

I&I Distance Learning Planning

[Brainstorm Idea for Courses](#) [Essential Curriculum](#)

Step 1: Idea Sharing and Curation

Who: Anyone

Task: As resources are shared and ideas/unites are curated, please link them into this table. If Links are not available yet, simply put the information you are able to share at that time

Topic	Description	Links	# of days	Author/Creator
Inventing 101	Inventing Process	Inventing 101	5	Adapted by Ron Averill
Robotics	Vex Virtual Robotics Unit	UNIT	8-10	Casey Day
Engineering Design Process	Cardboard Arcade	Caine's Arcade & Cardboard Challenge	10	Todd Zinn
Computer Science	Computer Science	Intro to CS I Intro to CS II	10 (5 for each)	Bill Kinloch
Engineering Design Process	Recyclable Creations	Recyclable Creations	5	Tyler Myers
Critical thinking- build off of Lab 21	Critical Thinking	Critical Thinking & the Coronavirus	5	Joe Daly
Computer Science	Computer Science	Computer Science Coding Choice Menu	5	Casey Day
Tinkercad	3D Design	Intro to Tinkercad Refresher to TC Part 1 (adapted) Part 2 (adapted)	varies	Gary Thomas Adapted by Bill Kinloch
Screencastify	Using Screencastify	LINK	5	Shelly McGaughey
Engineering Design Process	Radioactive Ping Pong Balls	LINK More Info		Korbin Shoemaker
Inventor's Week	Research an Inventor	Inventor's Week	5	Todd Zinn
Inventor's Week	Research on an Inventor	Model	5	Amanda Robinson
Schoology	Schoology scavenger hunt	Scavenger Hunt		Chris Schlee
Teach the Teacher	How To Projects for students	Link	5	Charles Smith adapted by Todd Zinn

Rube Goldberg & Simple Machines		Paper Copy for Printing		Paper copy adapted by Todd Zinn
Coding	Video Game Design Challenge using Scratch	Design Challenge		Gary Thomas
Google Doc/Slides	Google Doc & Google Slides Scavenger Hunt	Docs Slides		
Engineering Design	Touch the Ceiling challenge	Design Challenge		
Engineering Design	takes a project someone did and has students backwards map through the design process. Using it as a summative check.	Squirrel Ninja Warrior Squirrel Ninja Warrior		Casey Day Joe Daly

Step 2: Modified Scope and Sequence

Who: Designated Teacher Leaders

Task: After the above table is filled out, designated teacher leaders will organize the ideas into a modified scope and sequence that teachers have the option of following.

Week	Topic	Links	Additional Info	Author/Creator (optional)
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Step 3: Schoology Blueprint

Who: Designated Teacher Leaders

Task: Create a schoology blueprint by taking the above documents and lessons and putting them into a schoology course that can be then transferred into “Resources” for teachers to pull from and assign to their classes.

1. Create a Course
2. Name is “Blueprint: (Course name)”
3. Ex: “Blueprint: Invention and Innovation”
 - a. [Link it in this document.](#)
 - b. AND HERE--->
4. Add curriculum writers
5. Make the curriculum “Admin”
6. Create the Course
7. Vet and Finalize
8. Copy to District Resources and CTE Group Resources.