Summer & Fall 2020 Professional Development

Presentation to the IPS School Committee

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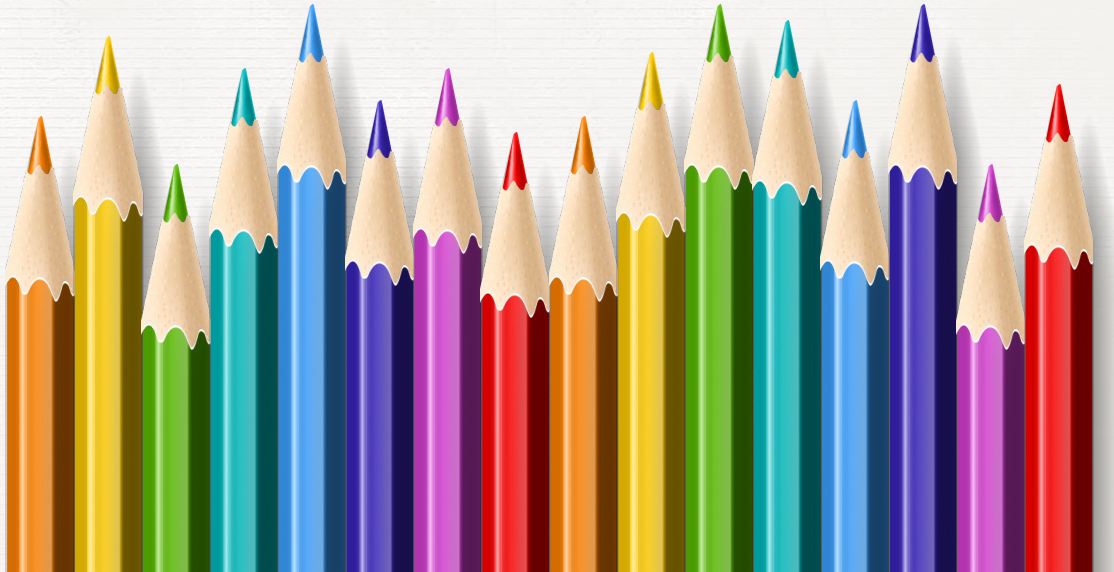
October 1, 2020



Summer-Fall 2020 PD Goals:

- ✘ Complement the IPD Curriculum Review Cycle:
  - Mathematical Thinking
  - Computer Science
  - History & Social Sciences
- ✘ Build an awareness of Anti-Bias & critical social justice topics
- ✘ Digital tool & instructional method preparation for high quality Hybrid and Remote Learning

Ipswich Public Schools

Pre-K - 12 Curriculum Review & Successful Habits of Mind Cycle, 2018-2023

Guided by the Habits of Mind & DESE's timeline of new/revised standards, this plan is a view of district-level facilitation of the IPS curriculum review cycle. The Compass Committee will have subcommittees focusing on the areas in the "Review, Unpack and Plan" & "Develop and Implement" parts of the cycle. Come join the conversation!

	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023
Habit of Mind Focus:	Critical Thinking & Creativity II	Critical Thinking & Self Management I	Critical Thinking & Self Management II	Critical Thinking & Perserverance I	Critical Thinking & Perserverance II
Review, Unpack & Plan	History & Social Sciences World Language	Arts English Language Arts & Literacy	Comprehensive Health World Language	English Language Development	Mathematics Science & Technology Engineering
Develop & Implement	Digital Literacy & Computer Science	History & Social Sciences World Language	Arts English Language Arts & Literacy	Comprehensive Health World Language	English Language Development
Develop & Implement	Mathematics Science & Technology Engineering	Digital Literacy & Computer Science	History & Social Sciences	Arts English Language Arts & Literacy	Comprehensive Health World Language
Develop & Implement		Mathematics Science & Technology Engineering	Digital Literacy & Computer Science	History & Social Sciences	Arts English Language Arts & Literacy
Assess & Revise			Mathematics Science & Technology Engineering	Digital Literacy & Computer Science	History & Social Sciences
Assess & Revise				Mathematics Science & Technology Engineering	Digital Literacy & Computer Science

Review, Unpack & Plan: Match up current IPS curriculum with MA standards to identify areas of need.

Develop & Implement: Provide time, resources & PD to cultivate & create needed curriculum. Bring to classrooms; share in Learning Cycles for feedback; gather data.

IPS Curriculum Review Cycle

Summer PD by the numbers:

9

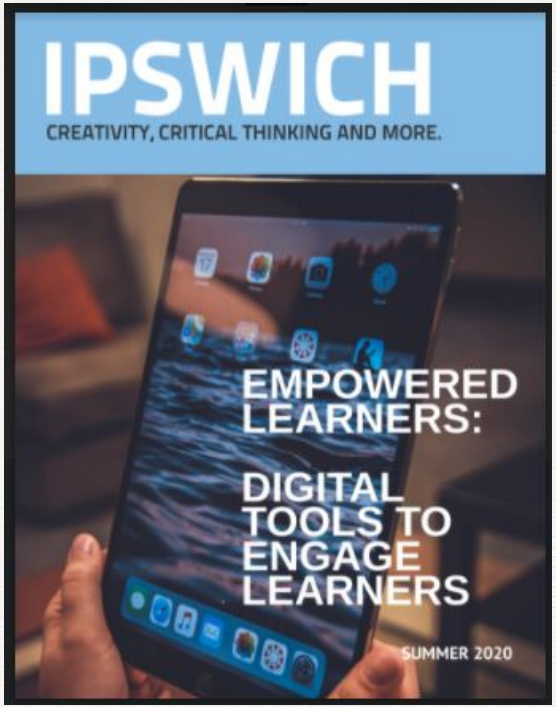
Course opportunities

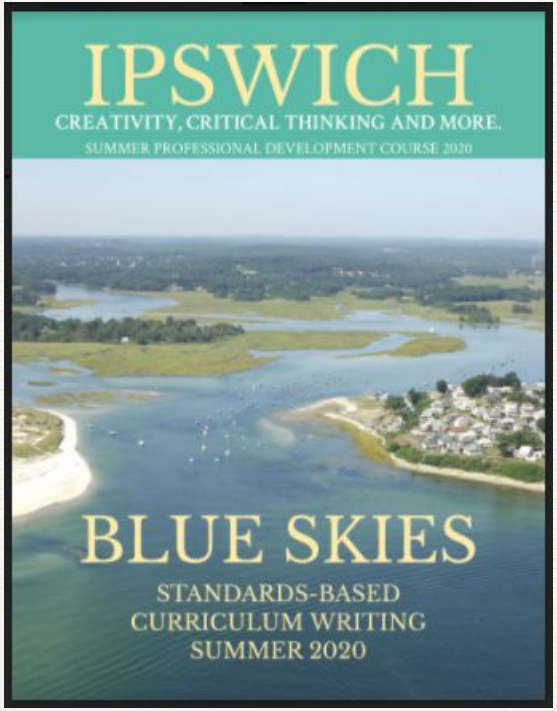
287

Course seats

60

Curriculum units written in district "Understanding by Design"-style & ready to go in Remote, Hybrid or Full models





Click on the magazines to view!

Unit: Percents, Math, Grade 7

Teacher: Lorenz

Stage 1: Desired Results

Curriculum Standards

7.RP Ratios and Proportional Relationships
A. Analyze proportional relationships and use them to solve real-world and mathematical problems.
3. Use proportional relationships to solve multi-step ratio, rate, and percent problems.
For example: simple interest, tax, price increases and discounts, gratuities and commissions, fees, percent increase and decrease, percent error.

7.EE Expressions and Equations
A. Use properties of operations to generate equivalent expressions.
2. Understand that rewriting an expression in different forms in a problem context can shed light on the problem and how the quantities in it are related.
For example, $a + 0.05a = 1.05a$ means that "increase by 5%" is the same as "multiply by 1.05." A shirt at a clothing store is on sale for 20% off the regular price, "p". The discount can be expressed as 0.2p. The new price for the shirt can be expressed as $p - 0.2p$ or $0.8p$.

Enduring Understandings	**Essential Questions**
• Percents and equations can be used to solve real world problems • There are multiple strategies that can be used to solve math problems. • Many real world math problems require multiple steps to solve.	• How can I write, solve, and use percentage problems in my own life? • How does creating an algebraic equation represent real life situations? • How do you know if your answer is reasonable?

21st Century Skills
Ipswich: Successful Habits of Mind

Critical Thinking, Collaboration, Communication, Perseverance

Expectations for Student Learning

Content **Students will know....**	**Skills/Habits** **Students will be able to...**
• How to find percent problems using the "benchmark" method. • How to find percent problems using the "percent of" method. • How to find percentages using the proportion method.	• Convert a percent to a decimal and a percent to a fraction • Find 10% of a number. • Find the percent of a number. • Solve percent problems using four different methods.

IPS Curriculum Unit Template

All curriculum units are written in our district's "Understanding by Design" style & include Remote, Hybrid & full preparation.

	Communicating with Students	Organization	Engagement	Content	Students Demonstrating Learning
Description	**What channels will you have accessible to communicate with your students?** Think about the two different pathways and the tools that you already established and which ones you would like to add: **synchronous:** students must be present at the same time *examples: all students attend a scheduled virtual class via a Zoom/Hangout link, use a backchannel for added text conversations* **asynchronous:** students don't need to be present at the same time to access the material or conversation *examples: ongoing text-based discussions, watch a recorded video*	**How will you organize your directions, lessons, content and communication for yourself, students, and families?** Start with considering the learning management platform for delivering assignments, collecting student work, posting due dates and announements. Our survey revealed that a simple and streamlined approach used consistently was most supported and utilized by students and families. Use digital tools in a way that offers one central hub where students can access all of the materials and communication they need to be active participants in Remote Learning	**How do we engage learners when we are not together physically? What does a lesson look like when considering learning possibilities such as face-to-face, hybrid, and remote?** **Explore these Models and Thinking Routines when designing your lessons:** 7 Models of Blended Learning UbD Lesson Design Thinking Routines for Remote Learning 85 Thinking Routines from Project Zero	**What variety of content will you include in your lesson to meet the needs of all learners? Will it be content created by you or from an online source?** When preparing for partial or full remote learning consider how students are going to consume the content you assign. Offer a a variety of digital modalities such as: **Readings**: consider sharing settings and explore options for students to annotate **Videos**: Create a video of you teaching a lesson or a screencast using a whiteboard tool or annotation features on Screencastify. Access videos from online educational sources that delever content and engage your students. **Websites**: Share and embed links to online educational sites that deliver content. **Slideshows**: Create Google Slides presentations for students to work independently and access information as a resource or use Slides to create a hyperdoc experience. **Documents**: Many features of Google Docs can be used to organize text for students such as table of contents, bookmarks and tables.	**What digital tools are available to offer students choices to demonstrate their learning?** PBL Performance Tasks Formative and Summative Assessments **Products to Create:** Digital Books, Google Tours, Multimedia Collections, Podcasts, Videos, Digital Posters, Photographs, Websites, Blogs, Slides Presentations, Infographics, Sketchnotes and more.
Tools I Use or Plan to Use	**Video Communication** ☑ Zoom ☐ Hangouts Meet ☑ Screencastify ☑ Flipgrid ☐ Loom **Discussion Boards** ☐ Padlet ☑ Google Classroom **Text Based Communication** ☐ Hangouts Chat ☑ Email ☑ GSuite Comments ☐ Slack **Backchannel Discussions** ☑ Zoom/Hangout Chat ☐ Mentimeter ☐ YoTeach!	**Organizing Material** ☑ Google Classroom ☐ Seesaw ☐ Website/Blog ☐ Appointment Slots in Google Calendar ☑ Weekly/Daily Created Agendas (docs, slides) ☑ Hyperdocs ☐ Digital Notebook (Docs/Slides) ☐ Digital Progress Reports (Docs/Sheets) **Student Information System** ☑ Aspen **Communicating with Families** ☐ Website/Blog ☐ Newsletter (Smore, docs templates) ☑ Email ☐ Google Calendar	**Tools to Engage Students** ☑ EdPuzzle ☐ PlayPosit ☑ Kahoot ☐ Quizlet/Live ☐ Desmos ☐ Sildo ☐ Explain Everything ☐ Quizizz ☐ Socrative ☑ Jamboard ☐ Pear Deck ☐ Nearpod ☐ Equatio	**Created by Me** ☐ YouTube/Livestream ☑ Screencastify ☐ Edulastic ☐ Newsela, CommonLit, Readworks ☐ Loom ☐ Google Geo (Tour Builder, Earth) **Created by Others** ☑ Khan Academy ☑ YouTube ☐ PBS Learning Media ☑ Digital Textbook ☐ AP Classroom ☐ Personalized Math (ie. Dreambox, Freckle, Prodigy, Pearson Realize, Delta Math) ☑ Personalized Writing /Grammar/Vocab ☐ Personalized Reading (ie.Lexia) ☐ Audio (Listenwise, Storycorps) ☐ Mystery Science ☐ Virtual Field Trips ☐ DBQ ☐ BrainpopJr.	**Tools for Students to Create Products** ☑ Google Docs ☑ Google Slides ☐ Google Sheets ☑ Google Drawing ☐ Blogger ☐ Google Sites ☐ Anchor ☐ Logic Pro X ☐ 123Apps.com ☐ Book Creator ☐ Storyboard That ☑ Flipgrid ☐ Adobe Spark ☐ Soundtrap ☐ Google Tour Builder ☐ Final Cut Pro ☑ Google Photos
Other Tools I Use				Code.org	Code.org platform for webdesign and game building
Next Steps/To-Do				Create class lists on code.org and Khan Academy	
Hardware I Use or Plan to Use	☑ Laptop ☐ Chromebook ☐ Desktop ☐ Printer ☐ Document Camera ☐ IPad ☐ Hotspot ☐ Other (List Here):				

Fall PD by the numbers:

8-10

Hours of PD on Remote & Hybrid topics completed by each educator

50

Workshop choices on the IPS PD Choice Menu

252

Educators taking the PD & completing a pre- and post-reflection

IPS 8-10 Hours PD Choice Menu:

IPS Professional Development Learning Choice Menu: August 31-September 11, 2020 -- & Available throughout the School Year for You

#1: Here are your choices for taking 8-10 hours of PD to support you in Hybrid and Remote Learning. Please complete THIS FORM to make your 8-10 hours PD proposal. There's a second form to submit after you complete the 8-10 hours; see below the chart. Keep track of the courses and workshops you take. PDP's will be granted for all coursework here once you submit the completion form. Thank you!

Emma Pass Video Series: Click here for all! See the slideshows & recordings from the IPS 9/11/20 presentation here.	STEMScopes Video workshop series Email Tracy at twagner@ipsk12.net with the name of the workshop you'd like to take. *you will recieve an email to activate your Stemscopes account within 48 hours	Workshops on Zoom (Synchronous)	Self Guided Learning (Asynchronous)
1 hr. each: Getting Organized with Google Google Classroom 101 Digging Deeper with Google Classroom EdTech Tools to Facilitate Discussion for Synchronous and Asychronous Learning Rethinking Online Assessment for the Google Generation Fun & Fantastic Student Engagement	Each workshop below is designed to take 3 hours to complete: Achieving 21st Century Outcomes in the Virtual Classroom: Getting Started	Training Schedule week of Aug. 31st	Digital Tools Training Materials
	Building Community in the Virtual Classroom: Getting Started	Training Schedule week of Sept. 7th	Digital Tools Modules
1.5 hr each: EdTech Tools to Facilitate Discussion for Synchronous & Asynchronous Learning Engaging Hybrid Lessons with Little Learners *(with Emma Chitters)*	Establishing the Virtual Classroom: Getting Started	Training Schedule week of Sept. 14th and beyond	IPS Remote Learning for Teachers YouTube Channel Videos
2.5 hours total: Synchronous Teaching Online-Using Pear Deck	Implementing Meaningful Assessment in the Virtual Classroom: Getting Started		

#2: Here's the post- form to complete (click here) after you've taken the 8-10 hours of PD from the choice menu here. Thank you!

Robust Remote Learning Criteria

Drafted by the Nimble Committee & used to create & reflect on PD this fall.

IPS Robust Remote Learning Criteria:

- Engagement
- Looking after the Whole Student
- Relational Pedagogy
- Feedback and Assessment
- Expectations
- Flexibility
- Equitable Access

Some feedback from teachers on application of the PD to their classrooms:

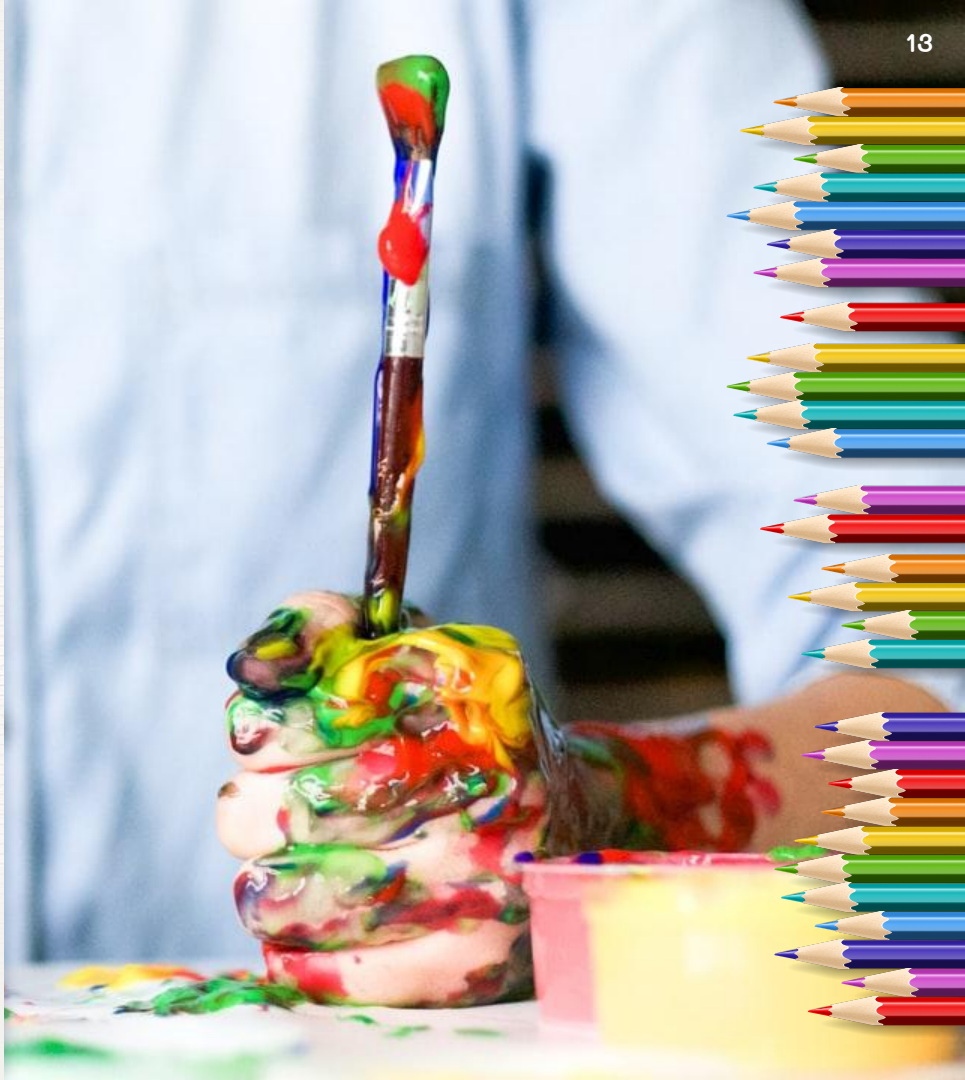
There are so many resources now! I am trying to be familiar with as many as possible so I can assist students in their different classes with whichever program the teacher is using.

I plan to: change to a virtual daily agenda so that both cohorts and remote students can more easily access the lesson; rely on Google Slides and Padlet as replacements for the traditional white paper and markers type activities; implement Parlay as a tool for encouraging (written) discussion in order to mitigate the difficulties of holding discussions on Zoom; present using extended desktop on Zoom; continue to utilize Zoom's breakout room features (although fine tune it from the spring)

I look forward to incorporating some of the new tools I have discovered like Screencastify and Parlay. I also like that all of these videos/zooms have been recorded **and can be used as a reference in the future!**

Next up: IPS PD Day

- Wednesday, October 14, 2020
- Conference-style & all virtual
- Focuses on "Self-Management" Habit of Mind -- especially as relates to social justice issues, student engagement and Hybrid and Remote Learning challenges.



Thanks!

Any questions?

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