

Openfloat V1 Project Schedule

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Project Start Date		9/27/2023 (Wednesday)		Display Week		4		Week 4				Week 5				Week 6				Week 7				Week 8				Week 9				Week 10				Week 11						
Project Lead		Caleb Flaim						16 Oct 2023				23 Oct 2023				30 Oct 2023				6 Nov 2023				13 Nov 2023				20 Nov 2023				27 Nov 2023				4 Dec 2023						
								16 17 18 19 20 21 22				23 24 25 26 27 28 29				30 31 1 2 3 4 5				6 7 8 9 10 11 12				13 14 15 16 17 18 19				20 21 22 23 24 25 26				27 28 29 30 1 2 3				4 5 6 7 8 9 10						
WBS	TASK	LEAD	START	END	DAYS	% DONE	WORK DAYS	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S
1	Concept development																																									
1.1	Propose Ideas	[Name]	Mon 9/25/23	Tue 9/26/23	2	100%	2																																			
1.2	Develop general science questions		Mon 9/25/23	Fri 9/29/23	5	100%	5																																			
1.3	Settle on idea		Thu 9/28/23	Fri 9/29/23	2	100%	2																																			
1.4	Brainstorm general design of project		Thu 9/28/23	Wed 10/04/23	7	100%	5																																			
2	Find and order parts																																									
2.1	Figure out variables to measure	[Name]	Mon 9/25/23	Fri 10/06/23	12	100%	10																																			
2.2	Determine sensors for measuring above variables		Sat 9/30/23	Fri 10/06/23	7	100%	5																																			
2.3	Order parts		Tue 10/10/23	Tue 10/10/23	1	100%	1																																			
3	Background research																																									
3.1	General literature/youtube review for project tech components		Mon 10/02/23	Sun 10/15/23	14	100%	10																																			
3.1.1	How do floats work?		Thu 10/05/23	Mon 10/09/23	5	100%	3																																			
3.1.2	Learn about ways to change a floats volume		Wed 2/14/18	Fri 2/16/18	3	100%	3																																			
3.1.3	Determine best float coding structure		Mon 10/09/23	Sun 10/15/23	7	70%	5																																			
3.1.4	Learn about state machines and how to code one		Mon 10/16/23	Sun 10/29/23	14	30%	10																																			
4	Electronics design																																									
4.1	Determine preliminary wiring		Mon 10/09/23	Sun 10/22/23	14	100%	10																																			
4.1.1	Read sensor/controller datasheets		Wed 10/11/23	Tue 10/17/23	7	100%	5																																			
4.1.2	Write/find test code for sensors		Sun 10/15/23	Sat 10/21/23	7	80%	5																																			
4.2	[Task]		Sat 2/17/18	Fri 2/23/18	7	0%	5																																			
4.3	[Task]		Fri 2/23/18	Sun 2/25/18	3	0%	1																																			
5	Electronics build																																									
5.1	Build electronics prototype		Fri 10/20/23	Sun 10/29/23	10	30%	6																																			
5.2	Test sensor functionality		Fri 10/27/23	Tue 10/31/23	5	0%	3																																			
5.3	Test data telemetry and range		Fri 10/27/23	Tue 10/31/23	5	0%	3																																			
5.4	Sanity check coding to verify functionality		Mon 10/30/23	Wed 11/01/23	3	0%	3																																			
6	General drifter programming																																									
6.1	Read sensor values and write to SD card		Mon 10/30/23	Wed 11/01/23	3	0%	3																																			
6.2	Send data files over Radio to "basestation" controller		Wed 11/01/23	Sun 11/05/23	5	0%	3																																			
6.3	Simulate float profile sequence (If time)		Sun 11/05/23	Wed 11/08/23	4	0%	3																																			
7	Drifter testing and deployment																																									
7.1	Test drifter in test tank		Mon 11/06/23	Wed 11/08/23	3	0%	3																																			

[illegible]