Case Study # 1 Activity- students create a 5-minute video presentation

Students in an online course are asked to create a video introduction and share information about why they are taking the course, what they hope to learn, and about themselves. The instructor has created assignment text and placed it on the discussion board. The text explains the content, time limit, where to post the video and includes the names of a technology tool that they can use to create this video. The course opened for students at 8 am. It is now 2 pm, and the instructor has received four emails asking for help using the video creating tool to include how to use and what may be a computer compatibility issue. As she finishes emailing the students, three new emails arrive requesting help using the selected technology tool.

*Instructor notes:*
***Pinch point:*** *Emailing for help*

***Single stream:*** *Assignment text*

***Expansion:*** *Video demonstration, Tutorial with screenshots, links to tutorials, text tutorial, help desk information, troubleshooting document (FAQ),*

Case Study # 2 Imputing and analyzing data in SPSS

In week 3, students attend a course lecture on campus on how to analyze data from SPSS outputs. The lecture covers the basics of SPSS in screenshots and focuses more on analyzing the outputs. After attending the lecture, students are required to complete an assignment that requires them to import a data set into SPSS. During grading, the instructor notes that ¾ of the student's answers are wrong. Upon further investigation, the instructor finds that the students are inputting the data into SPSS incorrectly.

*Instructor notes:*
***Pinch point:*** *Assignment scores*

***Single stream:*** *Lecture*

***Expansion:*** *Live demo of entering data set, a video demonstration of adding data, step by step written Tutorial, step by step with screenshots tutorial, links to help videos, infographic*

Case Study # 3 Giving vaccinations

In week 5, students attend a skills clinic where they will prepare and administer vaccines via injection. In preparation, the instructor creates a word document that outlines the steps for preparing and administering the injection. On the day of the skills clinic, the instructor assigns partners and the task. Students raise their hands, asking for help because they are not comfortable administering the injection and want the instructor to review the steps.

*Instructor notes:*

***Pinch point:*** *Students asking questions*

***Single stream:*** *Document outlining the steps*

***Expansion:*** *Live demonstration, video demonstration, step by step tutorial with images, practice on a mannequin before a live person, infographic*

Case Study # 4 Math equations in a case study

After reading a chapter in a textbook, students are assigned a case study assignment. The readings include 1 example of how to solve for risk. The assignment includes a question where students are required to calculate the risk of ovarian cancer among oral contraceptive users based on numbers in the case study. Students are emailing the instructor and posting on the general questions discussion board asking how to determine what numbers need to be used and where they go in the equation.

*Instructor notes:*

***Pinch point:*** *Students asking questions*

***Single stream:*** *Reading assignment*

***Expansion:***

· *Document outlining the steps on how to solve*

· *Math Terms cheat sheet for solving equations*

· *Live demonstration on how to solve a similar case study*

· *Video demonstration on how to solve a similar case study*

· *Step by step tutorial on how to solve*

· *YouTube videos (links)*

· *Khan academy videos (links)*

· *Practice problems with answer sheet*