		Marine Snow	Challenge 8EDS
NAME:		DATE:	
STUDENT #:		TEACHER:	
Student	Sheet 1: Sink or F	loat- Predict, Obse	rve, Explain
<u>Event</u>	Predict	<u>Observe</u>	<u>Explain</u>
Describe the Event	What do you think you will see?	What did you see?	Why did that happen?
Oil and Water in a			
Graduated Cylinder			
Metal Cork vs. Wood			
Cork in water			
Ping Pong Ball vs. Golf			
Ball in water			
One LEGO vs. Five			
LEGOs in water			
Clay Ball vs. Clay Boat			
in water			
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		Marin	e Snow C	hallenge	8EDS
NAME:		DAT	E:		
STUDEN	Г #:	TEA	CHER:		
		Investigation Sho	eet 1		
Record the s cork in the g	steps in your procedure to raduated cylinder of water	test how to determine t	he number of w	ashers needed	to sink the
<u>DATA</u>					
Cork	Description of cork	Number of washers needed to sink cork	Mass of Washers	Mass of Paperclip ar	f Cork, Id Washers
1					
2					
This curriculu	im is produced by Advanced Manufacturing & Prot	uotyping Integrated to Unlock Potential (AMF	P-IT-UP), National Science For	undation Award #1238089. Geo	orgia Institute of



									Mar	ine	Sno	ow	Cha	aller	nge	8	EDS	
NAN	NAME:								C	_ DATE:								
STU	STUDENT #: TEACHER:																	
							Re	sults	s Gra	aph 2	2							
Place a point, r	an X i ound	n the l to the	oox ab neare	oove tł est wh	ne num ole nu	nber o mber.	f gran	ns of w	asher	rs it too	ok to s	ink yo	our cor	k. Ify	ou hav	/e a de	ecimal	
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19																		
18																		
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	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	31-32	33-34	
						Wa	asher	s in ar	amst	to sinl	< cork							

		Marin	e Snow Cl	hallenge	8EDS							
NAME:		DAT	DATE:									
STUDEN	Т #:	TEA	CHER:									
		Investigation Sh	eet 2									
Record the cork in the c	steps in your procedure to t	test how to determine	the number of wa	ashers needed t	o sink the							
DATA												
Cork	Description of cork	Number of	Mass of	Mass of	Cork,							
	(both descriptions should be the same)	washers needed to sink cork	Washers	Paperclip an	d Washers							
1												
2												
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N	AME	:		DATE:														
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						v	Vashe	ers in a	grams	s to si	nk co	rk					0	

		Marine Snow Challe	nge 8EDS
NAME:		DATE:	
STUDENT #:		TEACHER:	
	Student Sheet #7: Ma	rine Snow Lab Proposal	
You will need to Your proposal s • Your fi obtain • A list o • A list o • Your e	b communicate your model to y should include: nal procedure (the procedure from the more reliable data) f the different variables that you nee f all the sources of error that you ide vidence that the procedure produces	your research team in the form the second investigation with any ch ded to control entified. Is reliable data	I of a lab proposal.
Procedure:			
Controlled Va	nriables		

## Marine Snow Challenge 8EDS

Sources of Error

**Evidence of Reliable Data**