

December 2018 St. Anne's-Belfield School											
Time	December 2 (Sun)	December 3 (Mon)	December 4 (Tues)	December 5 (Wed)	December 6 (Thurs)	December 7 (Fri)	December 8 (Sat)	December 9 (Sun)			
7:00	Arrival and Check-in	Breakfast (7:00 - 8:00 am)		Breakfast (7:00-8:30 am)							
7:30											
8:00		8:00 - 9:00 am MBL Orientation & Safety Training (MRC 210?)		Morning Meeting and Daily Overview (8:30 - 9:00 am)							
8:30											
9:00		9:00 am-12:00 pm Collection, Biodiversity Assessment, and Identification <i>Dave Remsen</i> (Field & MRC Tank Room)		9:00 am - 12:00 pm In Vitro Fertilization and Injections <i>Marko Horb</i> (Loeb 160)		9:00 - 10:00 am Xenopus embryo sorting <i>Marko Horb</i> (Loeb 160)	9:00 am - 12:00 pm Imaging & 3D Reconstruction <i>Nipam Patel</i> (Loeb 263)	9:00 am - 10:30 am Data Analysis and Imaging from Mutant and Transgenic Frogs <i>Marko Horb</i> (Loeb 160)	8:00 am - 12:00 pm Coastal Ecosystems <i>Anne Giblin, Javier Lloret</i> (Field)		
9:30											
10:00											
10:30								10:30 am - 12:00 pm Coastal Ecosystems Overview & Preparation <i>Anne Giblin, Javier Lloret</i> (Starr 209)			
11:00											
11:30											
12:00		Lunch 12:00 - 1:30 pm in Swope PDR Overview of MBL and Science in Woods Hole (Lecture from 1:00 - 1:30 pm) <i>Kathryn Maxson Jones, McDonnell</i> <i>Foundation Scholar</i>		Lunch 12:00 - 1:30 in Swope Main Dining Meet & Greet MBL Scientists	Lunch 12:00 - 1:30 IN Swope Main Dining Meet & Greet MBL Scientists	Lunch 12:00 - 1:30 pm in Swope PDR History & Philosophy of Embryology (Lecture from 1:00 - 1:30 pm) <i>Kate MacCord, McDonnell Foundation Fellow</i>	Lunch 12:00 - 1:30 in Swope Main Dining Tour of Archives & Rare Books Collection (Tour from 1:00-1:30 pm) <i>Jen Walton, Director of MBL/WHOI Library</i>	Lunch 12:00 - 1:30 in Swope Main Dining			
12:30											
1:00											
1:30		1:30 - 5:30 pm Biological Imaging & Microscopy of Collected Specimens and Additional Species <i>Nipam Patel</i> (Loeb 160)		1:30 - 5:30 pm Imaging of Various Embryos <i>Nipam Patel</i> (Lillie Imaging Facility) CRISPR/Cas9 microinjections <i>Marko Horb</i> (Loeb 160 & 153) <i>*Session will be simultaneous breakouts for small groups of students to do imaging and gene editing</i>		1:30 - 5:30 pm Post-PCR Preparation of Amplicons for Sequencing, Nanopore DNA Sequencing <i>David Mark Welch, Aaron Pomerantz</i> (Loeb 160 & 153)		1:30 - 5:30 pm DNA Barcoding and Phylogenetic Analysis <i>David Mark Welch, Aaron Pomerantz</i> (Loeb 160 & 153)	1:30 - 2:30 pm Cephalopod Camouflage and Behavior <i>Roger Hanlon</i> (MRC 210)	1:30 - 5:30 pm Coastal Ecosystems <i>Anne Giblin, Javier Lloret</i> (Starr 228 & 209)	
2:00											
2:30											
3:00											
3:30								2:30 - 5:30 pm Testing Cuttlefish Camouflage <i>Roger Hanlon</i> (MRC 210 & 203)			
4:00											
4:30											
5:00											
5:30											
6:00			Dinner (5:30-7:00 pm)		6:00 - 8:00 pm Pizza, Popcorn, & a Movie at Whitehill Director's Residence	Dinner (5:30-7:00 pm)					
6:30											
7:00	7:00 - 9:00 pm Introduction to Embryology and Xenopus and Introduction to Genome Editing and Gene Structure <i>Marko Horb</i> (Loeb 263)		7:00 - 8:30 pm Imaging & Process Continued <i>Nipam Patel</i> (Loeb 263)								
7:30											
8:00											
8:30											
							Departure & Check Out				