**IB Physics**

Fluid Mechanics Syllabus

Chapter 10

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| A/B | Class  | Due on this class: |
| 1May 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 |
| 2May 21/22 | Demos**GW**-10.1 #32-36 Pascal's Principle**GW**-10.1 #45-55 Buoyancy | **VF 10G, 10H****Read:** 10.5-7 |
| 3May23/24 | **GW**-10.1 #45-55 Buoyancy**GW**-10.2 #6-10 ContinuityThinking Physics quandaries | **VF 10I****Read:** 10.8 |
| 4May 28/29 | Demos**GW**-10.2 #11-20 Bernoulli**GW**-FA10.1 | **VF 10 J****Read:** 10.9-10 |
| 5May 30/31 | **SA10.1 (first 30 minutes)****VF**-10K Viscosity**DI**-Stokes Law (10L) | Turn in FA10.1**Read:** 10.11 |
| 6June 3/4 | Demos**GW**-10.2 #21-25 Stokes Law**GW**-10.2 #26-30 Reynolds numbers | **VF 10M** |
| 7June 5/6 | **GW**-IB Fluids questionsFluids Lab**GW**-FA10.2 |  |
| 8June 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
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