

2023-2024 PDSAs

- Campus Club
- Improve Participation in Campus Club
- Campus Resources
- Raising faculty awareness of first-generation issues
- Hometown Ambassadors
- Research Resources

2024-2025 PLANNED PDSAs

- Campus Club
- Improve Participation in Campus Club
- Raising faculty awareness of first-generation issues
- Hometown Ambassadors
- Organizing Group Tutoring
- Math Anxiety
- BINGO Night

PDSA PROCESS

- We are learning that many of our change ideas are too broad to affect or study in a single semester.
- For next year, we are working on a mix of just a few broad reaching PDSAs and a greater number of focused, short-duration PDSAs that can go through multiple iterations of the PDSA process in a single year or semester.

PDSA COACHING EXPERIENCE

- Our barriers with the PDSA coaching are always issues with scheduling and locating files in Google Drive.
- Our student leadership are working on setting up regular (monthly) coaching sessions in advance to alleviate the scheduling issues.
- We need to better organize our institutional team and student Drives to make it easier for all team member to participate in the PDSA process.

SUMMARY

This year we recognized the difficulty of addressing broad change ideas within a single semester. So, in addition to a few broad-reaching PDSAs, we will incorporate a greater number of focused, short-duration PDSAs that can go through multiple iterations in a single year or semester. This strategy aims to facilitate effective implementation of changes while also allowing for flexibility and learning from multiple PDSA cycles.

We also got a first glimpse at promising institutional data regarding student engagement in club and persistence.

PHOTO HIGHLIGHTS



TIPS FOR OTHER INSTITUTIONAL TEAMS

How do we get students already engaged in other STEM clubs and majors to engage with our First2 Network club?

Test this new idea with us!

The STEM club in question will select a member to be the liaison to First2 Network club who will attend First2 Network meetings and club meetings and will supply detailed notes of meeting to the members of the student organization, particularly regarding opportunities that could benefit STEM majors within their own organization, identify opportunities for possible collaborations between the clubs and lead the collaboration with F2N club members in the planning and execution of such events, among other things.

For more details check out our New PDSA titled: Improve Participation of other Majors_First2_PDSA_Template_2024

HIGH LEVEL FINDINGS

We do not have any completed PDSAs for this cycle. The issue here is not producing ideas to test or writing the plan section (as seen on Figure 1), but it seems that these two aspects take most of the semester at the cost of implementation and iteration.

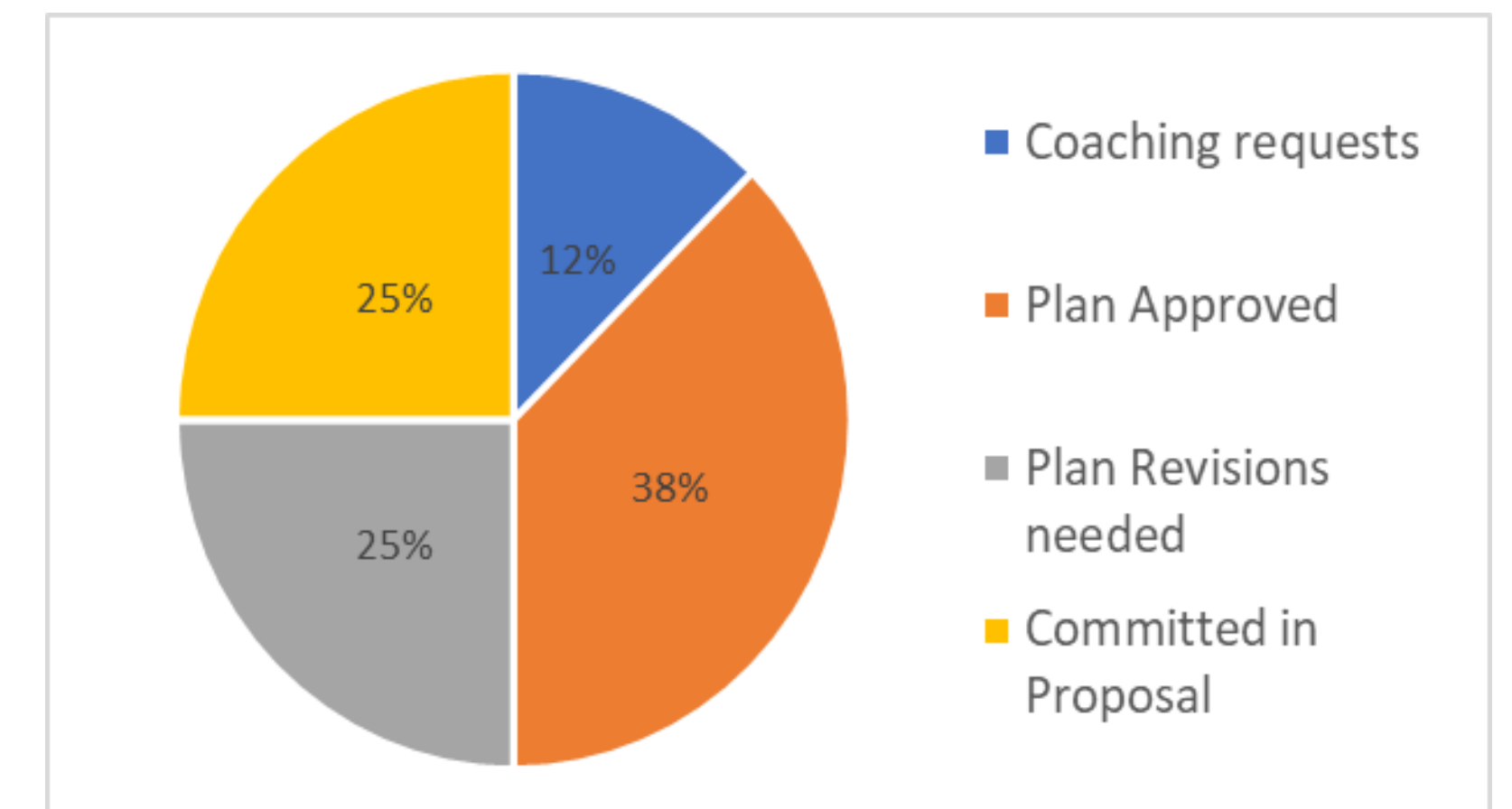


Figure 1. Status of PDSAs at WVU Tech for 2023-2024

DATA

On a different note: We recently synthesized some data regarding students participating on campus club and found the following:

Grouping	Counts	Average Institutional GPA	Percentage with GPA above 2.0	Percentage in Academic good standing
Club members	15	3.23	93	93
First Gen Club members	6	3.31	100	100
Other underrepresented club members	9	3.16	100	100
First Gen STEM students not in club	77	2.87	84	89

- Club members have higher GPAs than non-club members
- A higher percentage of club members are in academic good standing.

DISCUSSION & CONCLUSION

- Students in the club have access to many other resources which are likely impacting their success. So, although these data are promising, they do not reflect a direct cause and effect.
- The current club membership is a small fraction (18%) of all potential STEM majors who fit the criteria to belong to the club.
- Enhancing participation and engagement from students in other majors, especially on their crucial first year is an essential aspect that still requires ongoing attention which we hope to address with our new PDSA