**IB Physics**

Fluid Mechanics Syllabus

Chapter 10

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| A/B | Class  | Due on this class: | If you miss this class: |
| 1Oct 3 | DemosResearch Proposals**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:** 10.1-4Watch: 10A, 10 B, 10C, 10F |
| 2Oct 5 | Demos**GW**-10.1 #32-36 Pascal's Principle**GW**-10.1 #45-55 Buoyancy | VF 10G, 10H | **Read:** 10.5-7Watch: 10G, 10H |
| 3Oct9 | **GW**-10.1 #45-55 Buoyancy**GW**-10.2 #6-10 ContinuityThinking Physics quandaries | VF 10I | **Read:** 10.8Watch: 10I |
| 4Oct 11 | Demos**GW**-10.2 #11-20 Bernoulli**GW**-FA10.1 | VF 10 J | **Read:** 10.9-10Watch: 10J |
| 5Oct 16 | **SA10.1 (first 30 minutes)****VF**-10K Viscosity**DI**-Stokes Law (10L) |  | **Read:** 10.11Watch 10K, 10L |
| 6Oct 18 | Demos**GW**-10.2 #21-25 Stokes Law**GW**-10.2 #26-30 Reynolds numbers | VF 10M | Watch: 10M |
| 7Oct 22 | **GW**-IB Fluids questionsDemo Lab - Absolute Zero**GW**-FA10.2 |  |  |
| 8Oct 24 | **SA10.2 (first 30 minutes)****IW**-IB Fluids Questions**GW**-IB Fluids Questions |  |  |
| 9Oct 30 | **IB Fluids Group Exam** |  |  |
| Nov 1 | **Demonstrations involving fluids and optics** | **Bring a ceramic mug** |  |

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| 2 Formative/ Summative Assessments: (10 pts)* 10.1 - Fluid Statics
* 10.2 - Fluid Dynamics

One Lab:* Absolute Zero (20 pts)
 | Handouts:* Worksheet-10.2-FluidDynamics
* Worksheet-10.1-FluidStatics
* FA10.1
* FA10.2
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