

PDIG 17828 'How-To-Video Resources' Final Report – 2019

- 1. Project Description Describe/show to what degree the project was carried out as planned. Include what went well and what proved to be a challenge. Include a synthesis of your journal entries.**

WHAT WENT WELL:

Our math how-to video resources project has been very rewarding and productive, probably just as good as last year. Project participants created video resources with a partner or team of 3, the team found it pretty easy to create good resources, we discovered quickly it was the solutions that took the most time to digitize. This year we all used our videos more because seemed to always be getting new students, the videos and resources were used to catch students up on concepts they didn't understand or just happened to have missed because of illness/family trip/sporting competitions. We received positive feedback from our students, tutors and parents, even colleagues in other schools used the videos to help their students.

EVEN BETTER IF:

Our biggest challenge was being able to meet as a full team, as mentioned in the journaling, we had to split up due to a lack of supply teachers. As a team we worked really hard on solutions, very time consuming but we all know that is the reality of math and needing to post resources online. We could do the solutions by hand and post in pdf but all tried to do the work in word so it was neat, organized and consistent through all the levels.

JOURNAL ENTRY SYNTHESIS:

Each of our release days followed a very similar routing, we would start with a check in to see what was going well and how we could support each other. Even though we didn't always get to work as a full team we took the time to check in and see how we could help. As each new resource was created, a team member would review it for clarity. Then once solutions were done 1 of the team would validate the work... very time consuming but essential. Most of the team tested the resources out in their classrooms as bell work or extra practice so we could also have student feedback. This helped catch minor mistakes such as spelling or diagram clarity.

We all feel we have enhanced our individual web sites by adding the practice with solutions for most of subject key topics.

- 2. Project Goals Describe/show to what degree the goals of the approved project were met. If the goals were only partially met or not met at all, describe the reasons for this.**

Our project this year was successful, all teachers were able to create resources for almost every video created last year, in some instances we created more than 1 practice handout. The resources have been tested in class with students who missed school or required remediation to re-learn the content. None of us managed 100% because of the time-consuming solutions component. HOWEVER, we have agreed to try to add in the resources for topics that we missed so we will have them for next school year.

- 3. Project Outcomes Describe/show the gains that the participating teachers achieved through this project.**

As with any project, the time working together and discussing strategies as well as creating resources has created a collaborative working environment, where people support and help each other daily. Our math department collaboration has been really enhanced through this project. The quality of math support we offer students in our classrooms on a daily basis has improved tremendously, students can use the workstations in our classrooms to listen to videos and do the practice or they can do this at home.

Teachers sharing expertise and learning so much from each other creates a positive environment. The professional dialogue that is ongoing throughout our department was a wonderful addition. The sharing of skills, knowledge, experience, and tips/tricks is the best professional development a teacher can ask for! The collaborative work that was present throughout this project still continues in our daily lives at school, it is so motivating and makes work a more wonderful place to be. This project has truly enhanced the teaching and learning of mathematics at Hadley Junior and Philemon Wright High Schools.

- 4. Reinvestment Clearly describe how the resources created and/or the learning achieved by the participants can be of benefit to the educational community at large. If applicable, comment on whether or not this project should be carried out by other teams and if so, how it could be improved.**

The resources we created were all placed on our individual websites. We have shared our project with colleagues from other schools and our math consultant who has shared our resources.

This project idea for this helped us enhance a very successful PDIG from last year, the resources we have on our websites are available to any student/parent/tutor seeking support for a student. We feel that the resources created this year will once again help us to continue to reach a variety of students, such as students missing classes due to illness, holidays, sports, etc. When a student misses school and wants to catch up, they tend to struggle to do the work because they miss the lesson, the new skill, or the important steps to solve a question/problem. The how-to videos and resources will help students learn, re-learn, reach ahead or even catch up on important class work in order to help them be more successful in math.

- 5. ** Please include, along with your report, any supporting documents (created materials, videos, images, etc.)**

GOOGLE DRIVE LINKS TO FILES CREATED, BY LEVEL:

Grade 7: <https://drive.google.com/open?id=1uVRplO73M9vAqafluuv8P6cakFV8Htjn>

Grade 8: <https://drive.google.com/open?id=1la1qocccqTg8tfDcUIUAj-JgTnW3GCzDR>

Grade 9:

Grade 10:

<https://drive.google.com/drive/folders/1qMIN8gfZnNM6B1WFH43WbZELDqcUSILc>

Each of the teacher's in our project have great websites with all of the resources created through PDIG participation:

Joe Campbell, grade 7 math

<https://www.mrchadleytw.ca/>

Samantha Barnes, grade 7 math

<https://sites.google.com/site/sbarnesmath/>

Graeme LaChance, grade 7 math

<https://sites.google.com/view/mrlmath>

Colleen McKinnon, grade 8 math

<https://sites.google.com/site/mckinnonmath/home/grade-8>

Betsy Murphy, grade 8 math

<https://sites.google.com/site/murphymath/home?authuser=0>

Pat Audet, grade 9 math

<https://sites.google.com/view/mraudetsclassroom>

Marie Gervais, grade 10 CST math

<https://sites.google.com/view/mgervais>