



Dubai International Private School - BR.

DIPS, in partnership with parents and community, strives to ensure all students are digitally literate, lifelong learners, productive citizens and nurture their well-being in an inclusive learning environment.

"Empowering Minds, Inspiring Hearts, Shaping the Future"

“تمكين العقول، إلهام القلوب، تشكيل المستقبل”



List of Required Material AP Entrance Exam

Academic Year	2025-2026
Subject	Ap physics c Mechanics

Unit/Lesson No.	Lesson Name
1	KINEMATICS
2	FORCE & TRANSLATIONAL DYNAMICS
3	WORK, ENERGY & POWER



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List of Required Material

AP Entrance Exam

Academic Year	2025-2026
Subject	AP PHYSICS C -ELECTRICITY & MAGNETISM

Unit/Lesson No.	Lesson Name
1	ELECTRIC CIRCUITS



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List of Required Material

AP Entrance Exam

Academic Year	2025-2026
Subject	AP Chemistry

Unit/Lesson No.	Lesson Name
Unit 1:	Atomic Structure and Properties 1- mole calculation 2- Elemental composition of pure substance 3- Isotopes 4- Atomic structure and electron configuration 5- Periodic trends 6- Vence electrons and ionic compounds
Unit 2:	Compound Structure and Properties 1-Types of chemical bonds 2-Formation of covalent bond(potential energy) 3-Lewis Structure 4-Resonanace 5-VSEPR



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List of Required Material AP Entrance Exam

Academic Year	2025-2026
Subject	AP Biology

Unit/Lesson No.	Lesson Name
1	Chemistry of life
2	Cellular energetics
3	Cell communication and cell cycle
4	Heredity



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AP Entrance Exam List of Required Material

Academic Year	2025-2026
Grade	11
Subject	AP Microeconomics

Unit/Lesson Name	Unit/Lesson Pages
Unit 1: Basic Economic Concepts	Scarcity, opportunity cost, production possibilities curve, comparative advantage, economic systems, incentives, marginal analysis
Unit 2: Supply, Demand, and Market Equilibrium	Demand, supply, equilibrium price and quantity, shortages and surpluses, shifts in curves, elasticity, consumer and producer surplus
Unit 3: Market Structures and Government Intervention	Perfect competition, monopoly, monopolistic competition, oligopoly, production costs, externalities, taxes, subsidies, price ceilings, price floors



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AP Entrance Exam List of Required Material

Academic Year	2025-2026
Grade	12
Subject	AP Macroeconomics

Unit/Lesson Name	Unit/Lesson Pages
Unit 1: Economic Indicators and the Business Cycle	GDP, inflation, unemployment, business cycle phases, economic growth, standard of living
Unit 2: Aggregate Demand and Aggregate Supply	Aggregate demand, aggregate supply, equilibrium, shifts in AD-AS, recessionary and inflationary gaps
Unit 3: Fiscal Policy, Monetary Policy, and International Economics	Government spending, taxation, central banking, interest rates, money supply, exchange rates, trade basics



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AP Calculus Placement Test

List of Required Material

Academic Year	2025-2026
Subject	AP Calculus Prerequisites

Unit	Lesson Name
Unit 1	Algebra <ol style="list-style-type: none">1. Factoring2. Rational expressions3. Exponents and radicals
Unit 2	Functions and Graphs <ol style="list-style-type: none">1. Function notation2. Domain and range3. Graph interpretation
Unit 3	Lines and Rate of Change <ol style="list-style-type: none">1. Slope2. Equation of a line3. Tangent and secant lines
Unit 4	Trigonometry <ol style="list-style-type: none">1. Unit circle2. Basic trig functions3. Radian measure4. Solving trigonometric equations
Unit 5	Exponential and Logarithmic Functions <ol style="list-style-type: none">1. Exponential equations2. Logarithmic equations



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List of Required Material

Academic Year	2025-2026
Grade	10 , 11
Subject	AP Computer Science

Unit/Lesson No.	Unit/Lesson Name
Lesson 1	Creativity & Explore Performance Task
Lesson 2	Abstraction & Algorithms Overview
Lesson 3	Data and Information – Processing & Privacy
Lesson 4	Algorithms – Basics, Analysis, Limits
Lesson 5	Programming Fundamentals – Variables, Loops, Lists
Lesson 6	The Internet – Structure, Security, Scalability
Lesson 7	Global Impact – Ethics, Collaboration, Crowdsourcing
Lesson 8	Create Performance Task – Program Development