

SMARTPREP IB应用程序

入门指南

第四版

75

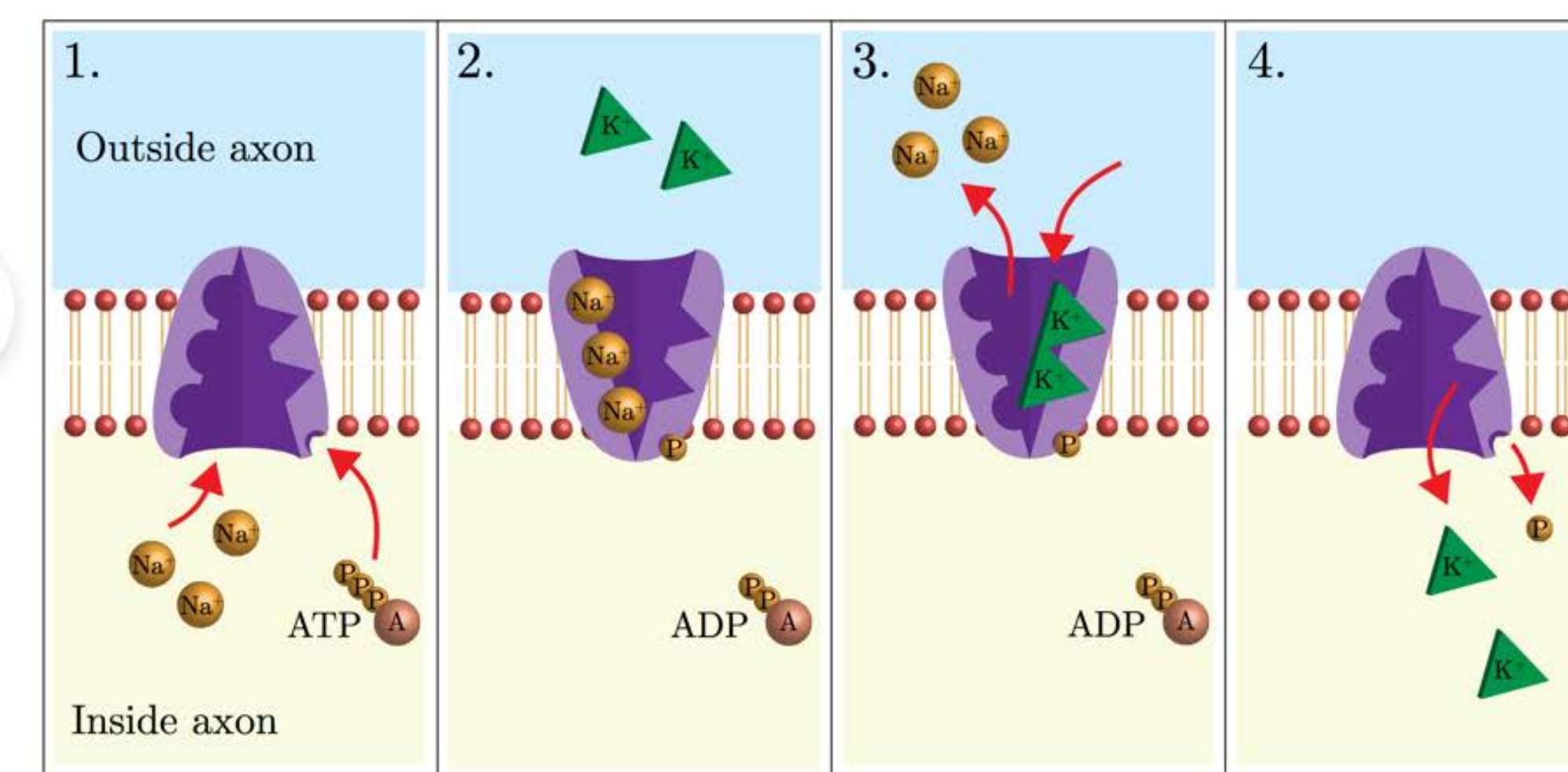


1.1

Introduction to cells



Annotate each stage to describe how sodium potassium pumps in the membranes of axons function to prepare for a nerve impulse.

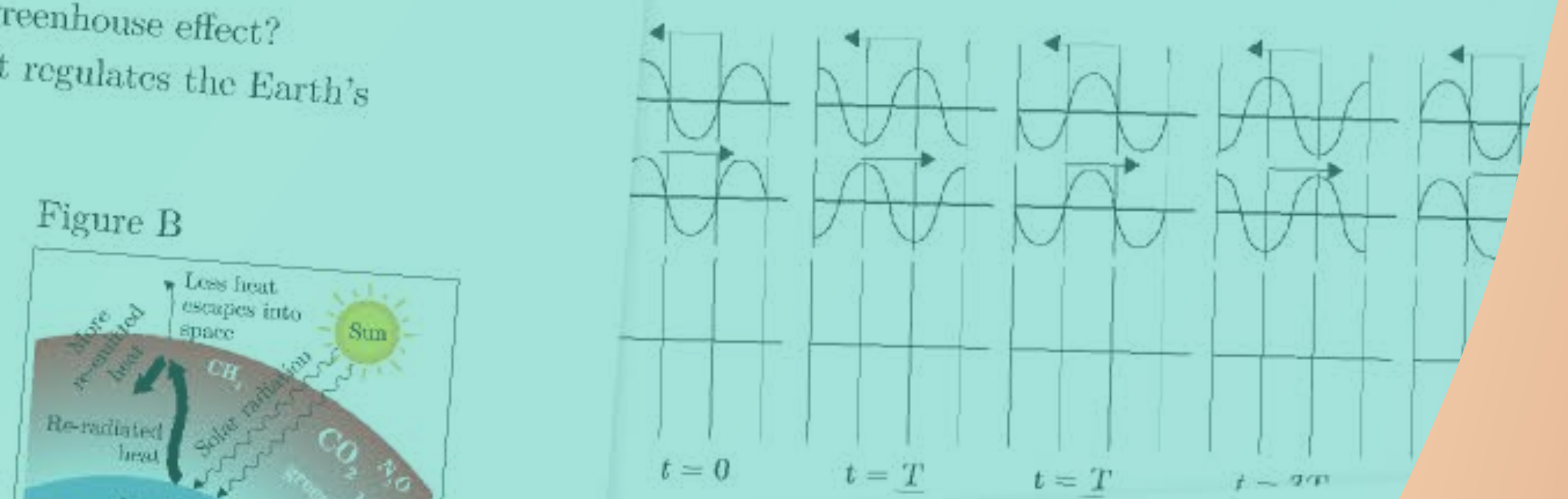


mol^{-1} , for the following nuclear fission on the data below.

| Particle | Mass / u |
|---------------------------|------------|
| Neutron | 1.008665 |
| ^{235}Pu nucleus | 239.000595 |
| ^{131}I nucleus | 130.877049 |
| ^{102}Nb nucleus | 102.896654 |

ave is an effect caused by the interference of two travelling waves (1 and 2).

he resultant wave at each point in the time period T :



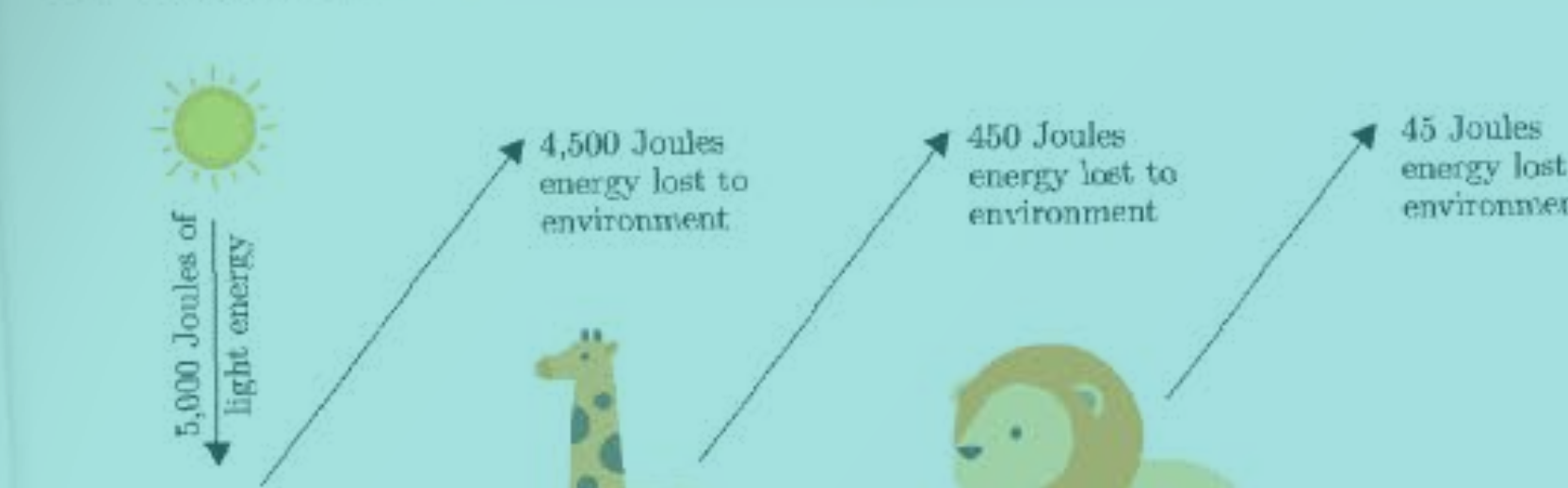
Draw and label a diagram of a whole electron micrograph of

reality that helps us understand how to predict how a system will react to

of the hydrological cycle below.



1. State the second law of thermodynamics.
2. Explain how the second law is demonstrated in the figure below.

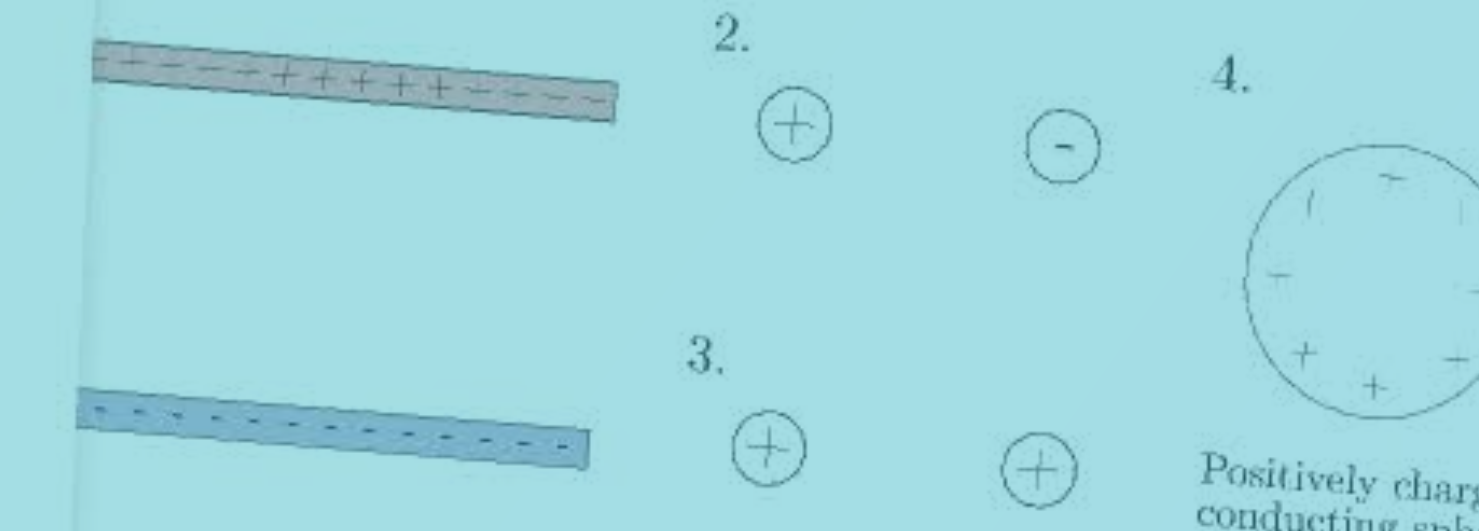


The diagram below shows point source and non-point source pollution.

State which side shows point source pollution and which side shows non-point source pollution. Justify your answer.



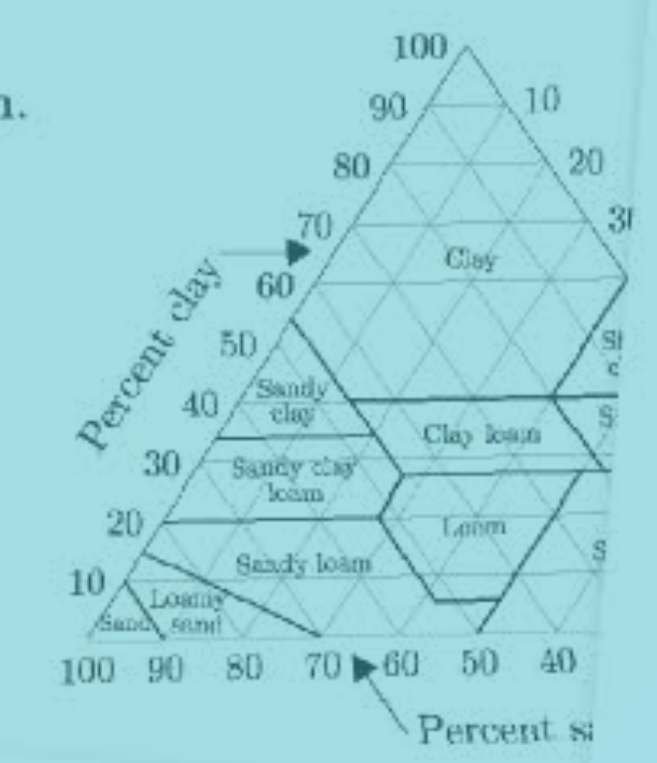
Draw the lines of equipotential around the charges below:



Use the soil texture triangle to answer the following questions.

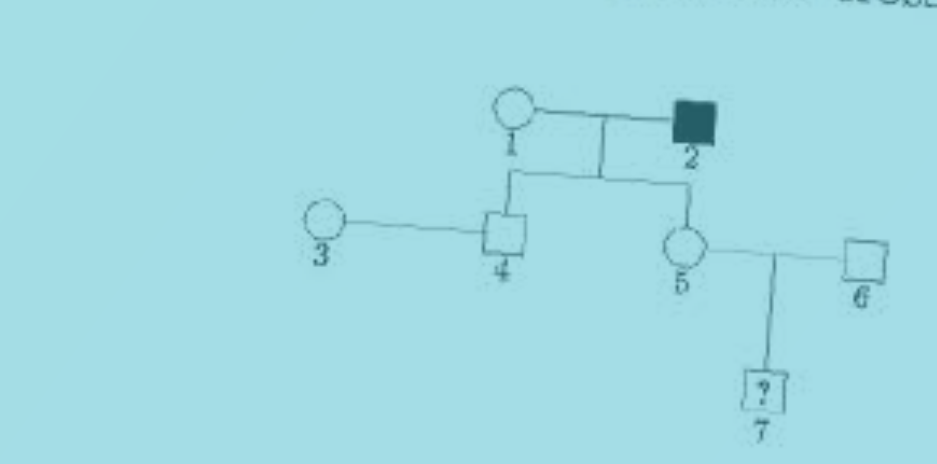
1. Name soil A.
2. Mark soil B on the diagram.

| Soil | % Clay | % Silt | % Sand |
|------|--------|--------|--------|
| A | 30 | 35 | 35 |
| B | 10 | 57 | 33 |



What is the chance of male 7 being

Use a Punnett square to show the cross





什么是 SMART**PREP** IB App?

SMART**PREP** IB App上有数千张闪卡，是全球**IB DP**权威专家联手打造的**IB DP**习题库。

老师可以使用SMART**PREP**轻松快速设计课堂教学环节，帮助学生备考以及布置个性化的作业任务。

在全球我们拥有超过**110,000**名**IB**学校用户，期待您的加入！

SMART**PREP** IB App - 激发自主学习



4,700+张闪卡



7,800+道习题及答案



IB DP课程大纲内容
100%覆盖



100%由**IB**
专家倾力打造

与ManageBac无缝集成



使用ManageBac账号
信息直接登录



ManageBac账号上直接
布置SMART**PREP**练习作业



SMART**PREP** IB App覆盖学科



生物

2016



化学

2016



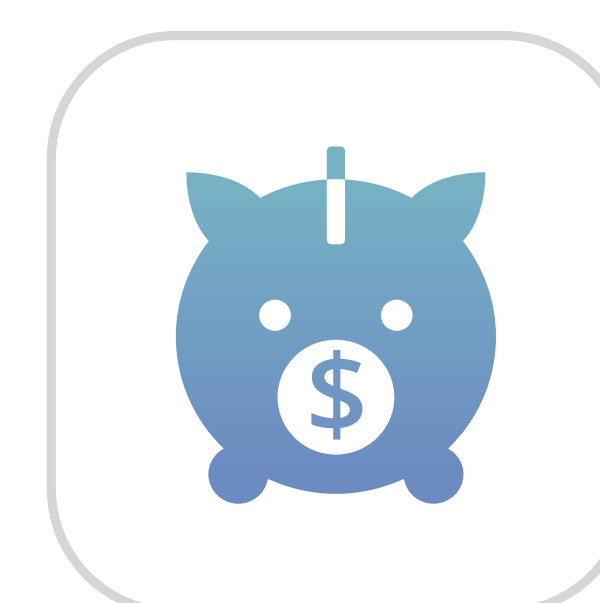
物理

2016



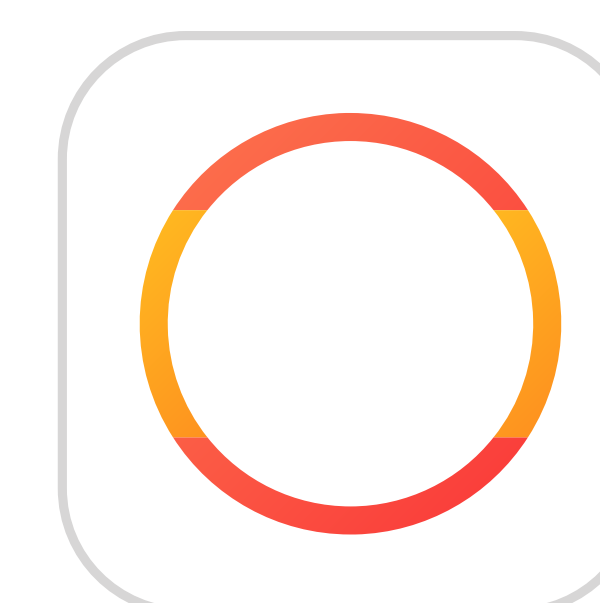
ES&S

2017



经济学

2013

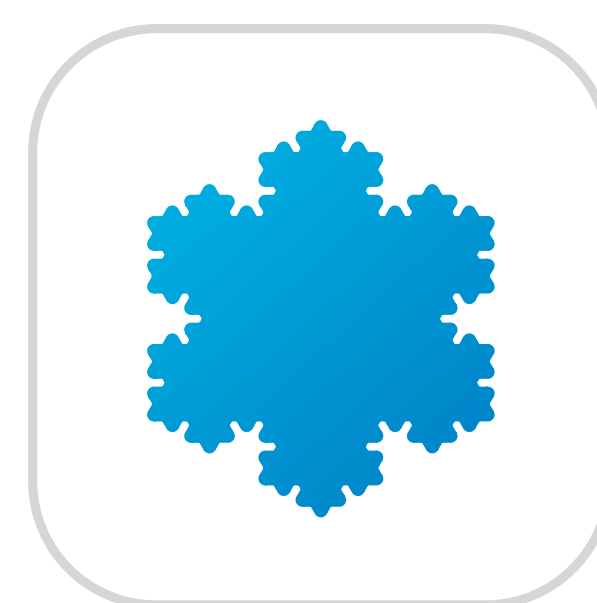


西班牙语B

新上线 2020

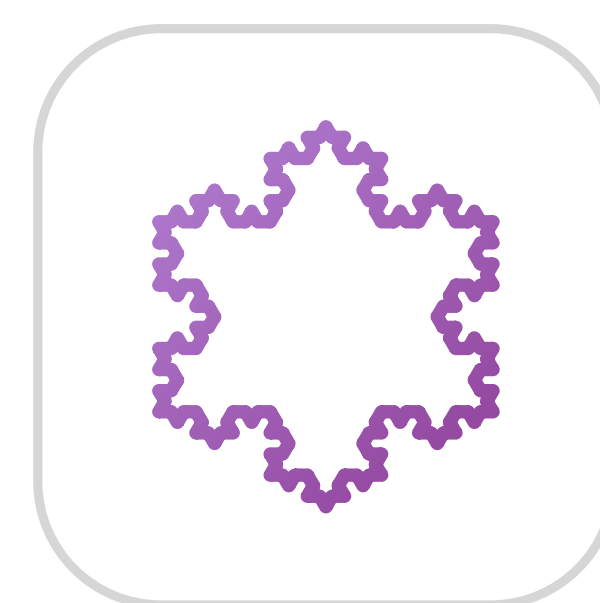
HAESE MATHEMATICS编写

即将上线



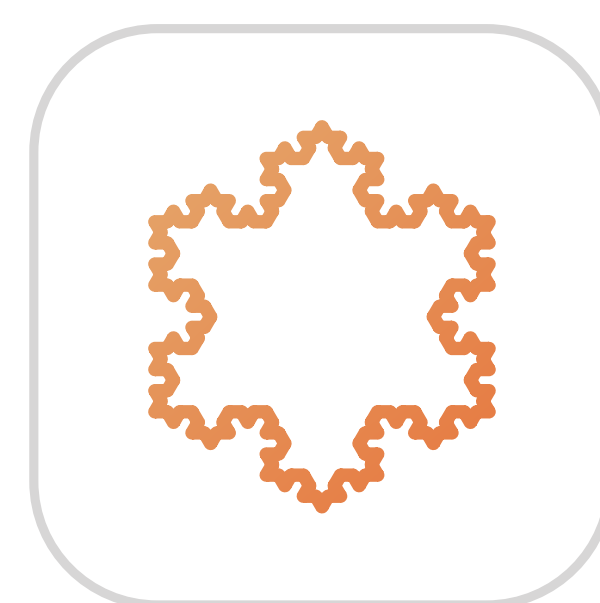
数学

2014



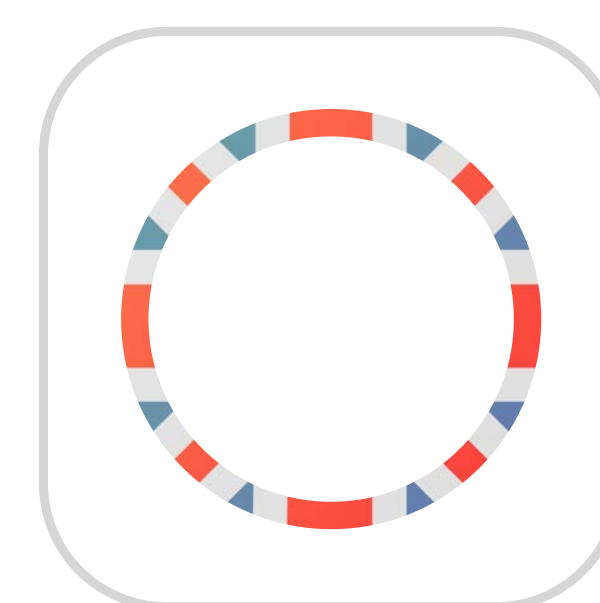
数学分析与方法

新上线 2021



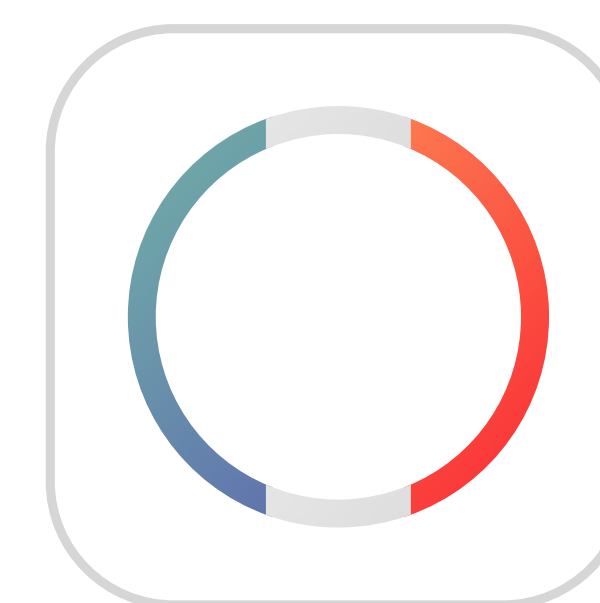
数学应用与解释

新上线 2021



英语B

2020



法语B

2020



心理学

2019



地理

2019



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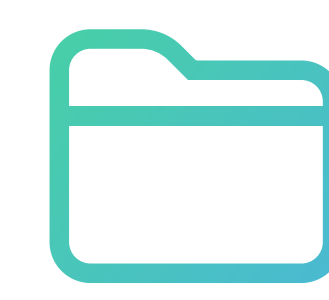


SMARTPREP IB App主要功能



学习笔记

学生可以在闪卡上添加学习笔记，在预览窗口上查看全部的笔记，并根据需要对它们进行排序。



文件夹

你查看的每一张闪卡都将自动分类归档至不同的智能文件夹中，系统默认的文件夹有：学习中、需复习和已掌握。用户也可以根据自己的需求创建新的文件夹记录学习进度。



练习

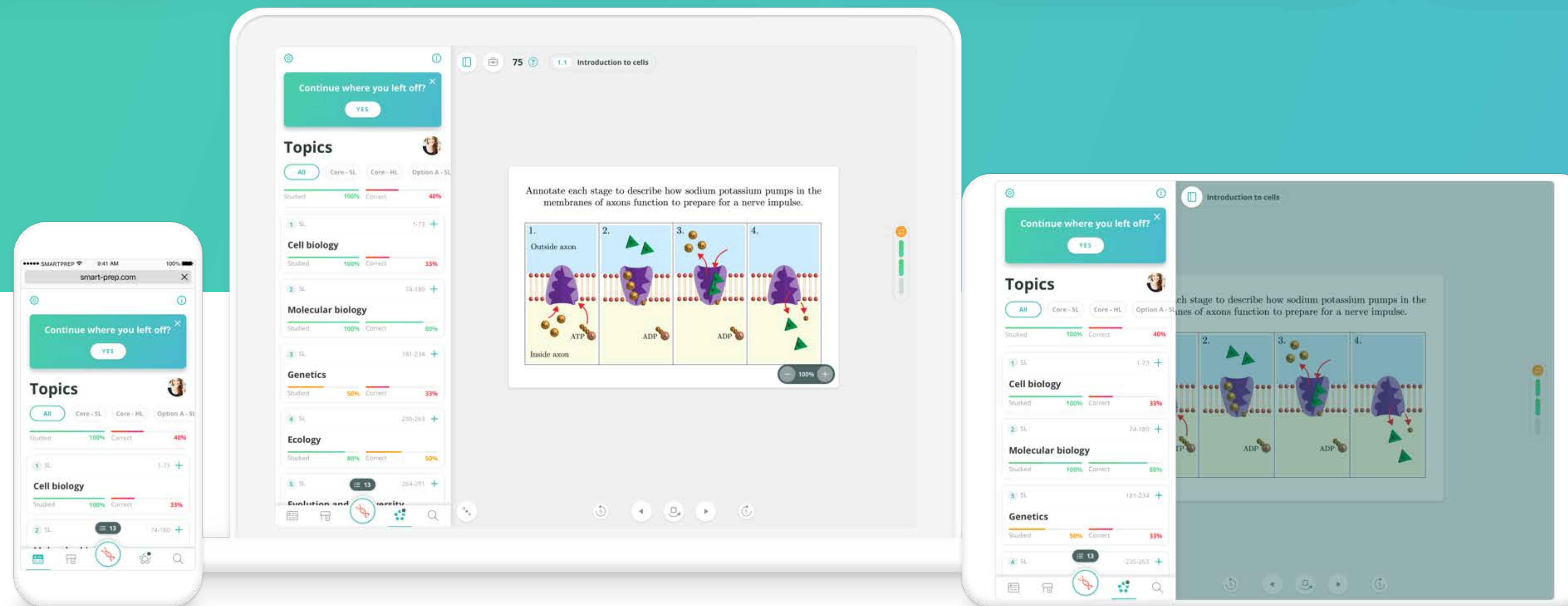
老师给学生布置练习作业

在**ManageBac**系统上为单个班级选择与教学点相匹配的闪卡。此外您可以添加练习标题并留言，在课前、课中或是课后发给学生。



搜索

SMARTPREP应用程序全面展示学习情况，因而学生能够掌控自己的学习计划。同时学生可以使用搜索窗口，轻松查找自己的笔记、文件夹、练习及卡片。



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课堂上使用SMARTPREP IB App的10种方法

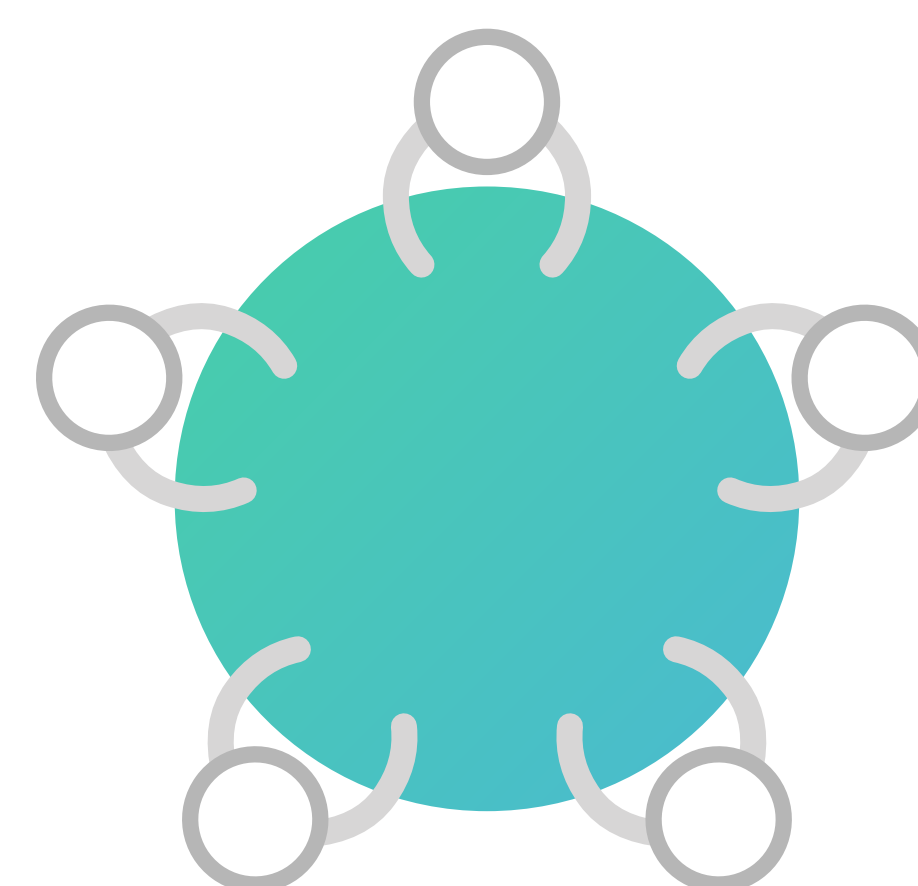
结合投影仪



使用投影仪投放闪卡内容，为教学增添游戏趣味性。数字时代的学生会很喜欢这种方式。

- 1 逆向学习：学生能否看着答案自己编题目？
- 2 全班进行问题分析练习并给出完整答案。
- 3 借用闪卡的视觉效果抓住学生注意力，强化知识点。
- 4 使用笔记功能记录学生问题，创造个性化闪卡。

结对/小组活动



SMARTPREP可以在学校电脑设备或是学生自己的笔记本及手机等任意设备上使用。

- 5 结对的学生可以轮流提问或回答问题。
- 6 在教室里布置学习小站，学生需要正确回答问题才能去到下一个学习小站。
- 7 提出一个概念性问题，要求学生尽快找到相关的闪卡。

预习/复习



使用SMARTPREP IB App进行课前预习，确保学生在课程结束后也依然能够记住这些概念。

- 8 选择一些闪卡，通过答题方式总结主要的教学点 — 同时强调学生需要掌握的内容。
- 9 为班级创建SMARTPREP复习练习，你可以添加补充的视频、网址以及word文件。
- 10 鼓励学生使用app，他们可以复习课堂笔记并且对自己的回答进行自我评估。



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SMART**PREP**用户评价

“我们的学生非常喜欢使用SMART**PREP**学习工具。他们使用这些闪卡整合复习IB DP知识点，也会建群组织复习互动游戏。我对SMART**PREP**的整体印象是，这是一款设计精良、高质量的产品，学生可以用它来进行高效复习。”

TIM JONES 教学副校长 - 七橡树中学
英国

“SMART**PREP**习题编撰者们对课程有着深入的了解，它可以帮助学生充分复习，确保没有遗漏知识点。此外在SMART**PREP**上复习可以通过社交游戏形式开展，独立学习的同时又充满乐趣！”

MALCOLM NICOLSON IB DP发展部门前负责人
荷兰

“这些闪卡太棒了！编写习题的人很好地保留了新课程大纲中的概念性。我一定会把这些闪卡推荐给我的学生。”

PAM CARTER IB DP协调员兼生物教研组组长
马来西亚

“我在经济学和生物课上使用过SMART**PREP**，上面有我需要掌握的所有内容，不多也不少。习题和答案的呈现方式，大大提高了处理及记忆信息的效率。非常感谢SMART**PREP**！”

CEDRIC VON HALEM IB校友 - 慕尼黑国际学校
德国



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SMART**PREP** IB App费用?

5,880元

一个学校账号的年费

✓ 全部学生账号

✓ 全部教师账号

✓ SMART**PREP**上的全部学科

为了方便用户付费，SMART**PREP**系统年费将汇总至
ManageBac账单。



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仅需3步即可开始使用

1

立即购买或申请14天免费试用

选择 1

联系**ManageBac**销售或支持代表

页面底部有具体的联系方式

使用权只能通过**ManageBac**获得。

选择 2

请求学校**ManageBac**管理员进行以下操作：

1. 导航至设置> 集成 (Settings > Integrations)页面
2. 选择**SMARTPREP**
3. 点击请求集成 (Request Integration)

按钮显示‘等待集成’ (‘Waiting for Integration’)

▼

ManageBac代表会联系您，确认您是想要购买**SMARTPREP**系统或是申请14天免费试用。确认后**ManageBac**将为您开通集成。

>

2

启用APP



请求学校**ManageBac**管理员进行以下操作：

1. 导航至设置> 集成 (Settings > Integrations)页面
2. 选择**SMARTPREP**
3. 勾选启用 (Enabled)

所有数据同步需2小时左右的时间

>

3

立即开始



数据同步后：

- 所有学生和教师都可以使用**SMARTPREP** IB App。
- 教师可以创建**SMARTPREP**练习。



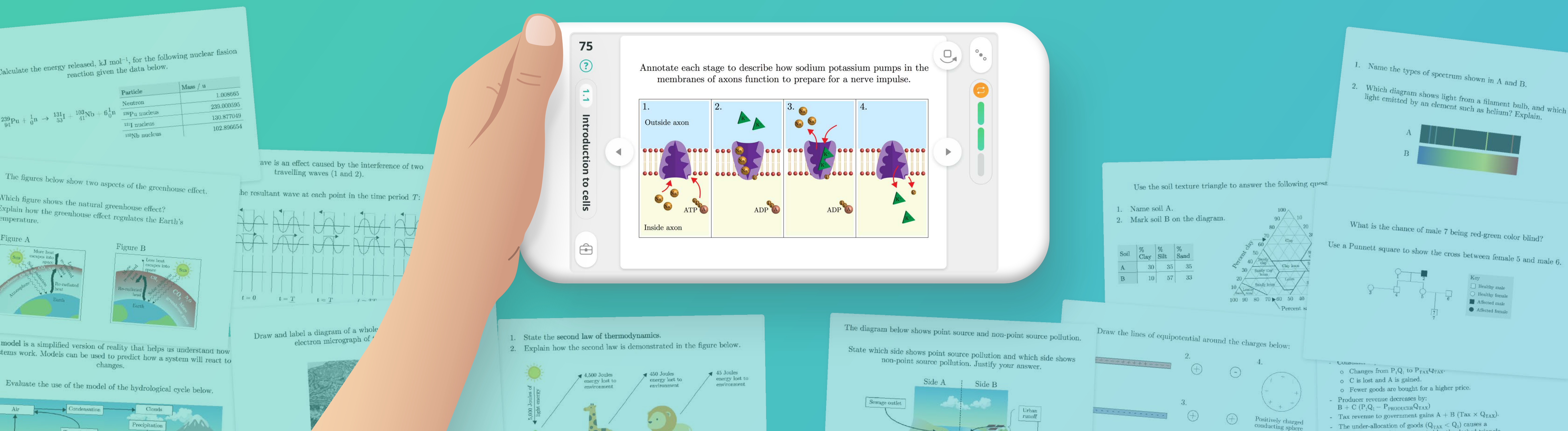
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The SMARTPREP IB App Starter Pack

Version 4





What is SMART**PREP** IB App?

SMART**PREP** IB App gives you access to thousands of flash cards written for the IB DP.

It makes it easy and quick to plan the next class, prepare students for assessments or tailor homework assignments.

Join over 110,000 users across the IB community and see for yourself.

SMART**PREP** IB App - an engaging study tool



4,700+ flash cards



7,800+ questions with answers



100% IB DP syllabus coverage



100% written by IB experts

now seamlessly integrated with **ManageBac**



Log in with your **ManageBac** credentials



Access SMART**PREP** Exercise



Curriculum coverage with SMART**PREP** IB App



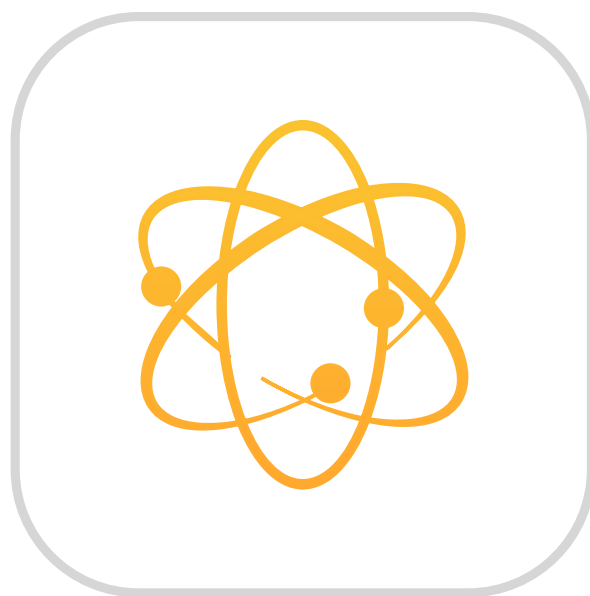
Biology

2016



Chemistry

2016



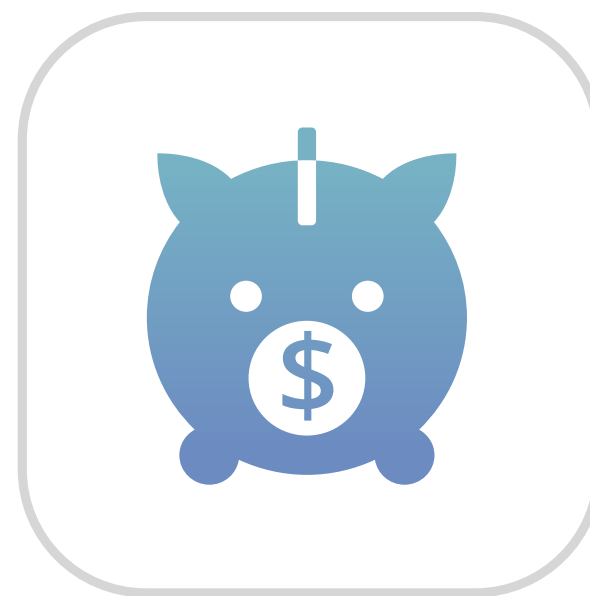
Physics

2016



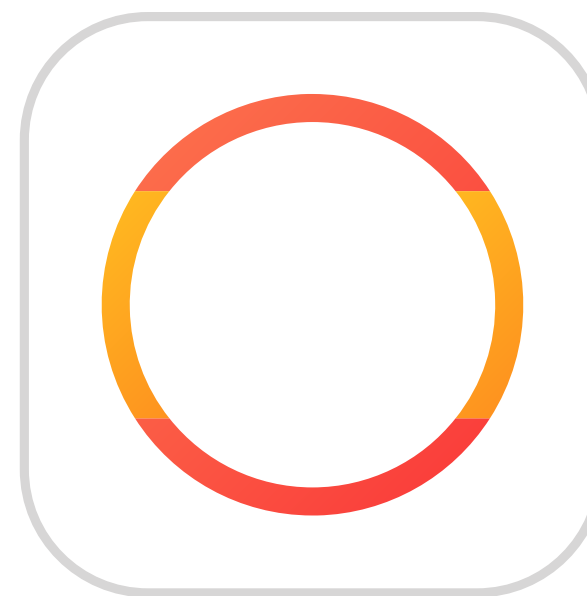
ESS

2017



Economics

2013

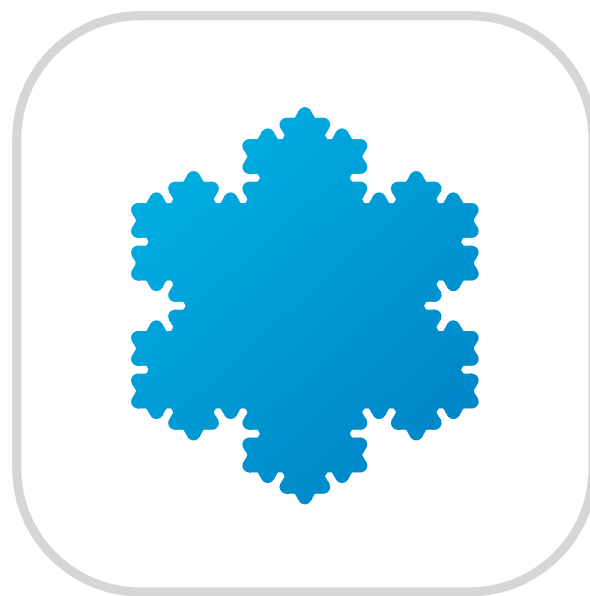


Spanish B

New 2020

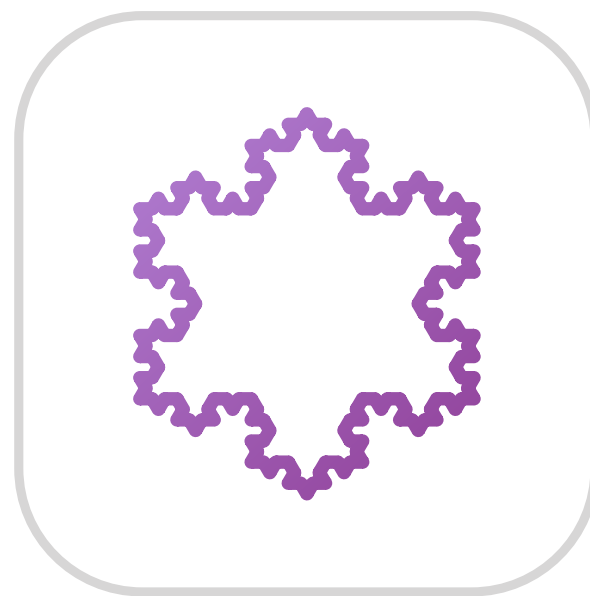
Written by **HAESE MATHEMATICS**

Coming soon



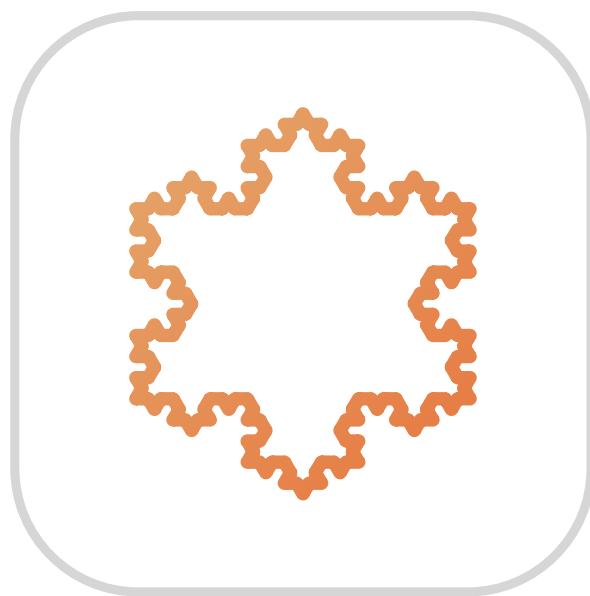
Maths

2014



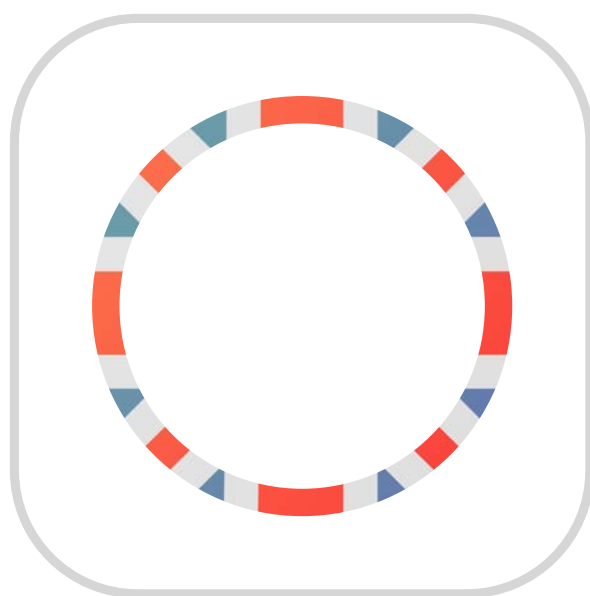
Maths A&A

New 2021



Maths A&I

New 2021



English B

2020



French B

2020



Psychology

2019



Geography

2019



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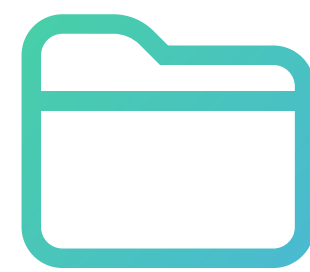


Key features of SMART**PREP** IB App



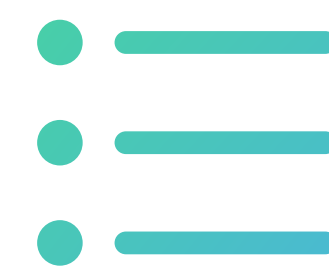
Notes

Add study notes to any card. Access all your notes from a preview screen and sort through them any way you'd like.



Folders

Each card you view is categorized into the smart folders: *Learn*, *Repeat* or *Memorized*. Create additional folders to fit your needs and keep track of your own learning.



Exercises

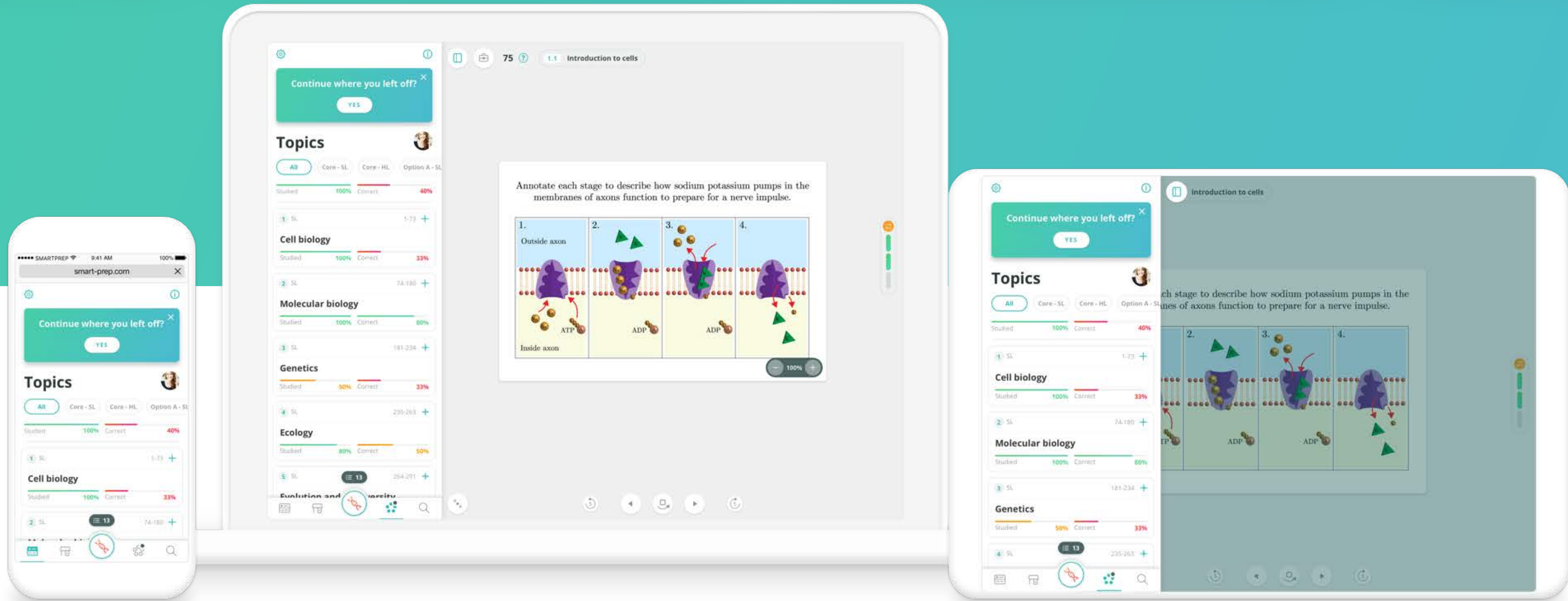
A teacher to student interface

From your **ManageBac** account select the flash cards that match your teaching points, one class at a time. Add a title and message to the SMART**PREP** Exercise, and push it to your students - before, during or after class.



Search

The app always gives you the full picture so you can monitor your study plan. Access your notes, folders, exercises and cards from one convenient search screen.



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10 ways to use SMARTPREP IB App in class

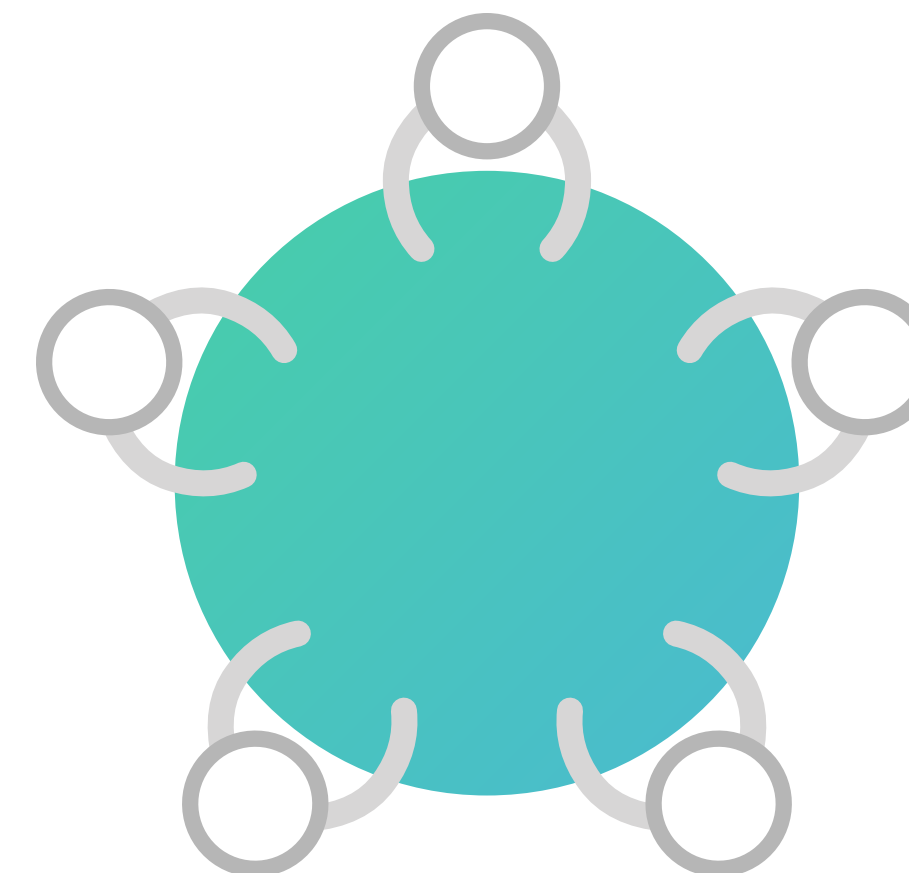
BEAMER



Beaming flash cards augments your teaching with a gaming element your digital native students will love.

- 1 Reverse-study: can your students formulate flash card questions from looking at the answers first?
- 2 Practice analyzing questions and giving complete answers as a class.
- 3 Reinforce your talking points with flash card visuals that focus attention.
- 4 Model the use of notes to personalize cards with the follow-up questions your students ask.

PAIR/GROUP WORK



Access the app from any device, using the school's equipment or your students' own laptops or phones.

- 5 Partner students to take turns answering questions or to respond as a pair.
- 6 Set up work stations around the class, asking students to answer a question correctly before moving on to the next one.
- 7 Ask a conceptual question and challenge students to find the corresponding flash card as quickly as possible.

PREPARATION/REVIEW



Include the app in your lesson preparation to ensure students will remember concepts long after the class is over.

- 8 Select a handful of flash cards to use as active summaries of your main teaching points – stress what is essential to remember.
- 9 Build SMARTPREP Exercises for whole class review. You can even add your own videos, weblinks and word files.
- 10 Encourage your students to use the app as they would reread class notes, self-assessing their answers as they go.



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What users say about SMARTPREP

"Our students really enjoy using SMARTPREP tools. They use them to consolidate their revision throughout the IB DP, and also in groups for revision games. Our overall impression is of a smartly designed, high quality revision product."

TIM JONES Academic Deputy Head - Sevenoaks School
United Kingdom

"You can see that the SMARTPREP authors have deep knowledge of the courses and help to prepare students thoroughly, ensuring that nothing is missed. Revision can be a social activity, independent and fun!"

MALCOLM NICOLSON Former Head of IB DP Development
The Netherlands

"I think the cards are excellent. The author has managed to conserve the conceptual nature of the new syllabus, which is great. I would certainly recommend them to my students."

PAM CARTER IB DP Coordinator & Biology Workshop Leader
Malaysia

"SMARTPREP has been a tool for me, in both Economics and Biology, which has taught me all I needed to know - nothing more, nothing less. The questions along with the answers are structured in a way that eases processing and memorizing the information in a very time-efficient way. Thank you SMARTPREP!"

CEDRIC VON HALEM IB Alumni - Munich International School
Germany



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How much does SMART**PREP** IB App cost?

CNY 5,880

per year and per school

✓ All students

✓ All teachers

✓ All SMART**PREP** subjects

For ease of accounting, the SMART**PREP** subscription fee will be rolled up into your **ManageBac** invoice. Nothing to it!



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Get started in 3 easy steps

1

PURCHASE FULL ACCESS OR REQUEST A 14-DAY TRIAL

OPTION 1

Contact your **ManageBac** sales or support representative.

SEE CONTACT DETAILS AT BOTTOM

Licenses are exclusively available through **ManageBac**.

OPTION 2

Tell your school's **ManageBac** admin to follow the steps below:

1. Go to **Settings > Integrations**
2. Select **SMARTPREP**
3. Click on **Request Integration**

The button will now read 'Waiting for Integration'



A **ManageBac** representative will get in touch with you to verify whether you want to purchase full access or request a 14-day trial. Then **ManageBac** will open the integration for you.



2

ENABLE THE APP



Tell your school's **ManageBac** admin to follow the steps below:

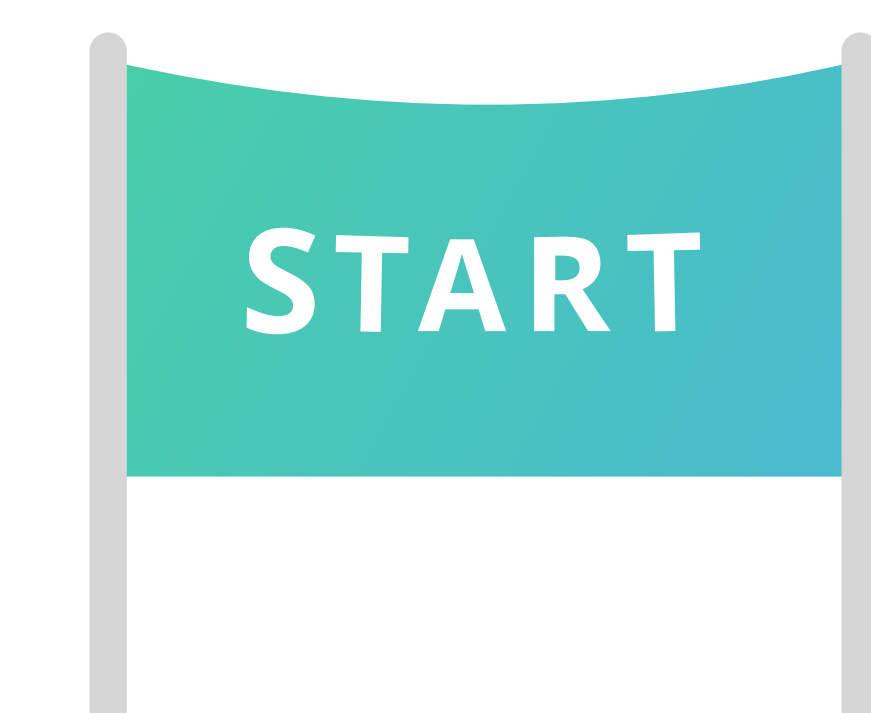
1. Go to **Settings > Integrations**
2. Select **SMARTPREP**
3. Click on the **Enabled** checkmark

Now it will take around 2 hours for all data to sync



3

GET STARTED



The data sync will allow:

- all your students and teachers to access **SMARTPREP** IB App.
- your teachers to create **SMARTPREP** Exercises.



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START NOW AT [APP.SMART-PREP.COM](https://app.smart-prep.com) →