

第三个数学报告：用 Scratch 设计互动数学问题

The 3rd Math Project: Use “Scratch” to design math interactive questions

报告平台：Scratch (an app provided by MIT, one of the app approved by HISD)

1. 如果你没有账号的话，请先注册一个账号。

If you don't have an account, select your homeroom and register a new account.

(1) 请不要以自己的名字作为账号

Don't use your name as the account

(2) 请在“关于我”写下你的名字的缩写

Please leave your initials in the “About me” column.

2. 如果你想要知道如何使用 Scratch，请参考我的网站档案 “The 3rd Math Project : How to Scratch”。

If you'd like to know how to use Scratch, please refer to my webpage and find the PDF file named “The 3rd Math Project: How to Scratch.”

报告内容 project instructions

1. 以 Scratch 设计 **两个不一样的数学问题**。第一个问题以英文写成，第二个问题以中文写成。

Design two different math questions on Scratch. The first math question is written in English, while the second in Mandarin Chinese.

dāng nǐ zài xiě zhōng wén dì shù xué wèn tí shí , rú guǒ nǐ bù què dìng zhōng wén zì huì , qǐng nǐ àn zhào xià liè fāng fǎ 。
2. 当你在写中文的数学问题时，如果你不确定中文字汇，请你按照下列方法。

When you're writing the second math question in Mandarin, if you're not sure of some terms, please refer to the following resources.

(1) Google Translate

chá zì diǎn check dictionary

wèn péng yǒu ask friends

wèn lǎo shī ask your teacher

zài nǐ shè jì wán liǎng gè wèn tí zhī hòu , nǐ xū yào :
3. 在你设计完两个问题之后，你需要：

After finishing designing two math questions, you also need to:

zì jǐ tián rù bù tóng dá àn , cè shì nǐ dì yóu xì 。 rú guǒ yǒu xiē gōng néng wú fǎ yùn zuò , qǐng zài zhòng xīn shè jì 。
(1) 自己填入不同答案，测试你的游戏。如果有些功能无法运作，请再重新设计。

Fill out different answers to test your games. If some functions don't work, please revise your coding.

qǐng nǐ dì péng yǒu cè shì nǐ dì yóu xì , bìng qiě zài liú yán lǐ tí gōng fǎn kuì 。 rú guǒ yǒu xiē gōng néng wú fǎ yùn zuò , qǐng zài zhòng xīn shè jì 。
(2) 请你的朋友测试你的游戏，并且在留言里提供反馈。如果有些功能无法运作，请再重新设计。

Ask your friend(s) to test your games and provide feedback on the comment column. If some functions don't work, please revise your coding.

qǐng nǐ dì lǎo shī cè shì nǐ dì yóu xì , bìng qiě zài liú yán lǐ tí gōng fǎn kuì 。 rú guǒ yǒu xiē gōng néng wú fǎ yùn zuò , qǐng zài zhòng xīn shè jì 。
(3) 请你的老师测试你的游戏，并且在留言里提供反馈。如果有些功能无法运作，请再重新设计。

Ask your test to test your games and provide feedback on the comment column. If some functions don't work, please revise your coding.

4. ^{gōng jù}工具 tools

(1) ^{rú guǒ nǐ xū yào zhī dào zhōng wén pīn yīn}如果你需要知道中文拼音, ^{qǐng nǐ dào zhè lǐ}请你到这里。

Copy Chinese words and paste them on this website, and you'll be able to convert them into pinyin.

<http://www.beijingputonghua.com/tools/hz2py/hz2py.htm>

(2) ^{xiàn shàng zhōng wén zì diǎn}线上中文字典 online Chinese dictionary

<http://www.archchinese.com/>

(3) **Google translate**

<https://translate.google.com/>