

K3-K5 | FUN SCIENCE (SPRING 2026)

MOONSHOT LABS

SCIENCE EXPERIMENTS FOR THE CURIOUS



ABOUT US 关于我们

Moonshot Labs introduces students to the fundamental sciences via the **United Nations Sustainable Development Goals**. Through hands-on experiments, students develop a **scientific mindset, creative thinking and problem solving skills** to tackle the world's most pressing problems. We work 2,500 students across **40+ school partners**.

Moonshot Labs 实验课根据**联合国可持续发展目标 (SDGS)** 促进学生学习，理解和应用基础科学。通过动手实验，培养学生的**科学思维，创新思维和解决问题的能力**，以解决**世界上最紧迫的问题**。我们与40多所学校合作，陪伴2500多名学生一起探索科学，包括CAIS中美国际学校 (旧金山)，ISB北京顺义国际学校，YCIS上海耀中国际学校，ISNS南山国际学校等。



INTRO 主题介绍

Zoologist & Bug Biologist | SDG #14 Life on Land

Have you ever wondered "why do bugs wriggle?" or "why are skunks so smelly?" Join Moonshot Labs, transform into a **【Zoologist & Bug Biologist】**, and embark on a journey to explore the animal kingdom and the world of tiny crawlers. Starting with "biodiversity" (UN Sustainable Development Goal 14: Life on Land), dive deep into exploration through **interdisciplinary experimental activities!** Make snail mucus, brew beetle juice paint, recreate glowing fireflies and more exciting challenges await you!

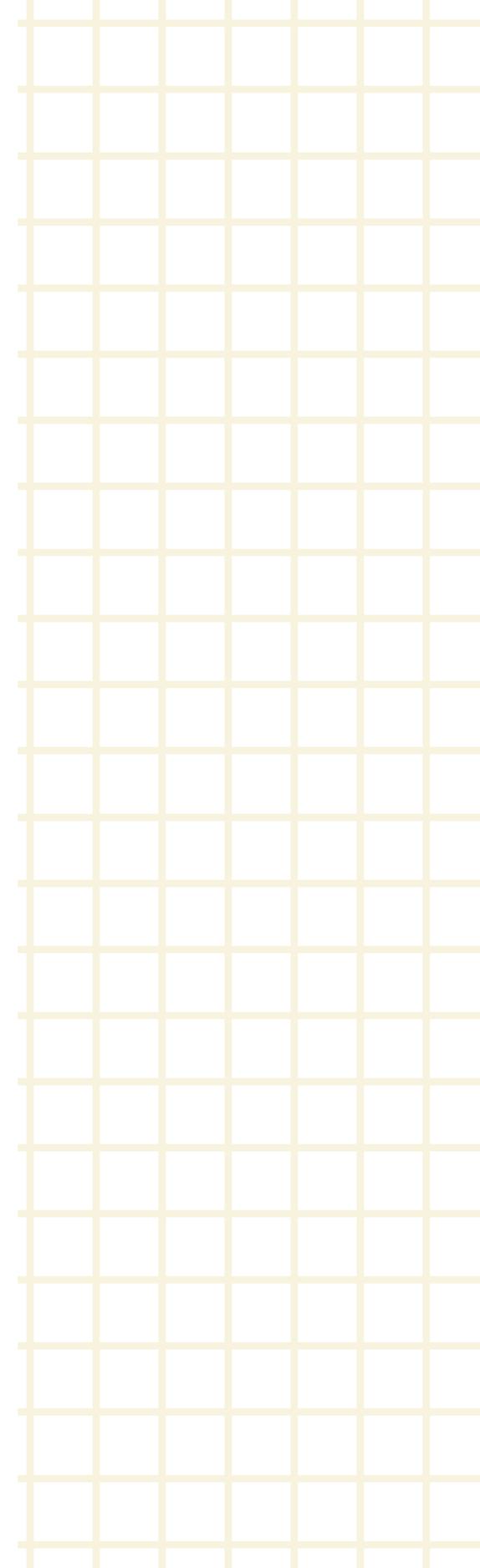
虫虫特工队 | SDG #14 陆地生物

你是否好奇过“为什么虫子会蠕动？”，或者“为什么臭鼬很臭”？加入 Moonshot实验室，化身**【虫虫特工队】**，开启动物王国与小小爬行者世界的探索之旅。从“生物多样性”（联合国可持续发展目标14：陆地生物）出发，通过**跨学科实验**活动深入探秘！制作**蜗牛粘液**、酿造**甲虫汁涂料**、还原**闪烁萤火虫**等更多精彩挑战等你来解锁！



COURSE SCHEDULE 课程计划 (1/2)

Lesson	Topic	Description
1	Flashing Fireflies 飞火流萤	Students make fireflies with LEDs and circuits to explore basic circuit knowledge. 学生们将用LED灯和迷你电路做萤火虫，探索基础电路科学小知识。
2	Buzzing Bees 嗡鸣蜜语	Students use 3D tools to make foam honeycombs and explore surface tension. 学生们将用立体工具创造泡沫蜂巢，探究液体表面张力的科学原理。
3	Itchy Bites 虫叮探秘	Students explore mosquito bite itch causes and learn acetic acid properties. 学生们将解密蚊虫叮咬发痒原因，解锁乙酸性质认知酸碱性知识。
4	Caterpillar Crawl 毛虫蠕动	Students make moving caterpillars via capillarity and learn caterpillar features. 学生们将借毛细现象制作蠕动的毛毛虫，了解毛虫基本生物特性。
5	Butterfly Scales 蝶翅鳞光	Students explore butterfly wing scales and make models to learn their secrets. 学生们将探索蝴蝶翅膀鳞片结构，制作模型认知鳞片保护与色彩奥秘。
6	Cicada Sounds 夏蝉鸣响	Students explore cicada sounds and learn sound comes from object vibration. 学生们将探究蝉的发声原理，理解声音来源于物体振动的核心知识。



COURSE SCHEDULE 课程计划 (2/2)

Lesson	Topic	Description
7	Compound Eyes 复眼寻踪	Students make compound eye glasses and learn dragonfly vision and flight. 学生们将做复眼眼镜与竹蜻蜓，了解蜻蜓复眼功能探索飞行奥秘。
8	Cochineal Dyeing 胭脂染韵	Students grind cochineal to dye cloth and learn natural pigment dyeing rules. 学生们将研磨胭脂虫粉染布，认识胭脂虫用途感知天然色素原理。
9	Ladybug Patrol 星甲巡田	Students make electric ladybug models to patrol and learn ladybug characteristics. 学生们将自制电动瓢虫模型，模拟巡田捕蚜了解益虫瓢虫的生物特性。
10	Gecko Hunting 壁虎攀捕	Students make gecko models to simulate wall insect hunting and learn adhesion. 学生们将做粘脚壁虎模型，模拟墙面捕虫探索其吸附爬行的小奥秘。
11	Silkworm Weaving 蚕丝织扇	Students reel silk from cocoons to make mini silk fans and learn silkworm features. 学生们将抽丝剥茧取蚕丝，制作迷你蚕丝扇了解蚕的吐丝结茧特性。

Note: The schedule may be adjusted a little based on students' actual situations to provide them with more suitable and fulfilling exploration experiences. 课程可能根据学生的实际情况做出适应性调整，以带给学生们更合适、充实的探索体验。

OUR PARTNERS

📍 BEIJING, HONG KONG, SHANGHAI,
SHENZHEN, SAN FRANCISCO

Chinese American International School (SF)

Chinese International School (HK)

International School of Beijing

Beijing City International School

Presidio Knolls School (SF)

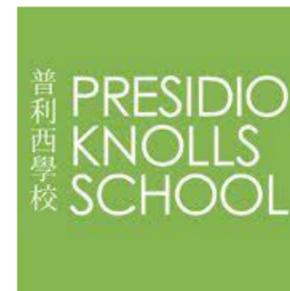
The Hamlin School

San Francisco Day School (SF)

The British School of Beijing

Yew Chung International School (SH)

...30+ other school partners



REGISTRATION 咨询报名

COURSE DETAILS

课程安排

CLASS TIME 课程时间

Tue. 周二 15:30-16:30

CLASS DATES 课程日期

Mar.10th-May.26th (11节)

TOTAL 总费用

3550元 (含材料费250元)

LANGUAGE 授课语言

English and Chinese 中英文

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