for Justice. (2020). Social Justice Standards The Teaching Tolerance Anti-Bias Framework. Retrieved November 2, 2021, from <https://www.learningforjustice.org/sites/default/files/2020-09/TT-Social-Justice-Standards-Anti-bias-framework-2020.pdf>
- PBLWorks. (2019). Water Quality Project. Youtube. Retrieved November 2, 2021, from https://youtu.be/0E_GYEaq5Xg
- PBLWorks. (2019). Gold Standard PBL: Essential Project Design elements. Retrieved November 2, 2021, from <https://www.pblworks.org/what-is-pbl/gold-standard-project-design>
- Vasquez, J. A. (2015). STEM--Beyond the Acronym. *Educational Leadership*, 72(4), 10-15.
- Wiggins, G. P., & McTighe, J. (2005). *Understanding by design*. ASCD.
- Wolpert-Gawron, H. (2016, August 11). *What the heck is inquiry-based learning?* Edutopia.