**IB Physics**

Fluid Mechanics Syllabus

Chapter 10

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| A/B | Class  | Due on this class: |
| 1Mar 17/18 | DI-Demos**IW**-10.1 #1-3 Pressure, force, area**IW**-10.1 #27-31 Density**IW**-10.1 #37-44 Hydrostatic Pressure | **VF 10A, 10 B, 10C, 10F** **Read:** 10.1-4 |
| 2Mar 19/20 | DI-Demos**IW**-10.1 #32-36 Pascal's Principle**IW**-10.1 #45-55 Buoyancy | **VF 10G, 10H** **Read:** 10.5-7 |
| **SpringBreakYaySpringBreakYaySpringBreakYaySpringBreakYaySpringBreak** |
| 3Mar 31/Apr 1 | **IW**-10.1 #45-55 Buoyancy**IW**-10.2 #6-10 ContinuityThinking Physics quandaries | **VF 10I** **Read:** 10. |
| 4Apr 2/3 | DI-Demos**IW**-10.2 #11-20 Bernoulli**GW**-FA10.1 | **VF 10 J** **Read:** 10.9-10 |
| 5Apr 6/7 | **SA10.1 (first 30 minutes)****VF**-10K Viscosity**DI**-Stokes Law (10L) | **Read:** 10.11 |
| 6Apr 8/9 | DI-Demos**IW**-10.2 #21-25 Stokes Law**IW**-10.2 #26-30 Reynolds numbers | **VF 10M** |
| 7Apr 13/14 | **GW**-IB Fluids questionsBernoulli PHET Lab**GW**-FA10.2 |  |
| 8Apr 15/16 | **SA10.2 (first 30 minutes)****IW**-IB Fluids Questions**GW**-IB Fluids Questions |  |
| Apr 17/20 | **Vaves! Ja!** |  |

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

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