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education

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We know why you came into teaching; you wanted to improve the lives of young people. As part of one of the world's greatest universities – we share that mission with you. It is why we help to invest back into education and research, championing a love of learning across the world.

We have been publishing in cooperation with the IB for over ten years, creating resources that fully reflect the IB approach to teaching and learning, to ensure that your students are supported and engaged throughout their academic journeys, and ready for whatever comes next.



OXFORD

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New support for DP assessment

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IB Diploma Programme

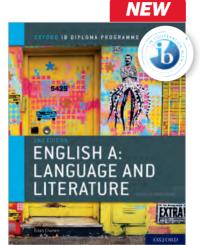
1 Readers, writers and texts

English A: Language and Literature

Discover clear, accessible support

Developed in cooperation with the IB, this concept-based Course Book fully reflects the new English A guide, for first teaching in 2019.

- Address all aspects of the new syllabus, including the new areas of exploration, conceptual understandings and global concerns
- Encourage reflection, inquiry and critical thinking through integrated support for TOK and ATL, plus guidance on the new learner portfolio
- Thoroughly prepare students for IB assessment via overviews of all components, exam-style practice questions and support for the new IA



0 ext is socially very simple. Lierk my hand away from the hot stove, and you can be sure that the context is socially very simple. I yerk my nand away from the not stove, and you can be sure that what goes through my mind in that split second is some version of "Ouch" But if the situation involves several people interacting with each other, and you observe what seems to be a tell-tale blush, a furtive glance, or a startled turn, you'd be naïve to think that you know what the observed person is thinking, no matter how well you know her.

In noves, it's the opposite. Writers and film directors construct extremely complex social contexts and movies, it's the opposite. Writers and film directors construct extremely complex social contexts and then make their characters look up alf-furn, blink, or gasp — and we know exactly what they feel just then (or will know by the end of the story). Often we are the only appreciative writesses of such involuntary displays of emotions (other characters around them are as clueless as we are, in real life).

Reality television producers routinely put people in situations in which they are embarrassed yet want to conceal their embarrassment, and we know that they are trying to conceal their embarrassment. We thus have direct access to their feelings in a complex social context — a treat for greedy mind-readers who have to contend with daily misinterpretation of mental states and resulting social failures.

Different generes and media – musicals, operas paintings, documentaries, and photographs – have different strategies for making us feel that we have just glimpsed a person's 'true' emotions. Old, obvious strategies become subject to subversion and parody, and new ones emerge. (Cinéma vérité spawned mocknumentaries: we were throm *Gimme Follert* to This Spirol Tay What remains unchange is a culture on the lookout for ways to deliver greedy mind-readers an illusion of perfect access to ntal states

Characters' thoughts in Literature

Characters' thoughts in Literature It is interesting that cognitive science is influencing the way that we think about minds in a work of fiction. The portrayal of the thoughts and feelings of a character is an obvious concern in literary works. In English literature, the Renaissance could be considered a time in which the portrayal of the inner conflicts of characters became of paramount concern of artists. While characters in folktales had personalities, perhaps, and while characters in medieval passion plays were the embodiments of certain human tendencies, Renaissance works certainly foregrounded in a different way the conflicting passions of characters in a way that hadn't been done before. The three passages below are from three different periods in English literature. Read through the passages and consider the ways in which authors reveal or portray the inner workings of characters' minds.

O, that this too, too solid flesh would melt,

ge. Hamlet has information that his father wa

ge 1: In this pa

O, that this too, too solid flesh would melt, Thaw, and resolve itself into a dew! Or that the Everlasting had not fix'd His canon 'gainst self-slaughter! O God! God! How weary, stale, flat and unprofitable, Seem to me all the uses of this world! Fie on't! ah fie! 'tis an unweeded garden, That grows to seed; things rank and gross in nature Possess it merely. That it should come to this! But two months dead: nay, not so much, not two: So excellent a king; that was, to this, Hyperion to a satyr; so loving to my mother That he might not beteem the winds of heaven Visit her face too roughly. Heaven and earth! Must I remember? why, she would hang on him, As if increase of appetite had grown By what if do can: and yet, within a month-Let me not think on't-Frailty, thy name is woman!--A little month, or ere those shees were old With which she follow'd my poor father's body, Like Niobe, all tears:-why she, even she-O, God! beast, that want slicecourse of reason, Would have mourn'd longer-married with my uncle.

uncle, My father's brother, but no more like my father Than I to Hercules: within a month: Ere yet the salt of most unrighteous tears Had left the flushing in her galled eyes, She married. O, most wicked speed, to post With such dexterity to incestuous sheets! It is not nori taonnot come to good: But break, my heart; for I must hold my tongue.

1 John Keats once said that Shakespeare was of such high achievement because he had, "Negative Capability, that is, when a man is capable of being in uncertainties, mysteries, doubs, without any irritable reaching after fact and reason." While Hamlet simply expresses his thoughts and feelings on the stage directly to the audience, how does Shakespeare manage to still embrace "uncertainties, mysteries and doubts?"



Conceptual understanding

lines 133-164 (1609)

Laurence Olivier in the 1948



English A: Language and Literature Course Book (2nd edition)

English A: Language and Literature (2nd edition)

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Course Book Early 2019	978 019 843452 8	£37.99
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Develop sensitivity to the formal and aesthetic qualities of texts and an appreciation of how they contribute to meaning. Know, understand and interpret a range of texts, works and/or performances, and their meanings and implications.
 Analyse and evaluate uses and effects of literary, stylistic, rhetorical, visual or theatrical techniques.
 Analyse and evaluate ways in which texts may offer perspectives on human concerns.

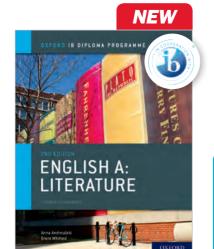
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English A: Literature

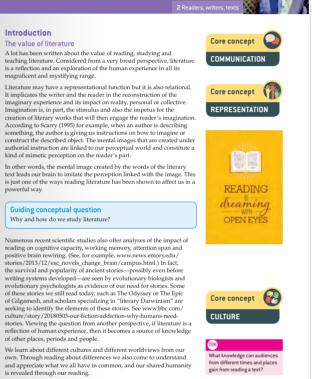
Deliver a rich, concept-based approach

Developed in cooperation with the IB, this rigorous Course Book provides a clear route through the new English A guide, for first teaching in 2019.

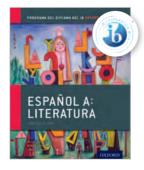
- Address all aspects of the syllabus via in-depth coverage of the new course structure and content, with plenty of engaging extracts and activities
- Develop learners' appreciation for the nuances of different text types, and the possibilities for connections across the syllabus
- Support assessment preparation with tips, exam-style practice questions, and support for the new IA







IB English A: Literature Course Book (2nd edition)



Español A: Literatura

Engage and inspire learners

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English A: Literature (2nd edition)

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Español A: Literatura

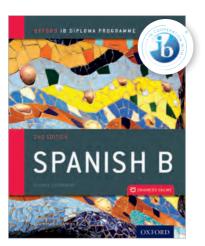
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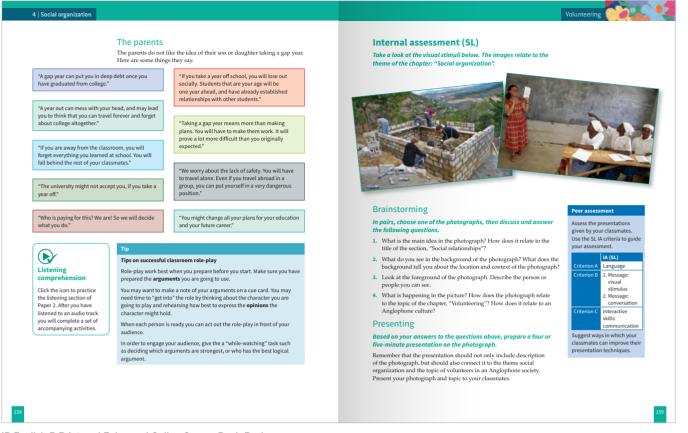
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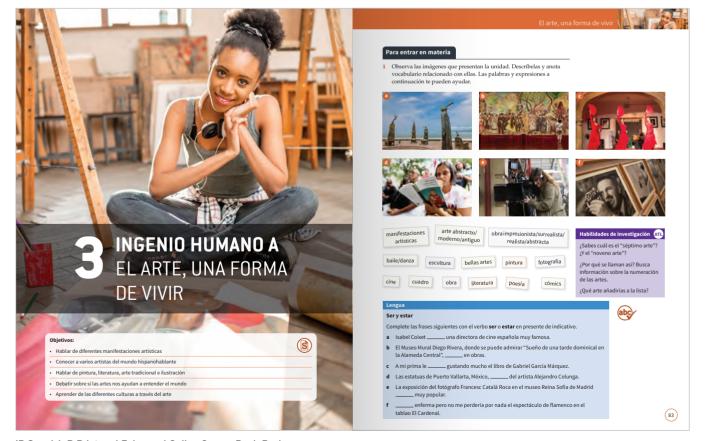
66So, we have a genuinely multimedia course book here – entirely appropriate to the new Subject Guide's introduction of Listening Comprehension.**99** David Ripley, English B Consultant

Strengthen all learners' communication skills



IB English B Print and Enhanced Online Course Book Pack

Explore overarching themes and concepts

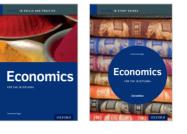


Language Acquisition



ECONOMICS





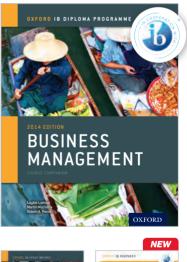
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Trusted by IB teachers across the world, these popular texts address all aspects of the current syllabus.

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ΟР





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Psychology

5

ABNORMAL PSYCHOLOGY

One of the hypotheses in Kendler *et al*'s study (2006) was that in different generations the role of genetic inheritance (relative to the

(Shared placenta)

interaction (GxE)

290

Figure 5.11 Zygoticity o

Genetic heritability: gene-environment

Interaction [GxE] One common limitation of research studies based on the Falconer model is that they ignore complex gene-environment interaction. The influence of genes on depression might not be as straightforward as such studies seem to suggest. Theoretically genes can create a certain susceptibility to environment a influences, but environment would still be the triggering factor. So research studies that try to bring together different types of influences and look at the dynamics of development of depression over years are especially valuable, and especially hard to conduct.

Gene-environment interaction (GxE) occurs when two different genotypes respond to the same environment in different ways.

inheritance (relative to the role of environmental factors) would be different. This hypothesis was not supported empirically. What do you think was the theoretical rationale of this prediction?

If you want to find out for sure, review the original article and see if you were right: https://tinyurl.com/z8shmzx

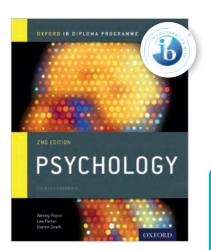
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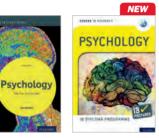
(Separate placentas)

Build a rich and holistic understanding

Developed in cooperation with the IB, this comprehensively-updated, full-color Course Book fully reflects the latest syllabus.

- Facilitate inquiry and critical thinking through in-depth, concept-based coverage of the most up-to-date theories and research
- Cement knowledge via the Study Guide's concise summaries of course content and key definitions
- Provide strategic guidance on assessment, sample material and exam-style practice opportunities via new IB Prepared: Psychology





Individuals and Societies

DP

EXPLANATIONS FOR DISORDERS—BIOLOGICAL EXPLANATIONS FOR DEPRESSION

longitudinally. The sample was divided into three groups

- both short alleles of 5-HTT
- one short allele and one long allele
- both long alleles.

both iong auers.
 Stressful life events occurring after the 21st birthday and before the 26th birthday were assessed with a "life-history calendar" which focused on 14 major stressful events in such fields as employment, finance, housing, health and relationships.

finance, housing, health and relationships. There were no differences between the three groups in the number of stressful life events they experienced: however, individuals who had the short allele of 5-HTT exhibited more depressive symptoms in relation to stressful life events. More specifically, individuals who carried a short allele whose life events occurred alter their 21st birthday experienced increases in their depressive symptoms from the age of 21 to 25 years, whereas individuals carrying the long/long alleles did not (even though they experienced the same events at the same time). Annong participants suffering four or more stressful life events, 33% of individuals with a short allele of 5-HTT developed depression, compared to 17% of those having as in Silbere *a* d. the study

17% of those having me long/long variant. Therefore, just an is Silberg et al. the study a demonstrated that genetic set-up can moderate a person's sensitivity to adverse environmental effec (life stress). However, this study allowed researche to increased vulnerability to stressful events.

ATL skills: Thinking

In your studies of the sociocultural approach to behaviour you learned about Hoefstede's cultural dimensions: individualism–collectivism, masculinity– umensions: inarroualism-contectivism, masculinity-femininity, and so on. What other dimensions were identified in that research? How well do you remember these studies? You might want to go back and review this material before reading on. In what way do you think individualism-collectivis relevant to genetic predisposition to depression?

Chiao and Blizinsky (2010) went further and Included cultural variables in gene-environment interaction. They proposed a **"culture-gene coevolution theory"** which posits that cultural values buffer genetically susceptible populations from increased prevalence of affective and mood

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IB Psychology Course Book (2nd edition)

Psychology Course Book 978 019 839811 0.....£35.99 978 019 839813 4£35.99 Online Course Book 978 019 839816 5.....£47.99 Print and Online Pack 978 019 839817 2.....£25.99 Study Guide Late 2018 IB Prepared Late 2019 978 019 843416 0.....£27.99 IB Prepared (Online) Late 2019 978 019 843419 1.....£27.99

ATL skills: Research Now you have a new hypothesis: genotype creates a predisposition to depression, but it depends on environmental triggers whether or not this predispo-will develop. How would you design a research stud test this hypothesis? Come up with a research prop-Silberg et al (1999), to further understand the

for different heritability of depression in reasons for different heritability of depression in males and females, investigated the trajectories of depressive symptoms among boys and girls from childhood to adolescence. The study was inspired by previous observations that had shown that the rates of depression are similar in pre-adolescent boys and girls, but by mid-adolescence and later the dominance of depression in girls is firmly established. The authors investigated the link between

The authors investigated the link between susceptibility to depression and environmental factors (stressful life events). They used data from more than 1,400 meta and female juvenile twin pairs that were followed longitudinally from age 8 to age 16. Depressive symptoms were assessed using the Child and Adolescent Psychiatric Interview, and ratings of past-year life events were obtained in interlips of past-year life events were obtained in interviews with the mothers. The list of potentially stressful life events included such events as failing a grade or losing a close friend through arguments.

Results of the longitudinal analysis showed that the effect of negative life events on depressive symptoms in addescent girls was stronger. suggesting that genetic predisposition causes girls at this age to be more vulnerable to negative or stressful life events. In other words, girls demonstrated a "genetic predisposition to experiencing particular stressful life events" (Silberg et al. 1999, p. 230). This exemplifies one of the ways in which genes may interact with the environment: environmental lactors serve as necessary mediators or triggers for genetic predisposition. Results of the longitudinal analysis showed that

Psychology in real life Silver eral (1991) found that genetic predisposition to depression in females causes them to be more vulnerable to stressful life events in addescence. If you were a policy-maker, what measures would you recommend based on this finding to reduce prevalence of depression in addescent populations?

The study of Silberg et al demonstrates one of the possible ways in which two variables may interact. Variable X (generic predisposition) interacts with variable Y (stressful life events) to produce the result Z (depression). In this interaction Y is a mediator between X and 2 even if X is present, Z will only occur if Y occurs. What other types of interaction between X and Y (to produce Z) can you think of? Think abstractly and th try to find examples from real life.



Molecular genetics is also promising in this field of research because it allows us to identify specific genes influencing complex psychological disorders, whereas in twin, family and adoption studies where genes are not "measured" directly we can only talk about some broad, latent, unspecified genetic predisposition. So, instead of talking about a broad genetic predisposition that makes you vulnerable to stressful events, can we pinpoint a specific gene that is responsible for this vulnerability?

ATL skills: Self-management

Recall how neurotransmitters function in synapses. What is reuptake? If you don't remember, go back and review the appropriate sections of Unit 2.

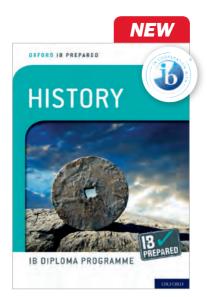
Caspi et al (2003) found that a functional Caspi et al (2003) found that a functional polymorphism in a serotonin transporter gene (5-HTT) moderated the influence of stressful life events on depression. This gene is involved in the reuptake of serotonin at brain synapses. In this study a representative birth cohort of more than 1,000 children from New Zealand were followed

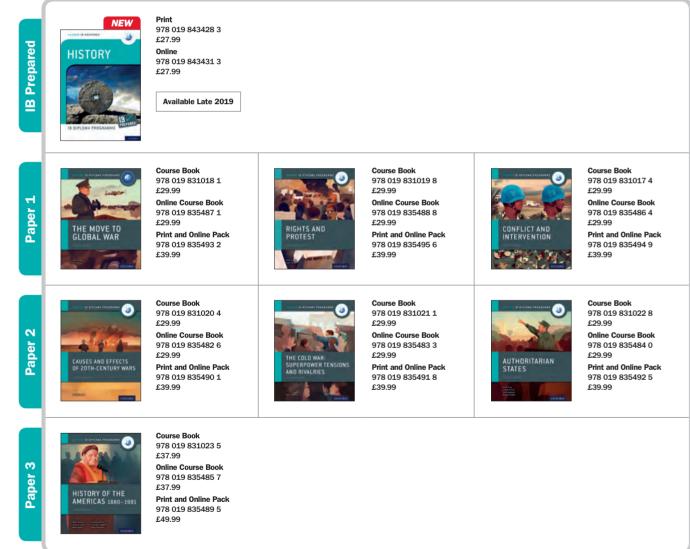
History

Drive critical, independent learning

These in-depth resources have been developed in cooperation with the IB to help learners thoroughly engage with historical content.

- Build a big picture, thematic understanding of history via integrated key questions, key concepts and links to modern, global themes
- Refine and strengthen key analytical skills, with ATL and TOK features, inquirybased tasks and 'source skills' activities
- Provide strategic guidance on assessment, sample material and exam-style practice opportunities via new IB Prepared: History



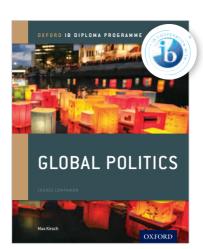


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DP

Societies lividuals and



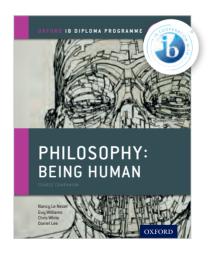
Global Politics

Build transdisciplinary connections

Supporting the latest syllabus, this concept-based Course Book cements critical understanding of big picture issues, problems and solutions.

- Nurture outward-looking, reflective learners by relating political theory to current, international case studies, a conceptual framework and TOK
- Hone thinking and communication skills with suggestions for engaging ATL activities and class discussions
- Prepare learners for assessment, using exam-style questions and strategic tips

Global Politics		
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Philosophy

Clarify and contextualize philosophical ideas

Developed in cooperation with the IB, this accessible Course Book uses a skills-focused approach to build students' confidence.

- Thoroughly cover the core theme of 'being human', which all students must complete as part of the prescribed course
- Explore philosophical ideas in their context and in relation to contemporary situations, with clear referencing and definitions, visual aids and TOK links
- Build key skills via integrated activities, suggestions for further research and reflection, and assessment guidance

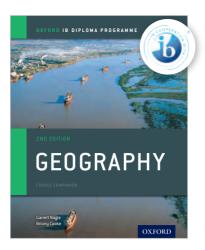
Philosophy: Being Human		
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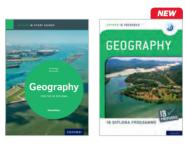
Geography

Promote an international perspective

Fully addressing the latest syllabus at SL and HL, these concept-based resources provide thorough coverage of all core and optional themes.

- Clarify complex ideas and processes via the Course Book's explanations, case studies, definitions and diagrams
- Consolidate understanding through the clear and concise summaries of course content presented in the Study Guide
- Provide strategic guidance on assessment, sample material and exam-style practice opportunities via new IB Prepared: Geography





MALEIN

OPTION G URBAN ENVIRONMENTS

Case study

Urban deindustrialization: decline in Detroit Urban deindustrialization: decline in Detroit Detroit was once the USAS fourth-largest city. Indeed, in 1960 it had the highest per-capita income in the USA. Now up to a quarter of the city has been reclaimed by nature. Up to 40,000 buildings and parcels of land are vacant. Property prices have fallen by 80 per cent or more. In 2013 a three-bedroomed house on Albany Street was for sale for \$11

etroit is the largest US city to declare inkruptcy. Its long-term debts are estimated at /er \$18 billion, or \$27,000 for every resident. Between 1900 and 1950 Detroit prospered because General Motors (GM), Ford and Chrysler, which made most of the cars sold in the USA, were based there. Detroit's population increased from about 300,000 in 1900 to 1.8 million in 1950, but fell to just ron 000 in 2012 700,000 in 2013.

More than a high sector is people are poor and relatively poorly educated – over 80 per cent have no more than a high school diploma. Delivering services to sparsely populated neighbourhoods in the city, which sprawls over 340 km², would be difficult even if the city could afford it. The causes of Detroit's troubles include:

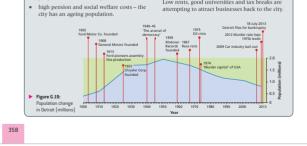
- falling car sales and therefore less tax revenue
- from the city's large firms
- a shrinking population many of the richer people have moved away

Detroit has paid the price for being over-reliant on a single industry – the motor car. It attracted many black workers from the American south to work in the factories. However, inequalities in working conditions and living conditions led to race riots in 1943 and 1967. Many white people abandoned the city during the "white flight" of the 1950s, 1960s and 1970s.

the 1950s, 1960s and 1970s. Only 30 per cent of the jobs available in the city are taken by Detroit residents and over 60 per cent of Detroit's population who work do so outside the city. Unemployment had reached 30 per cent by 2013. Over a third of Detroit's appulation and nearly half its children live below the poverty line. Nearly half of Detroit's adults are functionally illiterate and 29 of the city's schools closed down in 2009 alone. Detroit's population is now 81.6 per cent Afro-American.

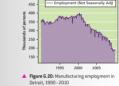
According to a report in The Economist, law and order has completely broken down in the inner city, and drugs and prostitution are commonplace. Detroit's murder rate is at a 40-year high. Of the city's 85,000 strete lights, hadi are usually out of service because thieves have striped them for copper. Only one-third of its ambulances are in working order.

amouances are in working order. However, there is some growth. Urban farms are appearing. Young people – especially artists and musicians – are moving into Detroit to make use of the abandoned and alfordable urban spaces. Low rents, good universities and tax breaks are attempting to attract businesses back to the city.



IB Geography Course Book (2nd edition)

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Suggest reasons for Detroit's growth between 1900 and 1950. Suggest why Detroit's population declined after 1950. Suggest the likely impacts of a falling population size.

Describe the trend in manufacturing employment in Detroit between 1990 and 2010. Suggest the likely impacts of the changes that you have described.

Impacto fuel comparison and got mere searched. Watch "Death of Detroit" at http://www.youtube.com/ watch?v=aUUuTBVypk and "Grown in Detroit" at http://www.youtube.com/watch?v=XH63/2BqXLo and the "Grown in Detroit" documentary traile, http:// documentaryheaven.com/requiem-for-detroit/.

Explain how centrifugal movement of population affects a city and its hinterland (surrounding area).

Explain the advantages and disadvantages of counter-urbanization.

3. Explain the process of deindustrialization.

Suggest why most of the world's growing megacities are found in LICs.

4. Describe the process of urbanization.

Check your understanding



2 CHANGING URBAN SYSTEMS

Photo G.13: Decaying vacant buildings in Detail oit. 2011

Concepts in context

Concepts in context Many processes operate in urban areas. Some are causing urban areas to increase, such as rural-to-urban migration and natural increase. leading to urbanization. Some are causing urban areas to decline, such as counter-urbanization. Urban areas may therefore grow over time, and develop complex networks of transport, water, sanitation, energy provision, and telecommunications. However, some urban areas decline. This may be due to the decline in industry. However, some former run-down areas may appear attractive to certain populations, and may regenerate as a result of gentrification.

- 6. Outline the potential impacts of megacities. Describe the growth in telecommunications in Shanghai.
- Briefly outline the problems associated with the growth of Shanghai.
- 9. Suggest reasons for the growth of Detroit. Explain the causes and consequences of the decline of population in Detroit.

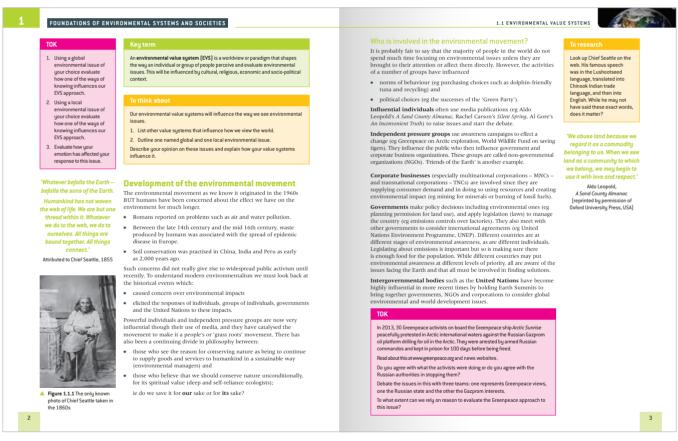
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Environmental Systems and Societies

Encourage active investigation

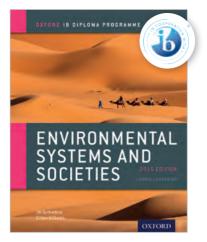
Matched to the latest syllabus, these inquiry-based resources motivate learners to explore and investigate scientific concepts.

- Develop a holistic view of the subject via the Course Book's contemporary case studies, activities and 'big questions'
- Consolidate key skills in relation to all assessment components using the Skills and Practice resource
- Provide strategic guidance on assessment, sample material and exam-style practice opportunities via new IB Prepared: Environmental Systems and Societies



IB Environmental Systems and Societies Course Book

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Course Book	978 019 833256 5	£38.99		
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Environmental Systems and Societies DP

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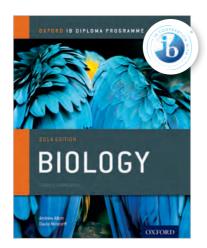
ENVIRONMENTAL

Sciences

Support and progress learners

Trusted by IB schools across the world, this comprehensive suite of resources ensures that all learners are equipped to achieve in DP Science.

- Prepare learners for the step up from pre-16 courses to DP Science with **Course Preparation materials**
- Thoroughly cover all SL and HL material using Course Books developed in cooperation with the IB, plus Study Guides
- Access a wealth of extra online teaching, learning and assessment support via IB Science Kerboodle
- Provide strategic guidance on assessment, sample material and exam-style practice opportunities via new IB Prepared resources



	Biology		hemistry	Ph	ysics		
Course Preparation	978 019 8 £24.99	842350 8	978 019 842355 3 £24.99		978 019 842359 1 £24.99		
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DР

Ensure learners are ready to begin DP Science courses

6 Acids and bases In a very real sense, we can make an acid be anything we wish — the different the various acid-base concepts are not concerned with which is 'right' is most convenient to use in a particular situation. James E. Huheey, Inorganic Chemistry: Principles of Structure and Reactivity (1978)

 Key terms introduced
 Archenius acids and bases
 Dissociation and ionization
 Dissociation and ionization
 Conjugate acid–base pairs
 Monoprotic and diprotic acids
 bases; monobasic and dibasic
 acids; monoacidic and diacidic
 bases Linepset CONTEXT
In the previous chapters, you learned that acids and bases are two classes
of chemical compounds with opposing properties. Due of the most common
reaction types, neutralization, usually involves an acid and a base as
and even water itself demonstrate acidic or basic properties by reacting
with bases aradis, regretcively. Therefore, we need to take a closer look
at the chemical nature of acids and bases, their classification and their
bashvoir in agrees solutions. Hudronium (hudro onium) ion Learning objective Amphoteric and amphiprotic species species → Acid dissociation constant, K_a → Ionic product of water, K_u → The pH scale → Acid-base indicators → Buffer solutions In this chapter you will learn about: how to define acids and bases using acid-base theories classification, properties and chemical equilibria of acids and bases he concept of pH ing and predicting acidity of solutions in the laboratory B DP link 6.1 Acid—base theorie The IB Chemistry Diploma Programme covers this entire topic in 8 Acids and bases. b.1 Action - obset (neurons) Actids and bases have been known for thousands of years. The term "acid" is derived from the Latin word accre, which means "sou" and refers to the characteristic taste of vingar, Henno Juice and other acidit solutions. Basic substances, such as potash (potassium carbonate) and line water (a solution of calcium hydroxide) were used by ancient Practical skills: Safe lime water (a solution of calcium hydroxide) were used by ancient Expytians for making soap and parchment. People who worked with basic solutions noted their slippery, soap-like feeling to the touch, bitter taste and ability to react with acids. The opposing nature of acids and bases was not fully recognized nutil the 17th entry. The first rational approach to these compounds was proposed by Robert Boyle, an Irish natural philosopher and a pioneer of modern science. According to Boyle, acids and bases can be defined as follows: laboratory practices In the past, chemists often identified acids, bases and other compounds by their smell, taste and feel. This practice could

- a cids taste sour, react with metals, turn litmus red, and can be neutralized by bases
 bases feel slippery, turn litmus blue, and can be neutralized by acids.

Chemistry for IB Diploma Course Preparation

kerboodle

feel. This practice could lead to serious injury or even death. You should never taste or touch any laboratory chemicals, and avoid inhaling their vapours by carrying out experiments in the fume cupboard.



6 Acids and bases

Access engaging digital content

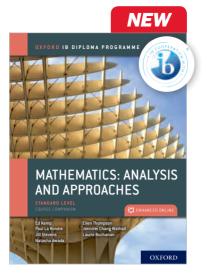


Mathematics

Address all aspects of the new guide

Each Print and Enhanced Online Course Book Pack has been developed in cooperation with the IB to provide the most comprehensive support for the new DP Mathematics syllabus, for first teaching in 2019.

- Assimilate the approach of the new curriculum, using concept-based resources that are structured according to the new courses
- Provide in-depth coverage of all topics via clear explanations, worked solutions and activities, plus assessment preparation support
- Drive achievement with digital features embedded in each Enhanced Online Course Book, plus practice opportunities via Oxford MyiMaths



DР

Mathematics

	Mathematics: analysis and approaches		Mathematics: applications and interpretation		
Standard Level	NEW MUTCHINGTON OF ALL STATE	Print and Enhanced Online Course Book Pack 978 019 842710 0 £57.99 Available Early 2019		Print and Enhanced Online Course Book Pack 978 019 842698 1 £57.99 Available Early 2019	
Higher Level		Print and Enhanced Online Course Book Pack 978 019 842716 2 £57.99 Available Early 2019		Print and Enhanced Online Course Book Pack 978 019 842704 9 £57.99 Available Early 2019	



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For more information about pricing on renewal and multi-year subscriptions please visit: **www.oxfordsecondary.com/multi-year-subscriptions**

Deliver a rich, concept-based approach



IB Mathematics: applications and interpretation SL, Print and Enhanced Online Course Book Pack

Access digital content embedded in each Enhanced Online Course Book

that they not each complete the follows 9.3 Exce	ample 14			Nepaniar V - 1
Pag on masse From a graph of them an Sector B provide in the models 2 The local anothering to If you means are availan complete the week. Field in the adde of them	Example 14 The number of loons of radient to baild a wall wate of perject and any available to exect on it. • When these people are available the well baies in takes to brief the well wite how people are		Tips Remember that his a constant	
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Point agraph of this in CERET Description In with the resumber all m 3 CERET DESCRIPTION have does understand connect muthematics	$s \rightarrow 0$ $s - \frac{b}{2}$ $s - \frac{b}{4} \rightarrow 1.5$	formation. ansitions the value of 4 your found transition gummen for N now find N when u = 4		in the
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		0		
thematics: applica retation SL, Print a Course Book Pac	ind Enhanced			

DP

Visual Arts

Build assessment confidence

Packed full of relevant examples, this assessment-focused Course Book is the only Visual Arts resource developed in cooperation with the IB.

- Thoroughly understand all assessment components and requirements, with breakdowns of exam criteria and strategic advice
- Build students' confidence via contextualized artwork examples, highlighted key terms and tips
- Fully embed the IB approach to learning with TOK and ATL links throughout the text



072 by Guo Xi. consider the conven cultures. Guo Xi des wording believable spatial world, yet much of his picture is empty. He also reminds us that this landscape is an illusion bu emphasizing is an illusion by emphasizing the picture plane with his use of

Tip: useful vocabulary Useful words to describe

texture: Actual, abrasive, bumpu, brittle, Cold, coarse, corrugated, dense, delicate, dru, ephemeral, feathery, flat, furry, fragile, gooey, glossy, granular, hairy, lagered, kathere, roldy, sand pimply, pitted, plastic, prickly, refined, republic, rough, sandy, satiny, scaly, seductive, shary, stirky, tacky, touchy feely, translucent, tactile, velvety, waxy, wet

Section 2

Visual Arts Course Book

Online Course Book

Print and Online Pack

IB Visual Arts Course Book

Colour is a phenomenon. We each perceive colour differently. Consequently, philosophers have mistrusted colour because of its subjective nature. Can colour be considered as a useful area of knowledge if we each experience it differently? Is colour necessary to our understanding of the world? Is colour blindness a

"Scientists are not concerned with colour but with radiant stimuli in light, or with the physiological processing of those stimuli by the eye. Whereas colour is in the mind which apprehends it." (John Gage, 2000)

Do you agree with Gage's statement? Where does that place art?

uo guo agree wini bage statement: where does ma piace art: Thus is always different from gellow for example, depressed (the blue), where gellow is gay, logal (true-blue) where gellow is cowardly, and the like. Yellow has the same meaning as blue none: IL buke mont. [Ludwig Wittgenstein, 1953] • Is language inadequate as a tool to describe colour sensation?

• Do you agree with Wittgenstein's colour mood associations?

theme around colours that are adjacent adding a strongly contrasting colour to activate the composition.

In your practical art, planning colour schemes around harmonies and contrasts is effective. Build a harmony from colours that are adjacent on the colour circle to act as a foil to a colour that is opposite on the colour circle so that it "pops" out.

Texture

IEXTUPE Textures are the tactile qualities of surfaces, in other words the qualities of touch. Art often represents one texture with an equivalent in a different medium. Your description of texture will be linked to that of media, as these are generally used to imitate the surfaces of objects, for example, in representational painting when oil paint is used to mimic the example. example, in representational particular with on participation is used to minime the surface of silk, fur, stone or flesh. In non-representational art texture can evoke a mood or act as a metaphor. The detail in a painting can be read as a texture. Sometimes artworks include real textures that can be felt. In painting and in textiles the support that is used will contribute to the texture: canvas, linen, board, wood, metal, silk, hessian and so on. In sculpture the surface of the material will be crucial to the effect:

- plaster is dry, absorbent, inert
- · stone can be rough, abrasive, granulated, veined, polished or smooth • bronze is patinated, shiny, reflective

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wax is soft, greasy, malleable.

Pattern and decoration can be considered as elements of texture. In textiles the physical structure of the cloth, the warp and welt of weaving or the relief of embroidery, for example, build pattern through repetition, through a tracery of lines, through lattice work and through grids. Similarly appliqué, embroidery and quilting are techniques which combine texture with decoration, achieving surfaces that have variety. In certamics pattern is often inscribed into a surface tor built up in relief, creating both decoration and a real, tangible, physical texture. Street artists **appropriate** the textures of the real world to dramatic effect when they spray on brick, rendered walls, concrete or corrugated from. The smooth, enamelled quality of spray paint contrasts to the weathered roughness of the walls they work on. You mikht ask these questions about texture: tern and decoration can be considered as elements of textu

- You might ask these questions about texture:
- What would these surfaces feel like to touch? • How was this surface created? Are there layers of different materials? Is it **embossed**? Is it in relief? Has the surface been distressed? Polished? Abraded? Weathered?

Time and motion

All art exists in time and space although contemporary practice has increasingly challenged the fixed nature of artifacts preserved in a museum. Installation art, Iand art, performance, video and film share many of the formal qualities described above, but it can be helpful to apply additional vocabulary and questions when analysing them. You might ask:

- How does this work engage with time and space?
- How has lighting been used?
- How long does it take the audience to experience this work? Is this a transient experience?
- How has technology been adapted?
- How has the artist arranged the space to create atmosphere? What other senses are involved? Perhaps the artist has used smell, touch or sound?



African Dogon head from Mali made in wood. Notice how this head combines form, line and decoration to dramatic effect. The sculptor makes use of crisp edges to ensure that the features are drawn with the shadows cast by the strong sunlight.

Patina: this is the sheen or colouration on an object's surface produced naturally by age or deliberately by the artist. age or deliberately by the artist. Appropriation: when an image or an idea is taken from its original context to be recycled by an artist in order to create new meanings, or to subvert its conventional meaning. Emboss: to emboss is to create a relief surface. In printmaking this is achieved by pressing into soft paper, in leather work by using stamps, in sculpture by carving, in ceramics by pushing into the soft clay etc.

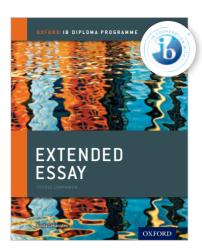
SECTION 2

VISUAL ARTS

Anti-aesthetic, contempla

Tip: useful vocabulary 🚺 Useful words to describe time and motion-based art: Anti-aesthetic, contemplative, challenging, distorientating, disturbing, distasteful, ephemeral, engaging, evocative, kinetic, multimedia, mesmerizing, participatory, physical, psychedelic, pseudo scientific, repellant, sensory, shocking, tangible, transient, sublime, unconventional,

The Arts



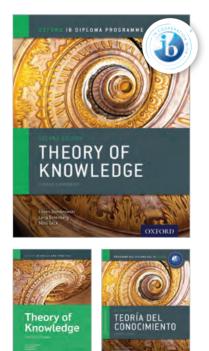
Extended Essay

Maximize achievement

Developed in cooperation with the IB, this step-by-step resource offers guidance on every aspect of the Extended Essay.

- Equip learners to fully understand and address each requirement, with a comprehensive outline of the latest assessment criteria
- Enable effective planning, research and writing with detailed guidance on every stage of the process
- Target the transferable skills that are central to success, equipping learners to achieve in the Extended Essay and beyond

Extended Essay		
Course Book	978 019 837776 4	£29.99
Online Course Book	978 019 837777 1	£29.99
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Theory of Knowledge

Drive critical, independent reflection

Supporting the current TOK syllabus, these inquiry-based resources help learners process, analyze and articulate complex ideas.

- Navigate the current syllabus with a clear and logical learning pathway, from course aims to assessment tasks
- Develop transferable critical thinking skills via engaging tasks, including plenty of discussion activities
- Build a deep, holistic understanding of knowledge, drawing on a wide range of contemporary, international examples

Theory of Knowledge		
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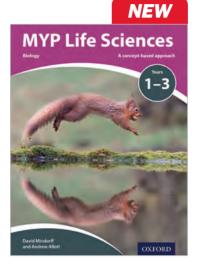
IB Middle Years Programme

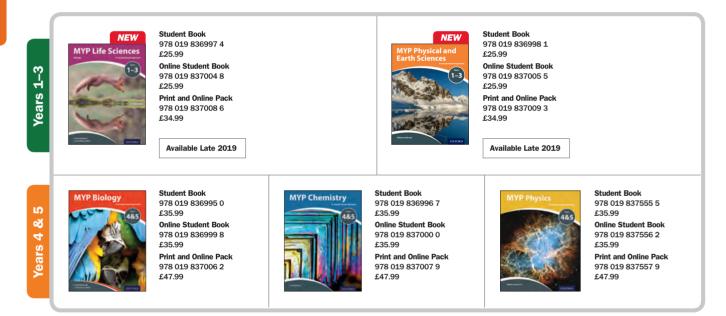
Sciences

Approach science critically and creatively

Fully aligned to the MYP curriculum framework, these student-friendly resources develop the inquiry and critical thinking skills essential to long-term success.

- Fully adopt the MYP approach via clear, structured support for all aspects of the MYP framework and eAssessment
- Strengthen subject knowledge with awareness of wider global contexts and conceptual connections
- Develop the transdisciplinary skills that are vital to success at MYP level and progression to DP via regular ATL features

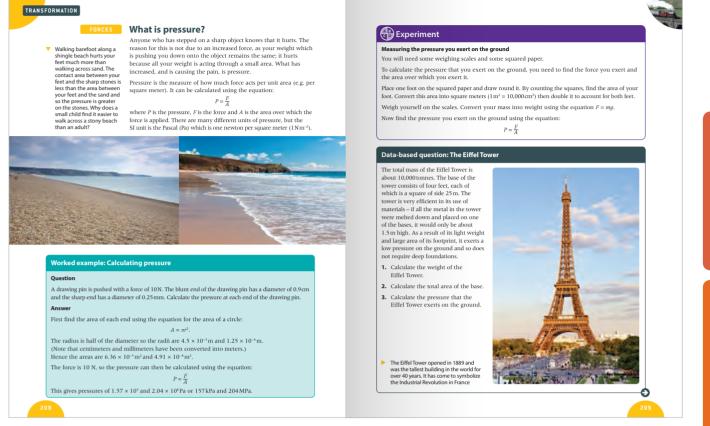




⁶ This is an outstanding way to help students see the sciences as intertwined topics of study and not as discrete silos of information.⁹ Science Department Chair Wisconsin USA

Science Department Chair, Wisconsin, USA

Deliver engaging, relevant material



MYP Physics 4 & 5 Student Book

Integrate concepts into learning



al context: Globalization and

Salt accumulation in the soil and water can have devastating consequences on the environment: these red gum trees in Southern Australia were killed by the rising salinity in irrigated land. The science behind the human impact on the environment is often well understood, and analyzing the data it provides

understood, and anal the data it provides could help us minimi negative impact. What are the consequence

Introduction

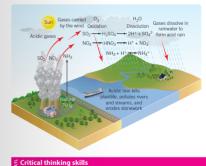
Consequences are defined as the observable or quantifiable effects, results, or outcomes correlated with an earlier event or events. All actions have consequences, both positive and negative; our actions from the past have consequences today and in the same way our actions today will have consequences tomorrow, and some of today's actions (especially collective actions) will have consequences further into the future.

Science has long understood the concept of cause and effect, also known as causality. However, a consequence could be the result of several different factors acting together, meaning it is not always possible to establish causality. For example, the life expectancy of people living in countries such as Japan, Switzerland, Australia, Singapore, Spain and fally is over 80 years old. This can be attributed to a number of contributing factors including access to clean water, sufficient healthy food and improved access to medicines. While changes in the last halfcentury have resulted in an overall increase in the quality of life, there have also been less destable consequences.

Within the scientific community there is little debate about the occurrence of global warning (the increase in the Earth's average surface temperature) or climate change (the long term change in the Earth's climate and patterns of weather), as there is a wealth of scientific evidence proving that these phenomena are occurring. Understanding what causes them and how to mitigate their effects on the future of our planet is a significant concern for current and future generations. The global context of this chapter is globalization and sustainability.



Since the 19th century, our planet's rapidly developing societies have become increasingly and irreversibly linked to the refining and combustion of fossil fuels. The acdidification of our atmosphere is one of the resulting consequences. Non-renewable fossil fuels, such as coal, are burned in power stations on a massive scale to produce electricity for cities and industry. By-products of this combustion reaction include sulfur dioxide, SO₂, and nitrogen dioxide, NO₂. In the atmosphere and under the influence of sunlight, these compounds combine with water to form acid rain and acid snow, which fall back to the surface of our planet.



The Earth's atmosphere does not observe the geographical boundaries that exist for different countries. The atmosphere belongs to all countries, it inhabitants and the plant and animal kingdoms. Acid deposition is a global consequence of industrialization and Sciences

Analyzing and evaluating issues and ideas

Analyzing and evaluating issues and ideas Often in the media, we read and hear governments, organizations and individuals calling for a reduction in the consumption of non-renewable energy sources, such as fossil fuels. Sometimes people call for a complete ban on the use of carbon-based fuels. Scientists and governments recognise the diversity of products that are made from crude oil, a type of fossil fuel. How many different crude-oil based compounds and their functions can you name?

- Use your critical literacy skills to perform research within a small group, or individually, on the products that are made from crude oil components.
- Construct a list of products and make an informed decision about whether these products are
 essential or non-essential in society. How could you communicate the level of importance
 your group placed on each item?
- Discuss within your group the issues that society could face when minimizing or totally eliminating the use of crude-oil products.

MYP Chemistry 4 & 5 Student Book

Mathematics

Fully adopt the MYP approach

Supporting the MYP curriculum framework, these resources strengthen mathematical understanding and develop conceptual awareness.

- Enable critical exploration of mathematical content, framed within key and related concepts and global contexts
- Promote independent thinking via factual, conceptual and debatable questions and ATL features throughout each unit
- Secure comprehension via clear summaries, worked solutions and extensive practice, reinforced by Oxford MyiMaths

MYP Mathematics





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Student Book

66 A perfect book for inquiry-based learning since each chapter is designed in such way that teachers get excellent ideas for inquiry... A good book for establishing foundation for IB DP.??

Head of Mathematics, India

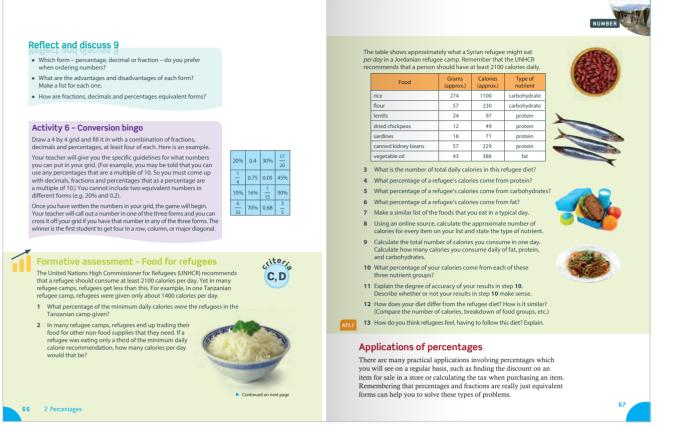


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Embed understanding through practice

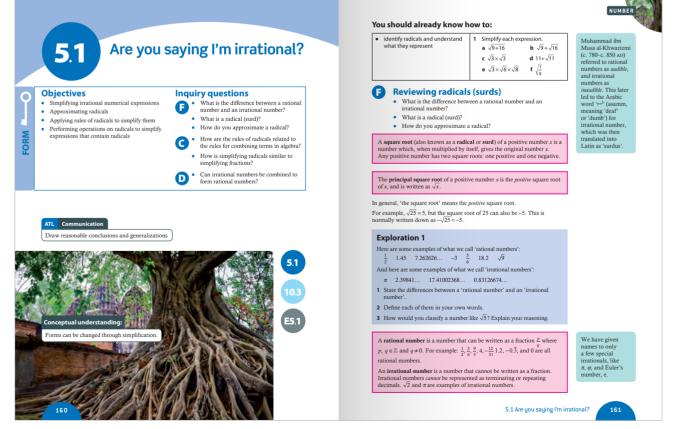


AAM

Mathematics

MYP Mathematics 1 Student Book

Build inquiry and problem-solving skills



MYP Mathematics 4 & 5 Standard Student Book

English Language Acquisition

Build fluency and confidence

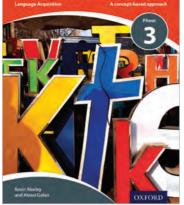
Supporting the current MYP curriculum framework, these stretching, conceptbased texts strengthen and progress key knowledge and skills.

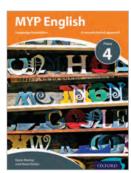
- Deliver a rigorous, inquiry-based approach to language acquisition
- Explore language through key and related concepts and global contexts, developing learners' awareness of the big picture
- Support preparation for MYP eAssessment and the transition to DP studies with regular summative assessment tasks

• Finally. A book that perfectly matches to all aspects of the MYP... The selections are meaningful to the students, connect currently to the international world, and you can be assured they met all IB requirements.??

IB Curriculum Coordinator, Colorado, USA

MYP English





MYP English: Language Acq	uisition Phase 3	MYP English: Language Acquisition Phase 4		
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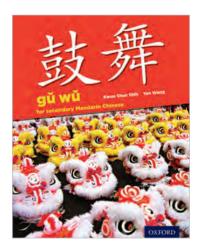
Chinese Language Acquisition

Achieve in Secondary Mandarin Chinese

Suitable for MYP Language Acquisition (Phases 1-3) and IB DP Ab Initio frameworks, this thematic Student Book is accompanied by a Teacher Pack.

- Build and evaluate language skills with clear grammatical explanations, glossaries, theme-based activities and assessment tasks
- Tailor your teaching to the MYP framework with lesson resources, differentiation ideas and syllabus-specific support, via the Teacher Pack

Gǔ Wǔ for Secondary Mandarin Chinese					
Student Book	978 019 840832 1	£30.50			
Teacher Pack	978 019 840835 2	£62.50			





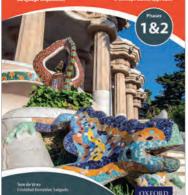
Spanish Language Acquisition

Support and stretch learners

Fully-aligned to the MYP curriculum framework, these inquiry-based resources lay the foundations for long-term linguistic confidence and achievement.

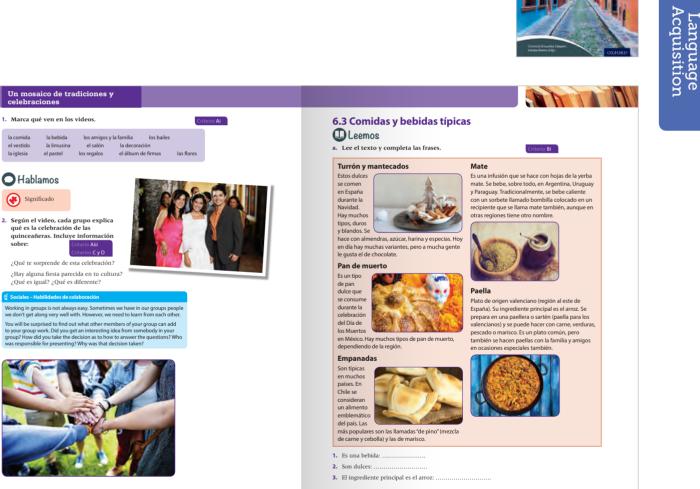
- Build a strong language base via colorful, phase-appropriate explanations and activities that develop linguistic skills
- Embrace the MYP approach with clear coverage of global contexts, key and related concepts and ATL, promoting independent thought and reflection
- Support achievement through regular formative and summative assessment tasks

MYP Spanish





123



MYP Spanish Language Acquisition Student Book 1 & 2

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sobre:

MYP Spanish: Language Acc	quisition Phases 1 & 2	MYP Spanish: Language Acquisition Phases 3 & 4		
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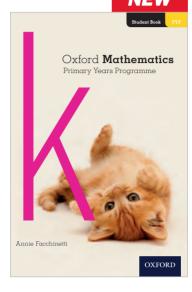
IB Primary Years Programme



Explore inquiry-based resources

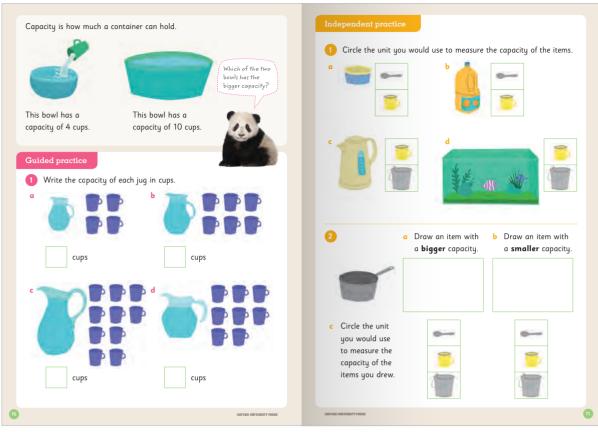
Fully supporting the PYP approach, these inquiry-based resources provide comprehensive coverage of the PYP Mathematics scope and sequence.

- Cover the five strands of mathematics using the PYP methodology of constructing, transferring and applying meaning
- Build knowledge and skills and explore the PYP transdisciplinary themes via inquiry-based activities that are rooted in relevant, real-life contexts
- Ensure all learners are supported with guidance on differentiation, suggestions for group activities, and pre- and post-assessments for every topic



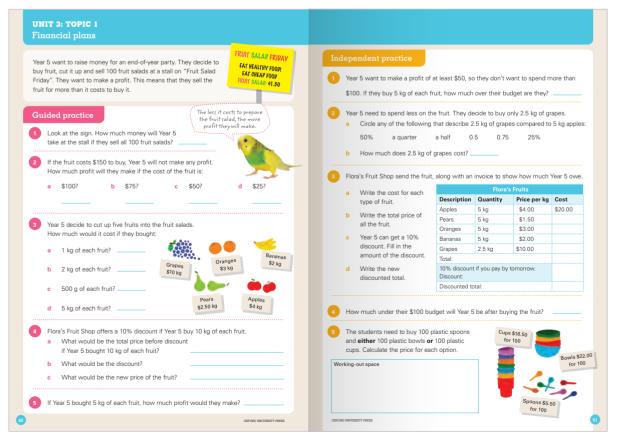
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Nurture independent, confident learners

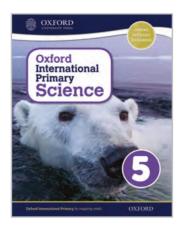


Oxford Mathematics Primary Years Programme Student Book 1

Construct, transfer and apply understanding



Oxford Mathematics Primary Years Programme Student Book 5



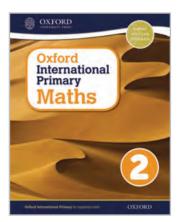
Science Engage learners in scientific inquiry

Empower learners to consider big ideas and ask questions throughout the

- learning process
- Actively engage students with a rich variety of activities and games, including digital resources
- Encourage learners to reflect upon, and extend, their learning via 'think about...' features and extension activities

Oxford International Primary Science

6 Student Workbooks, 6 Workbooks, 6 Digital Resource Packs, 6 Teacher's Guides and 1 Assessment Pack

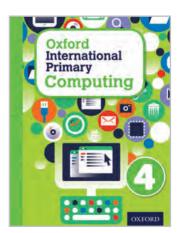


Mathematics Develop problem-solving skills

- Encourage learners to explore and discuss problems in the context of big questions
- Clarify mathematical concepts by relating them to examples from everyday life
- Motivate learners with a range of colorful activities and interactive digital resources

Oxford International Primary Maths

6 Student Workbooks, 6 Workbooks, 6 Digital Resource Packs, 6 Teacher's Guides and 1 Assessment Pack

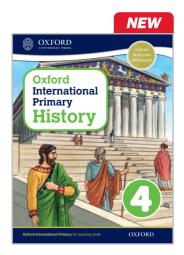


Computing Apply knowledge to real-life scenarios

- Provide learners with the knowledge and skills needed to undertake their own projects
- Facilitate reflection on progress through teacher and student assessment tools and activities that enable collaborative learning
- Encourage learners to investigate and discuss the role and implications of computers in society

Oxford International Primary Computing

6 Student Books, 2 Teacher's Guides and free online project files

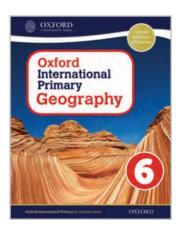


History Develop a spirit of inquiry

- Hone essential critical thinking skills as students learn to approach, evaluate and present historical sources
- Deliver a balanced perspective on international and local history, using suggested topics and thematic studies to prompt reflection
- Draw transdisciplinary links between history and geography promoting an awareness of wider connections and concepts

Oxford International Primary History

6 Student Books, 6 Workbooks and 1 Teacher's Guide



Geography Nurture a global perspective

- Help learners to relate their local environment to a wider global context
- Facilitate cross-curricular projects through suggestions and guidelines on research topics
- Use real-life, international examples to bring key aspects of geography to life

Oxford International Primary Geography

6 Student Books, 6 Workbooks and 1 Teacher's Guide



English Promote exploration and reflection

- Introduce learners to a wide range of ideas and cultures, using ageappropriate fiction and non-fiction from around the world
- Develop reading, writing, speaking and listening skills via varied and colorful activities
- Encourage confident reflection with plenty of opportunities for discussion and inquiry

Oxford International English 6 Student Books, 2 Activity Books, 4 Workbooks, 2 Anthologies and 6 Teacher's Guides

Mathematics

Take a hands on approach

Facilitating an active, multi-sensory approach, Numicon allows learners to explore mathematics using structured imagery, apparatus and step-by-step activities.

- Build learners' confidence when problem-solving by showing how and why they arrived at their answers
- Develop understanding by applying real-life contexts to activities
- Effectively monitor learners' progress using flexible assessment tools







Numicon apparatus in use

Find out more

For more information about Numicon, please visit: www.oxfordprimary.com/numicon or contact your regional Education Consultant: www.oxfordprimary.com/contact-us



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