

Caravan of Knowledge: Title and Summary

Title: Using Design Thinking, Observation and Discovery to promote student agency in Stem Education by Ted Malfyt - [@TedMalefyt](#)

Using Design Thinking to promote student agency in Stem Education

Summary: As education continues to promote student centered experiences that build important success skills, it is important to develop tangible tools, routines and structures that support the actual teaching practices. In this session participants will explore design thinking within stem projects to promote student agency. Design Thinking is a structured process that helps support the work of solving complex and difficult problems. As a result, fresh looks into observation, discovery and wonder will anchor the important work of helping each student find their voice and transition into more than problem solvers... problem finders!

Shared Resources

These design thinking sites include valuable methods, protocols and ideas to incorporate into your project sequence.

- [Design Kit](#)
- [Design Thinking For Educators](#)

This website is a great place to access protocols and games to use in your project to help students move from beginning to end.

- [Gamestorming](#)

When it comes to providing students a chance to use their observation skills to drive the process, these resources provide a lot of guidance and inspiration!

- [Nature Journaling With John Muir Laws](#)
- [Investigating Evidence: The Cornell Lab](#)