**IB Physics**

Fluid Mechanics Syllabus

Chapter 10

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| A/B | Class | Due on this class: |
| 1  May  17/20 | Demos  **GW**-10.1 #1-3 Pressure, force, area  **GW**-10.1 #27-31 Density  **GW**-10.1 #37-44 Hydrostatic Pressure | **VF 10A, 10 B, 10C, 10F**  **Read:** 10.1-4 |
| 2  May  21/22 | Demos  **GW**-10.1 #32-36 Pascal's Principle  **GW**-10.1 #45-55 Buoyancy | **VF 10G, 10H**  **Read:** 10.5-7 |
| 3  May  23/24 | **GW**-10.1 #45-55 Buoyancy  **GW**-10.2 #6-10 Continuity  Thinking Physics quandaries | **VF 10I**  **Read:** 10.8 |
| 4  May 28/29 | Demos  **GW**-10.2 #11-20 Bernoulli  **GW**-FA10.1 | **VF 10 J**  **Read:** 10.9-10 |
| 5 May 30/31 | **SA10.1 (first 30 minutes)**  **VF**-10K Viscosity  **DI**-Stokes Law (10L) | Turn in FA10.1  **Read:** 10.11 |
| 6  June 3/4 | Demos  **GW**-10.2 #21-25 Stokes Law  **GW**-10.2 #26-30 Reynolds numbers | **VF 10M** |
| 7  June 5/6 | **GW**-IB Fluids questions  Fluids Lab  **GW**-FA10.2 |  |
| 8  June  7/10 | **SA10.2 (first 30 minutes)**  **IW**-IB Fluids Questions  **GW**-IB Fluids Questions | Turn in FA10.2 |

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| 2 Formative/ Summative Assessments: (10 pts)   * 10.1 - Fluid Statics * 10.2 - Fluid Dynamics   One Lab:   * Fluids Lab (20 pts) | Handouts:   * Worksheet-10.2-FluidDynamics * Worksheet-10.1-FluidStatics * FA10.1 * FA10.2 |