

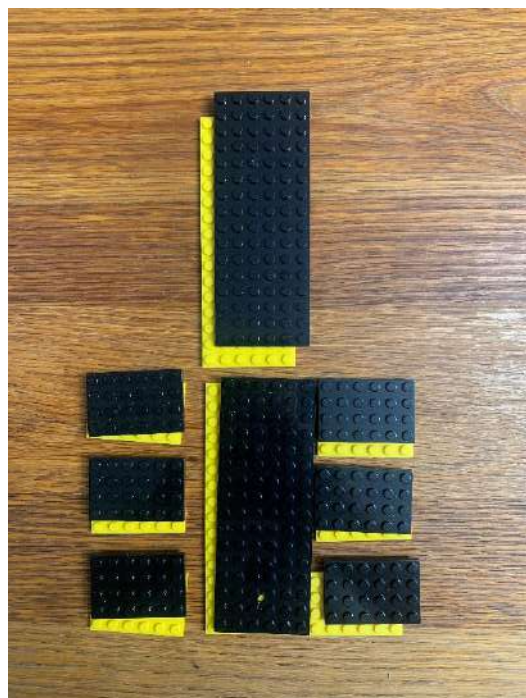
Step 1 – 确定颜色/设计和尺寸

确定您小提琴的颜色/设计和尺寸。

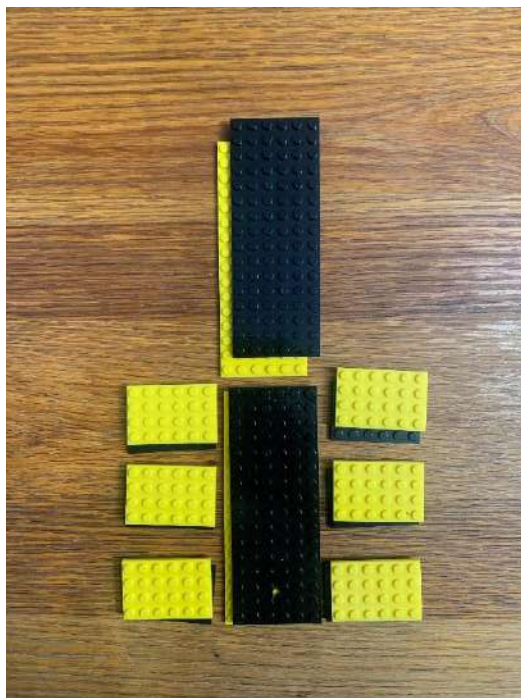
本产品包含两种颜色底板（主色和次色），因此您需要首先确定小提琴的颜色/设计。

将板材按照下面示例中的方式放置，以便您了解最终效果。示例中使用了黑色和黄色的组合，您的包装可能包含其他颜色组合。选项如下，但不限于：

纯黑色 – 黑色底板在上



主轴黑色侧边黄色



Step 1 – 设计

确定小提琴颜色和设计

摆放琴头查看整体效果



可能还会有其他颜色组合，您甚至可以使用自己的乐高积木，只要它们与本文件中对应的规格相同即可。



Step 1 – 提琴尺寸

使用相同的一套积木和零件，您可以组装两种不同尺寸的小提琴，即1/8, 1/4。您可以参考此表来确定小提琴的尺寸。

(VIOLIN CHART)									
									
Size	4/4 full size	7/8	3/4	1/2	1/4	1/8	1/10	1/16	1/32
Age	11+ and adults	10+ and adults	9-11	7-9	6-7	5-6	4-5	5 years and under	
Arm length CM (neck to mid-palm)	58,5	57,5	56	51	47	42	38	35,5	35 and under
Arm length INCH	23	22	22	20	18	16	15	14	14 and under
Total violin length CM	59	57	55	52	48	43	39	36	33
Total violin length INCH	23	22	22	20	19	17	15	14	13
Violin body length CM	36	34,5	33	30	28	25	23	21	18
Violin body length INCH	14	13,5	13	12	11	10	9	8	7



出于演示目的，我们将组装左侧设计的1/8尺寸。

对于1/4尺寸，请参考第20页至文末。

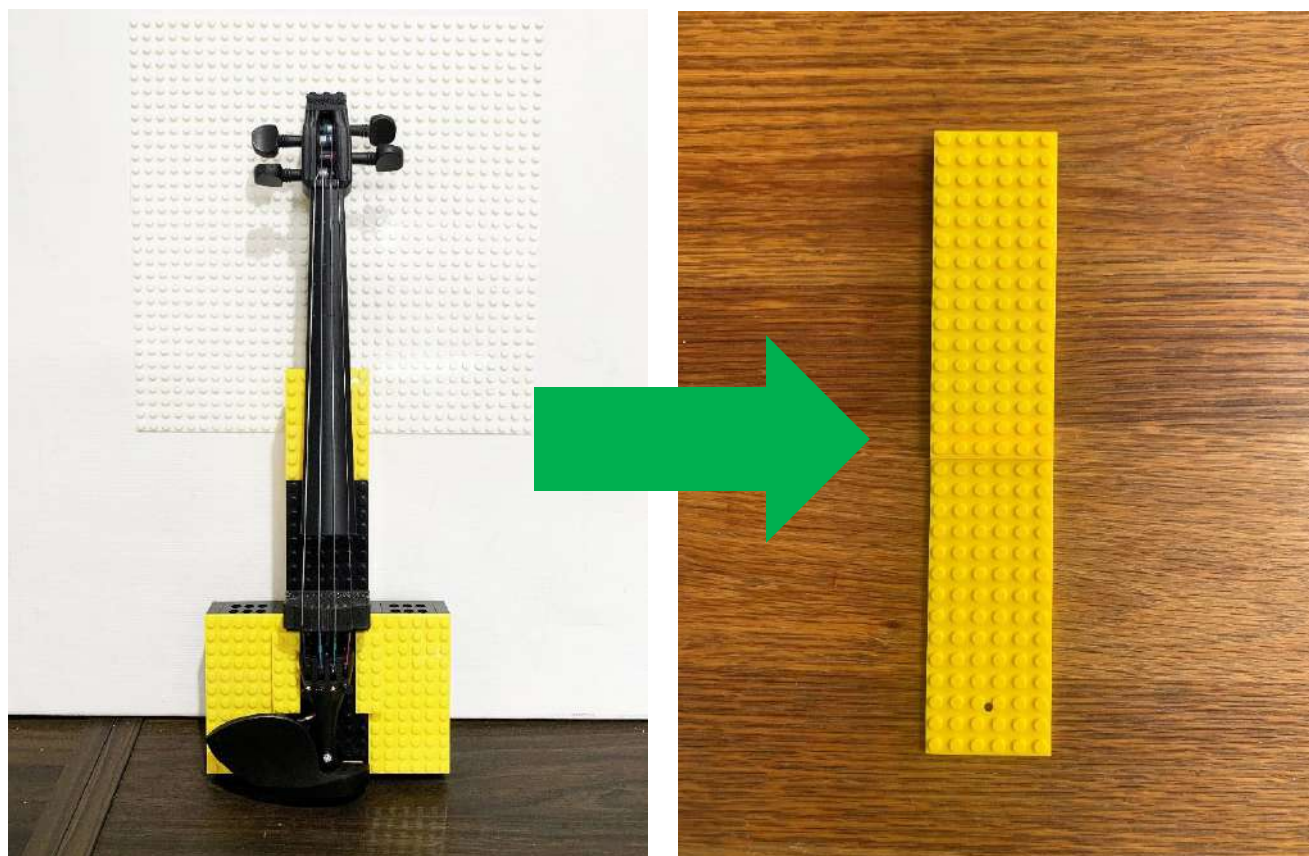


Step 2

搭建提琴脊柱

1/8 size spine

在本示例中，我们将按照下图设计组装小提琴，因此黑色是脊柱的面板，黄色板是脊柱的背板，可以先挑出黄色底板摆放。

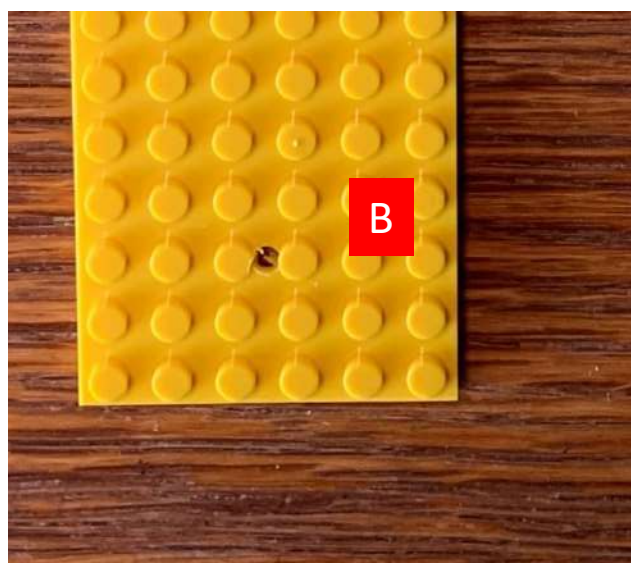
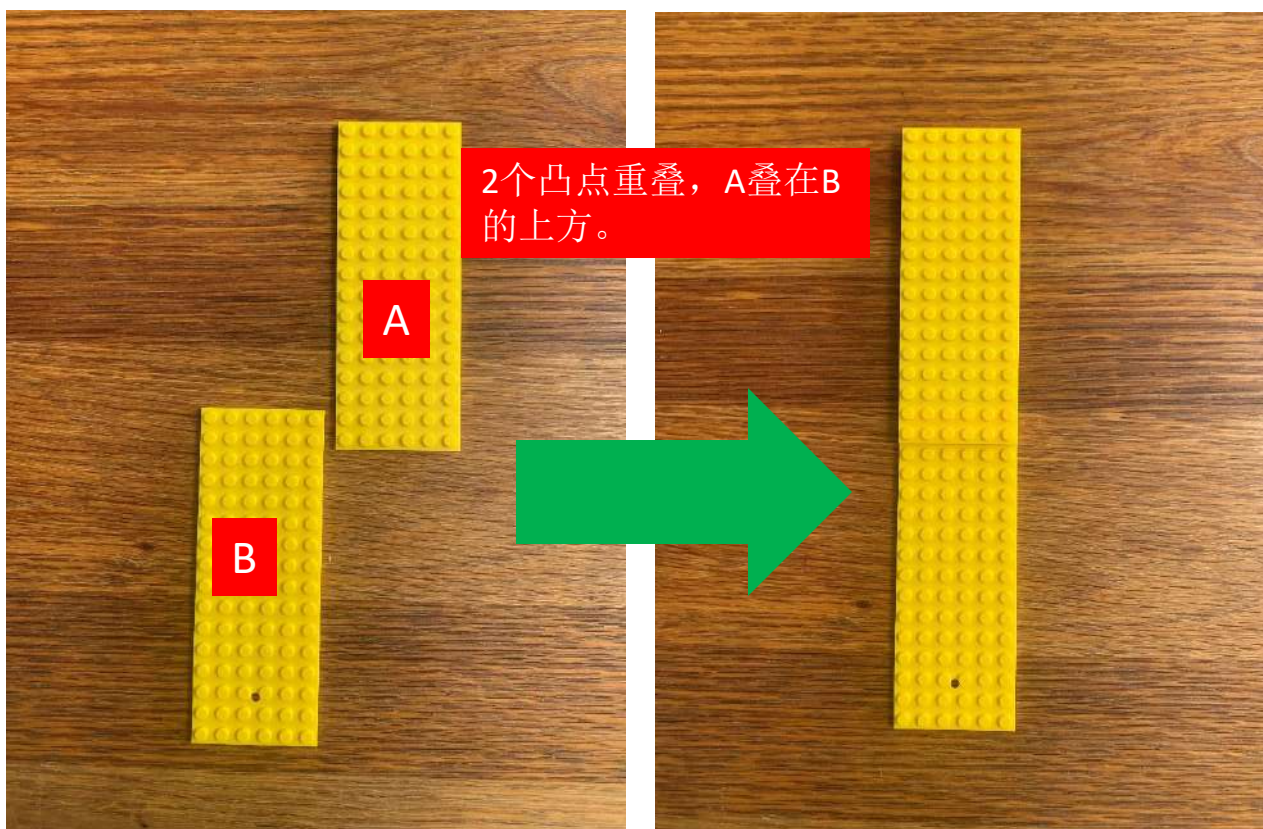


Step 2

搭建提琴脊柱

1/8 size spine

Step 2a – 拼接脊柱底板



Note:

确保底板 (B) 是下半部分有孔的那块板。

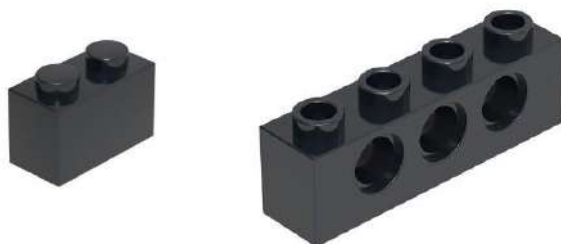
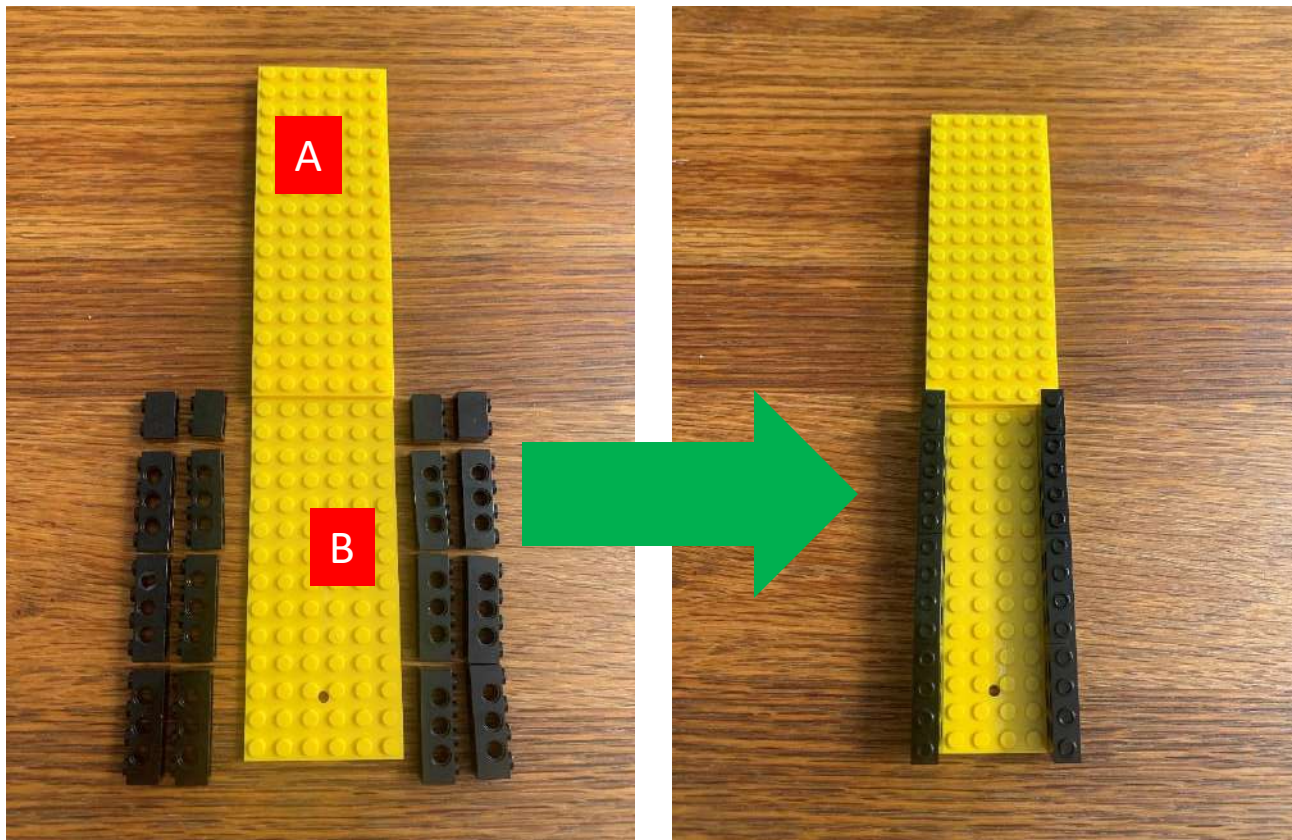


Step 2

搭建提琴脊柱

1/8 size spine

Step 2b – 连接 A 和 B

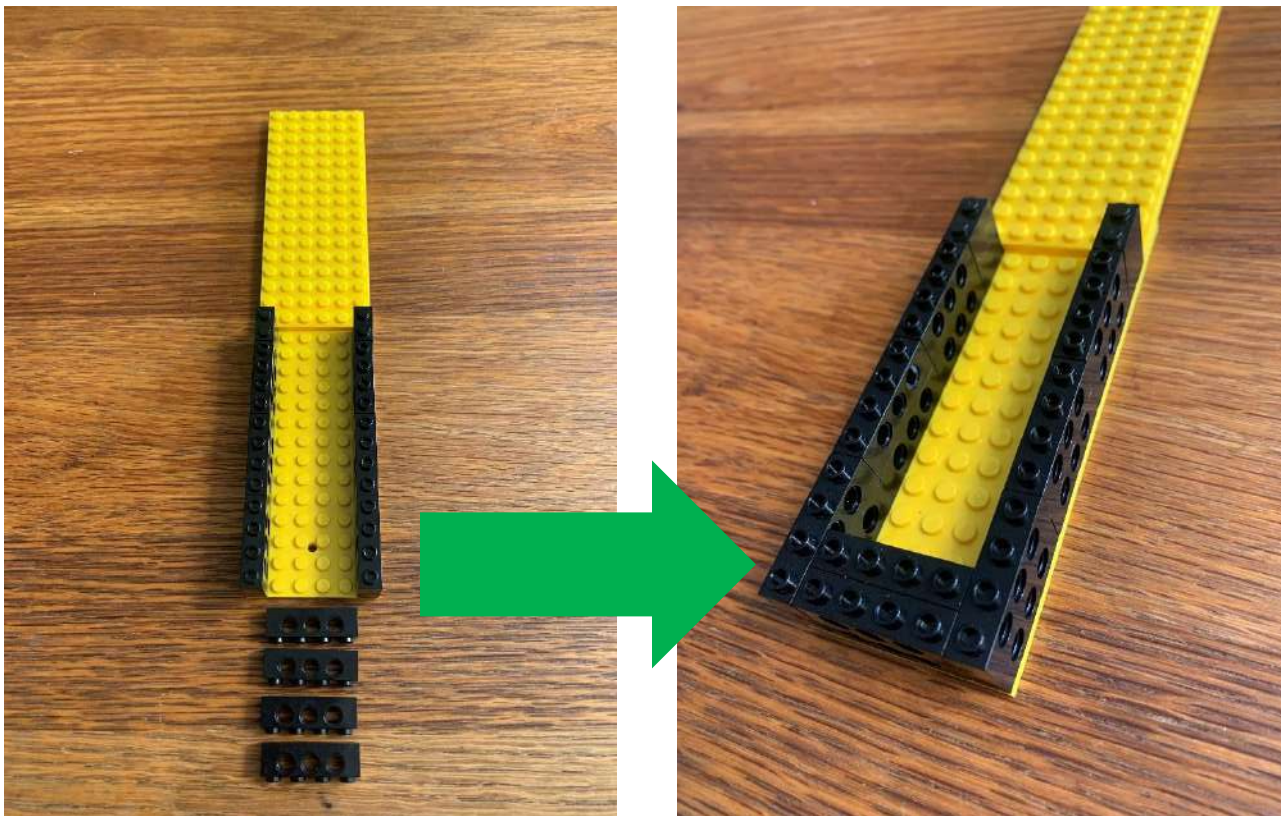


Step 2

搭建提琴脊柱

1/8 size spine

Step 2c

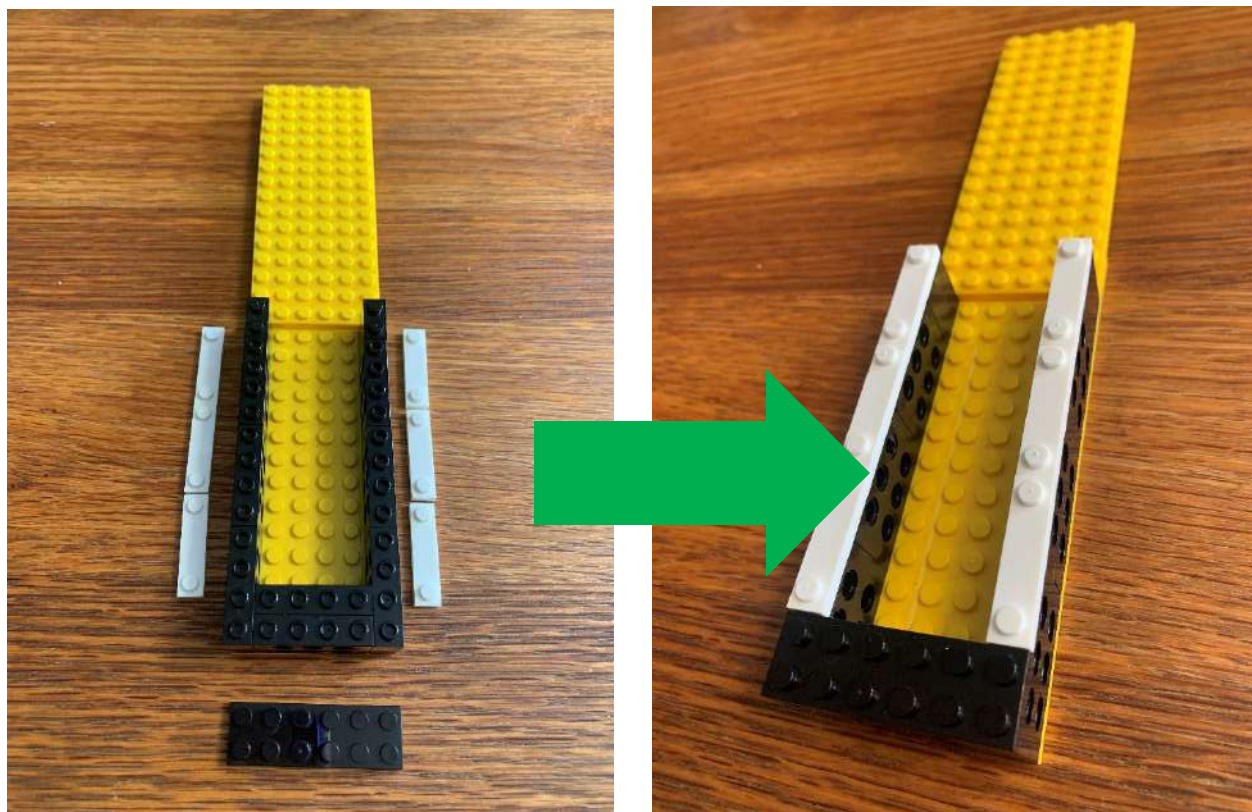


Step 2

搭建提琴脊柱

1/8 size spine

Step 2d

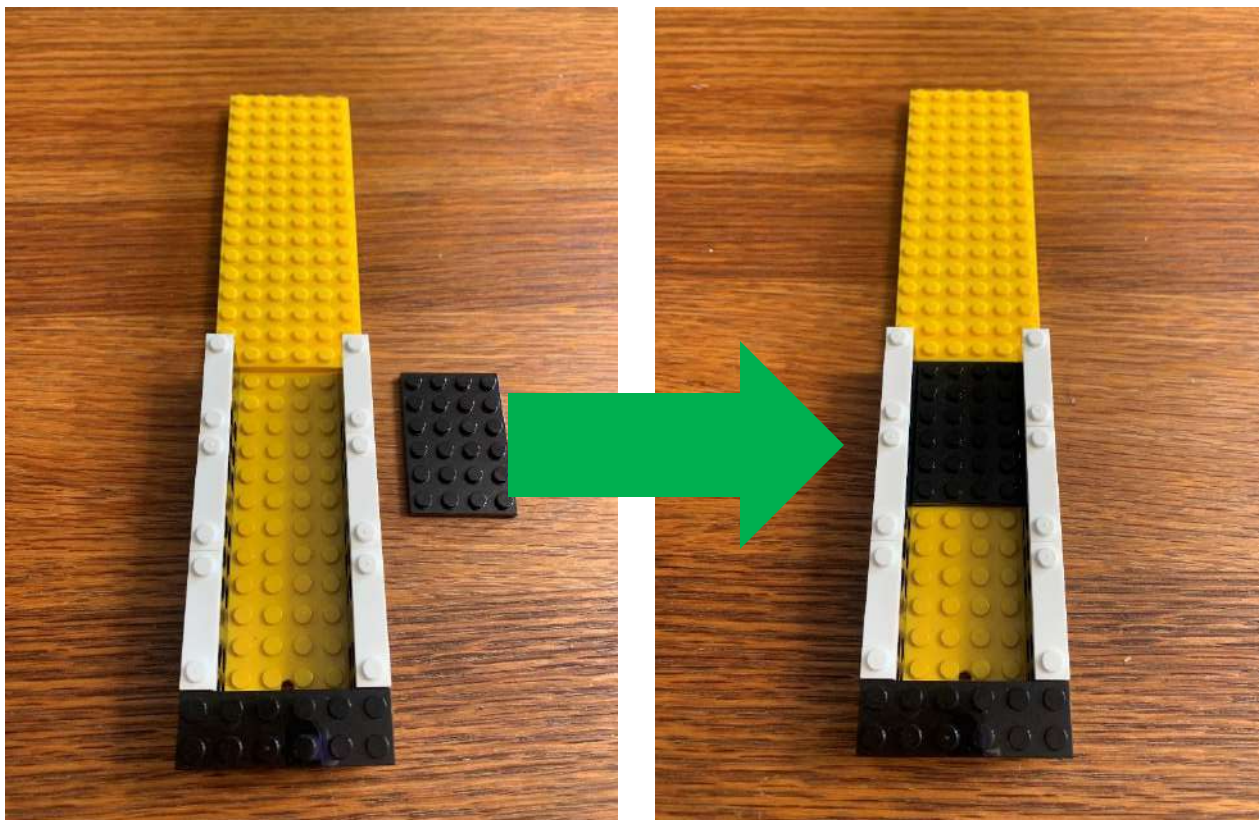


Step 2

搭建提琴脊柱

1/8 size spine

Step 2e

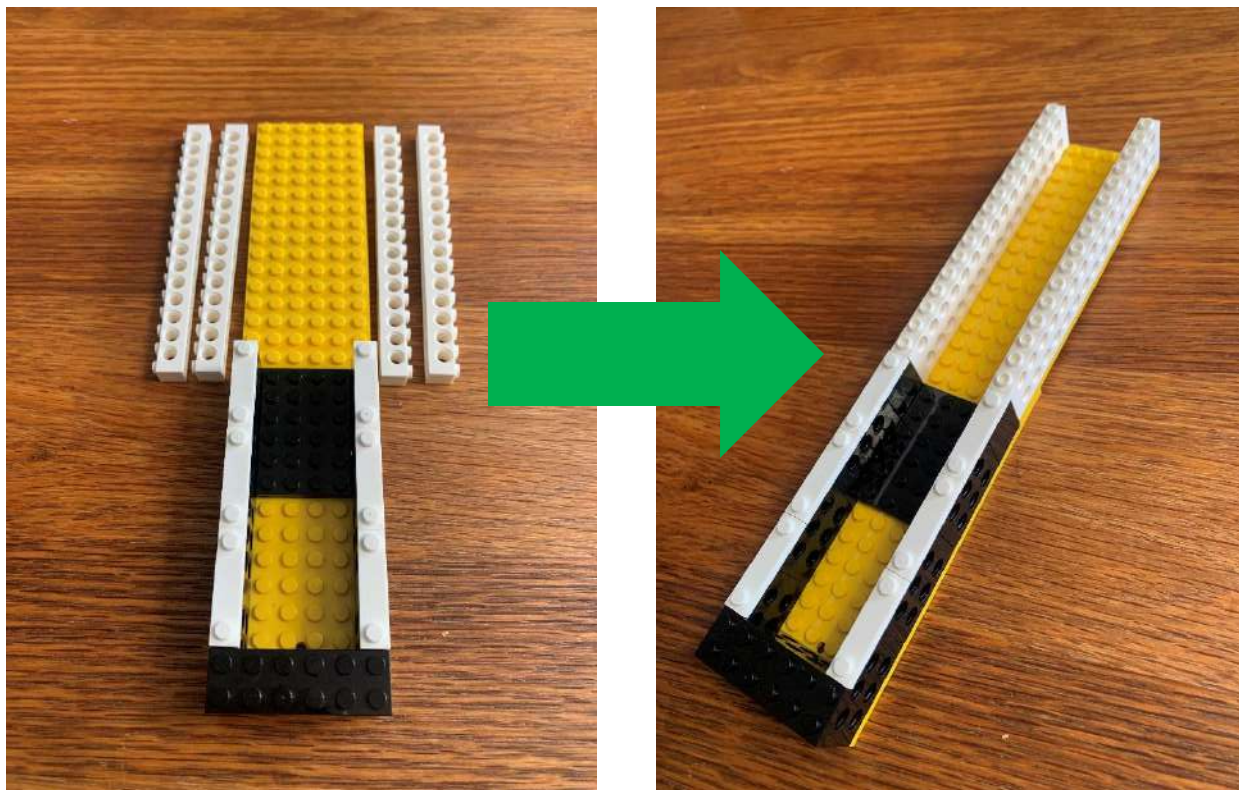


Step 2

搭建提琴脊柱

1/8 size spine

Step 2f

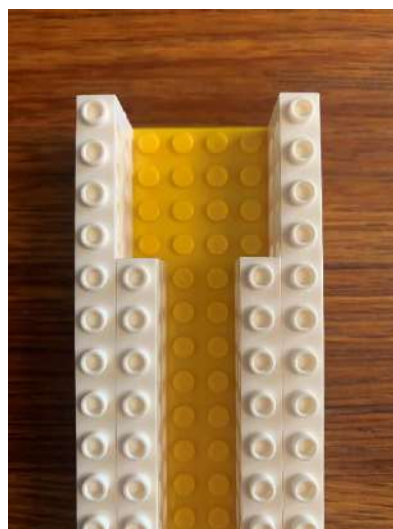
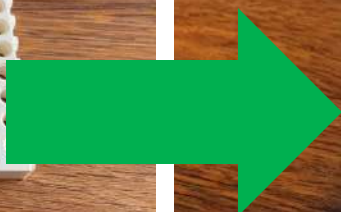
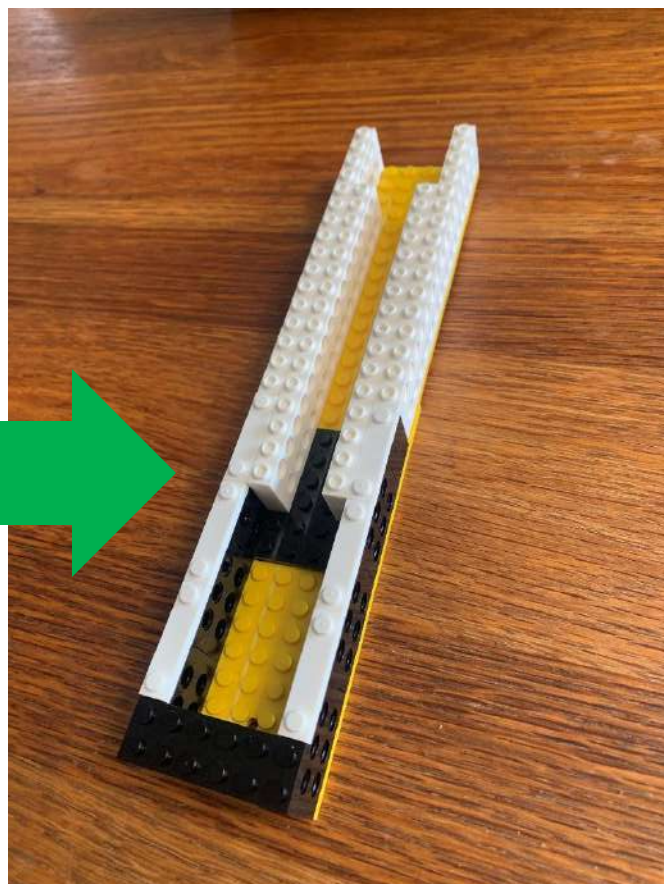
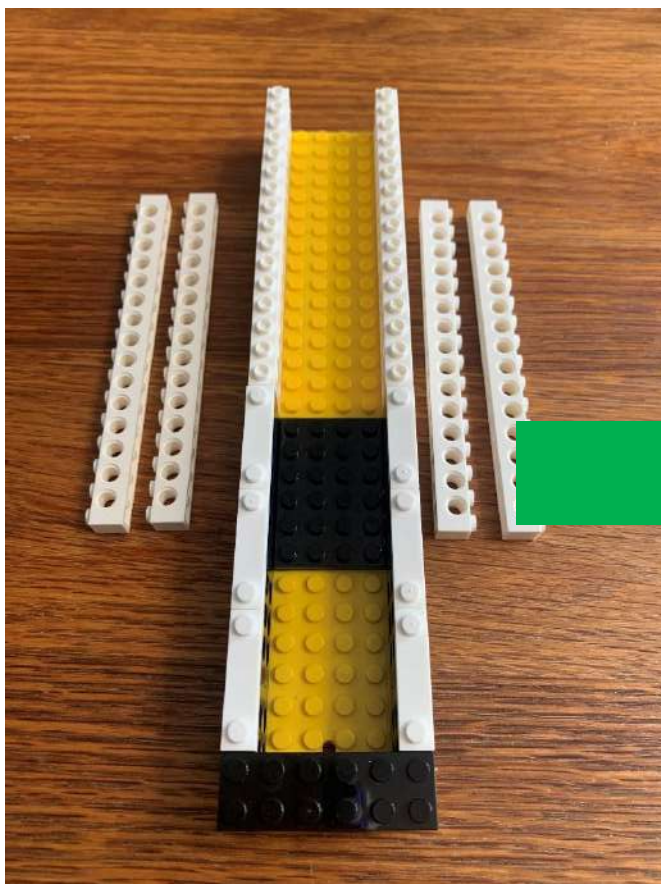


Step 2

搭建提琴脊柱

1/8 size spine

Step 2g

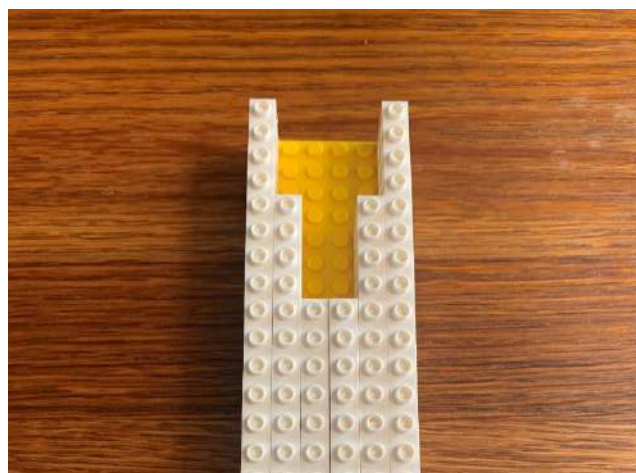
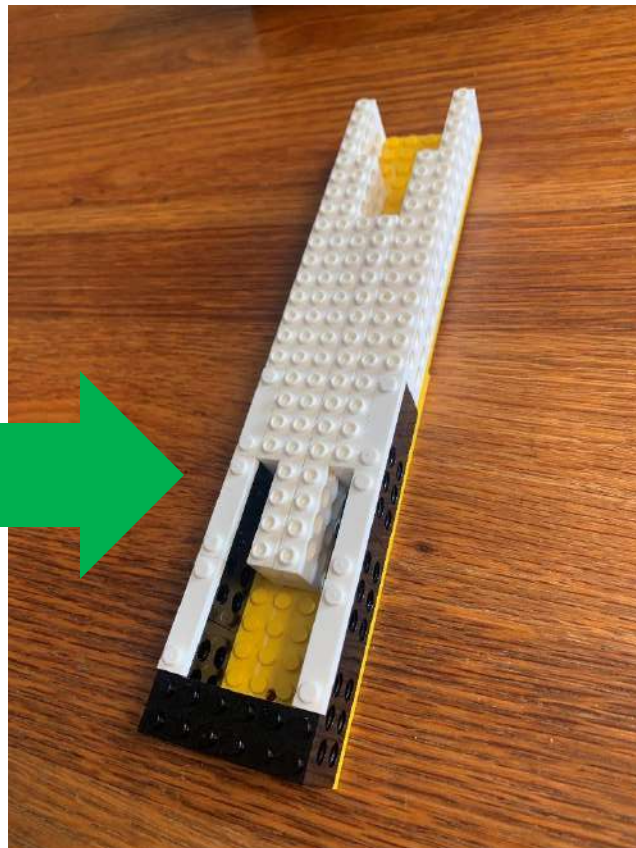
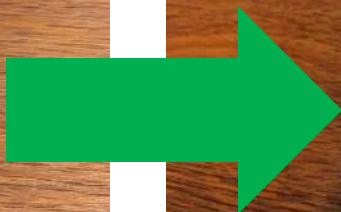
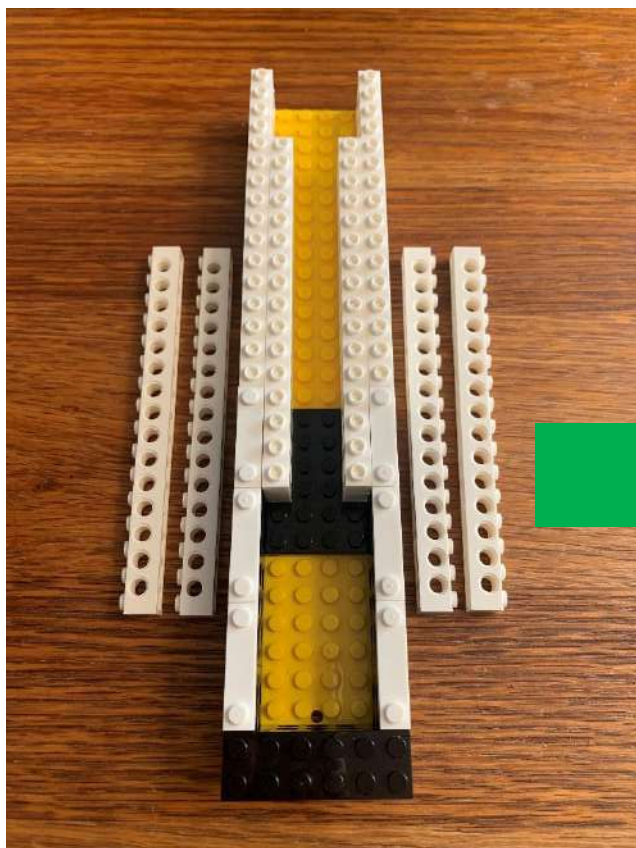


Step 2

搭建提琴脊柱.

1/8 size spine

Step 2h

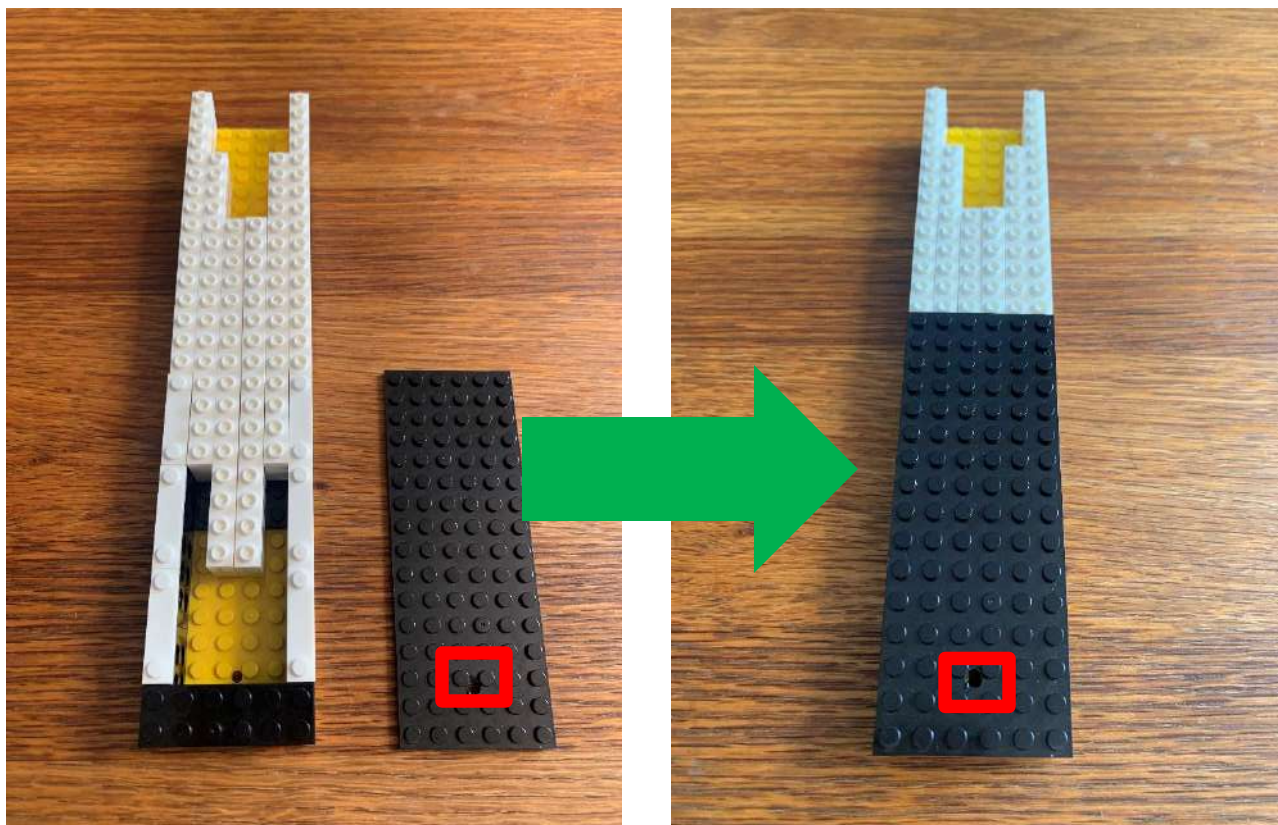


Step 2

搭建提琴脊柱

1/8 size spine

Step 2i



Note:

确保底板是下半部分有孔的那块板。

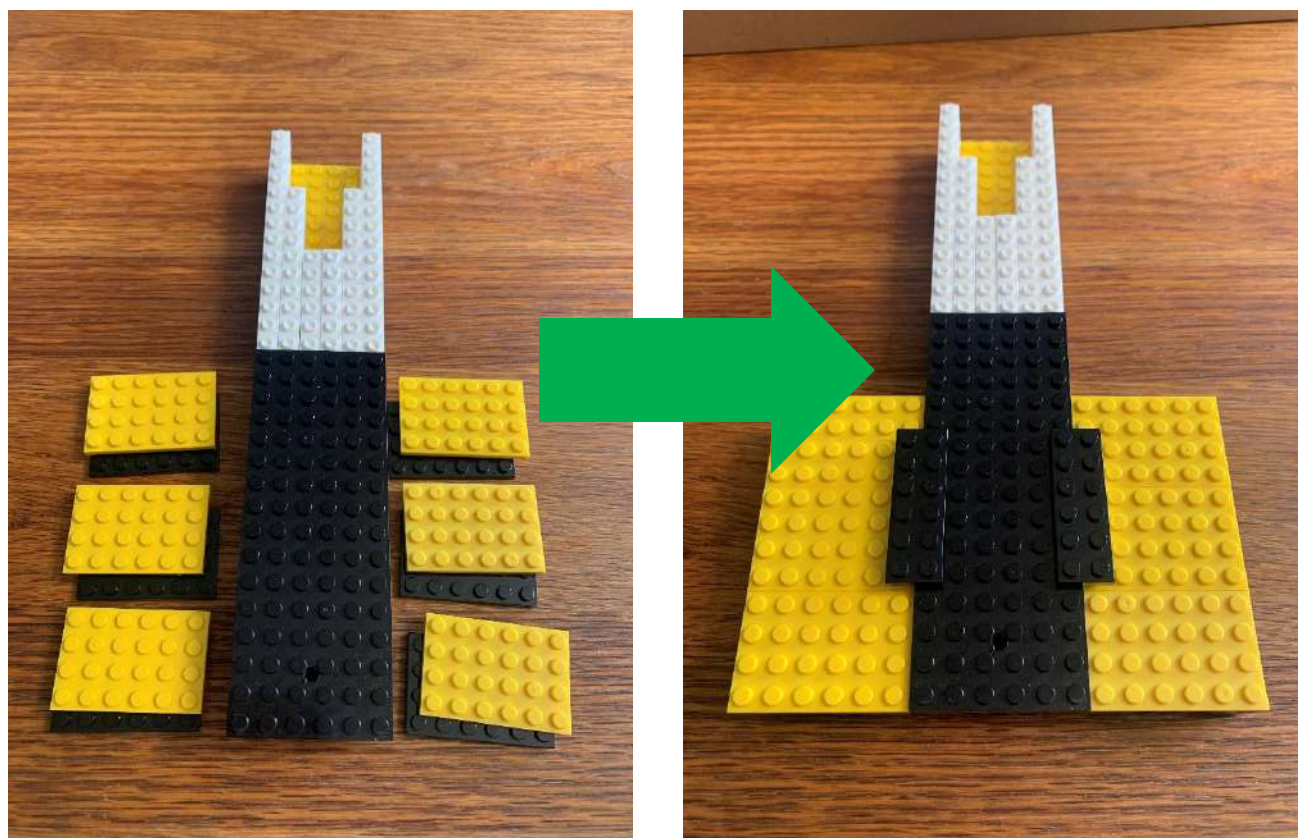


Step 2

搭建提琴侧边箱体

1/8 size spine

Step 2j



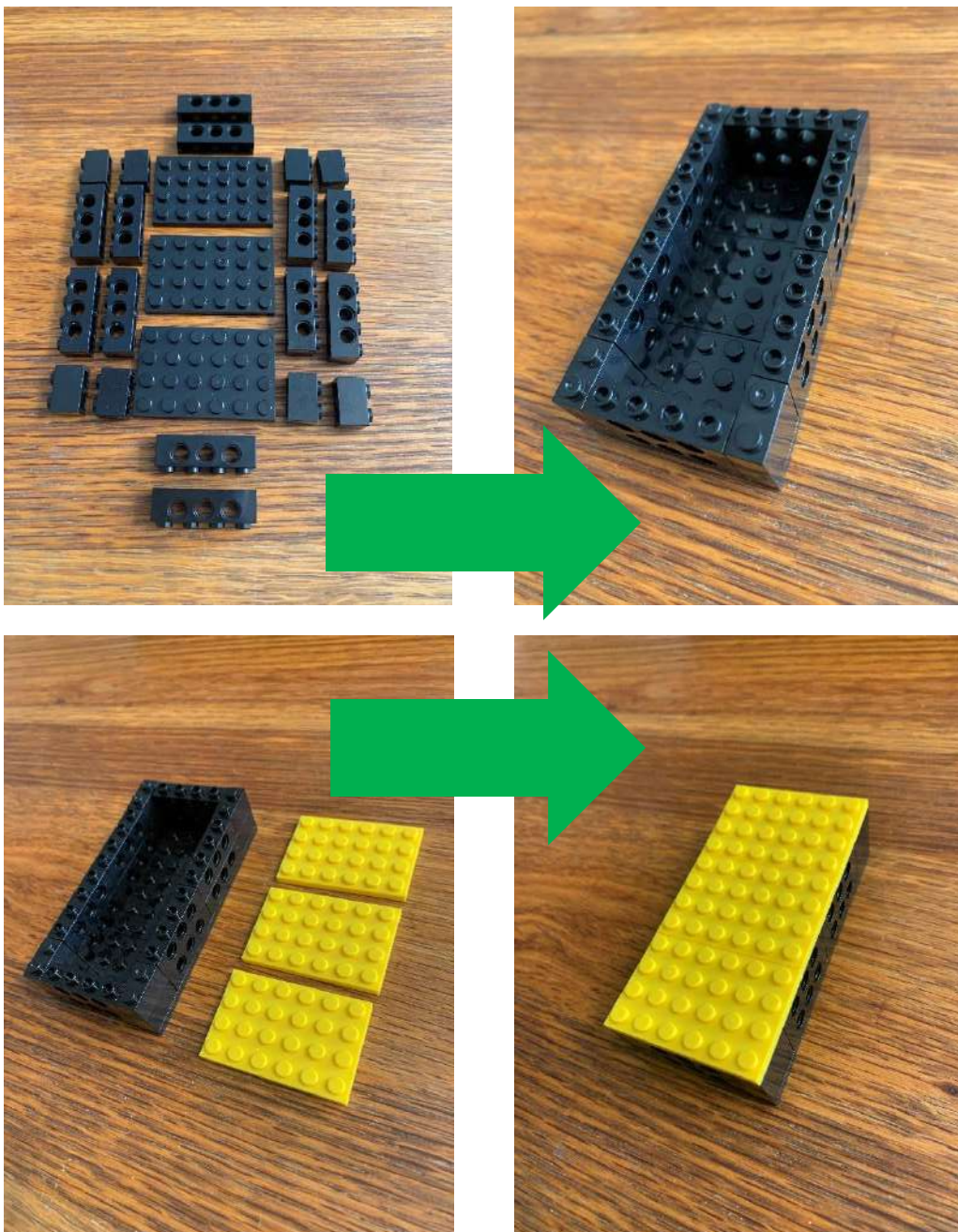
Step 2

搭建提琴侧边箱体

1/8 size spine

Step 2k

重复以下步骤搭建两个盒子

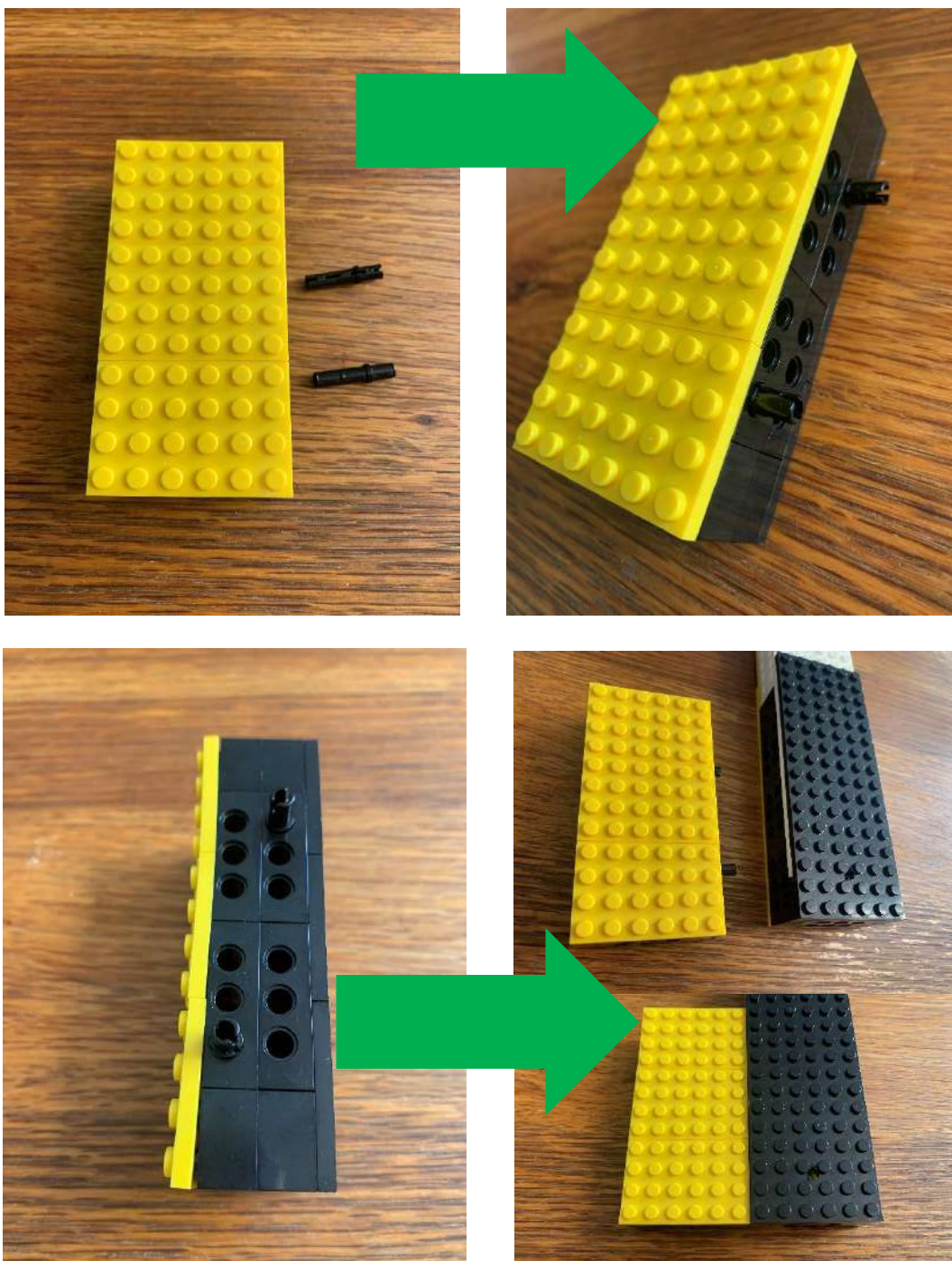


Step 2

搭建提琴侧边箱体

1/8 size spine

Step 2I – 插入脊柱

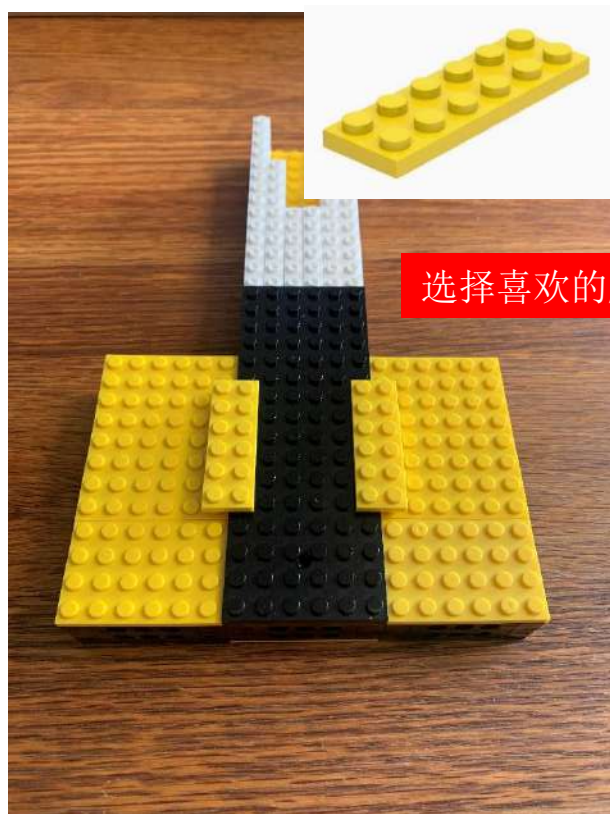
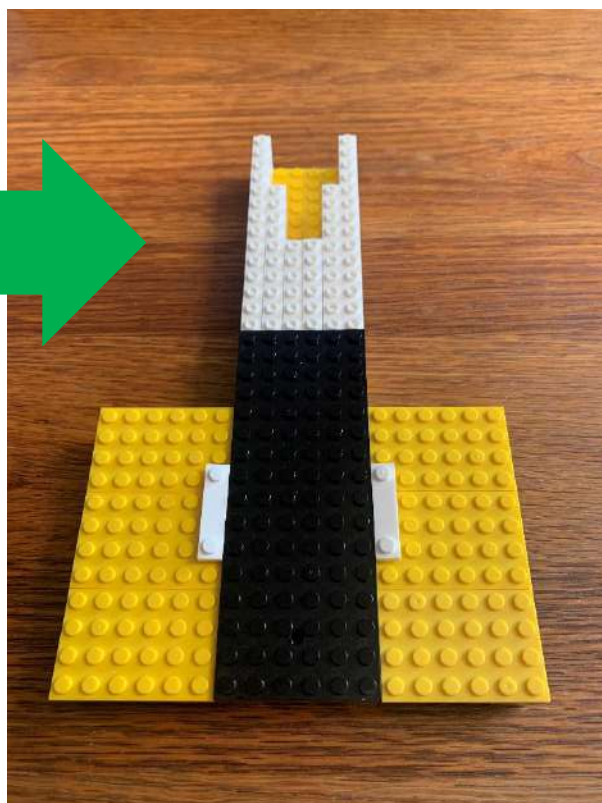
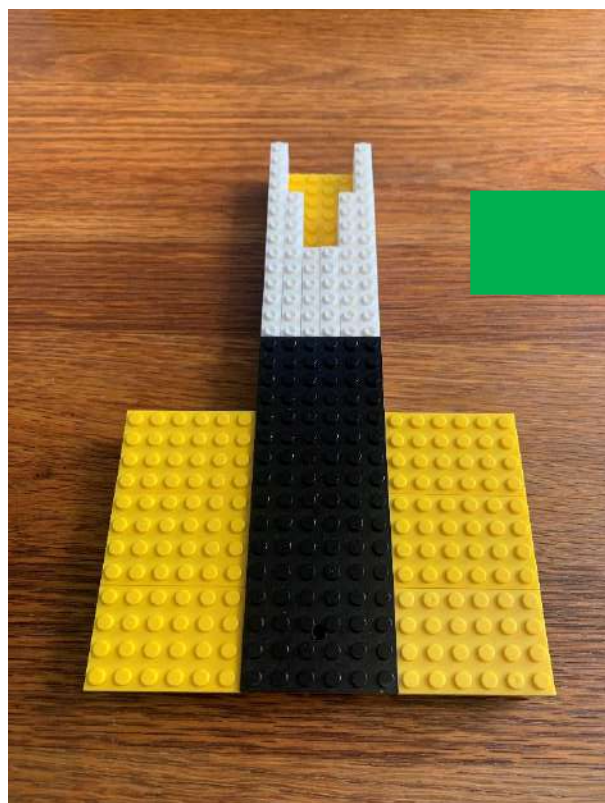


Step 2

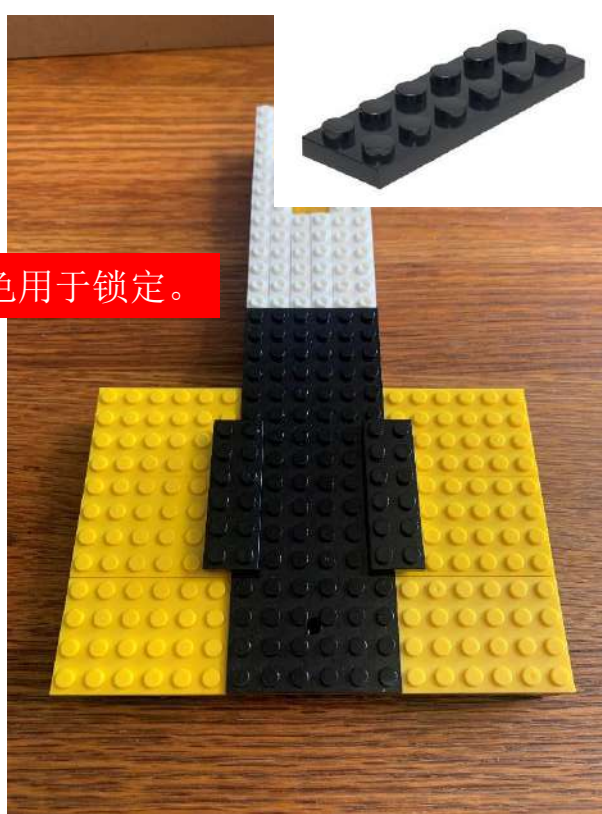
搭建提琴侧边箱体

1/8 size spine

Step 2I – 锁定正面



选择喜欢的颜色用于锁定。

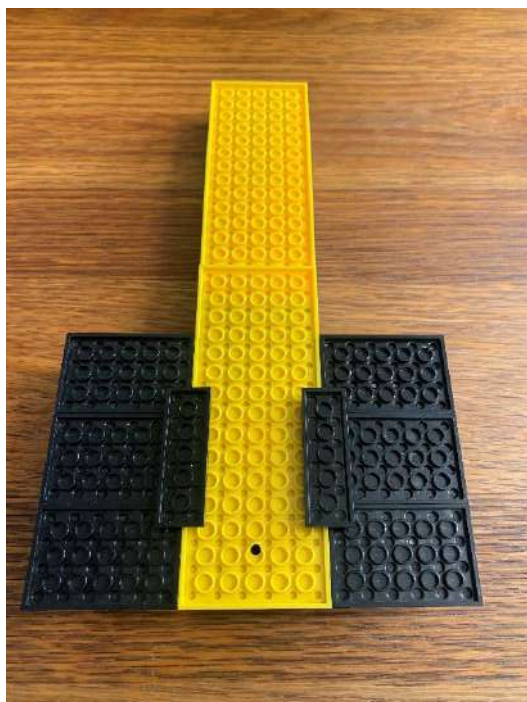


Step 2

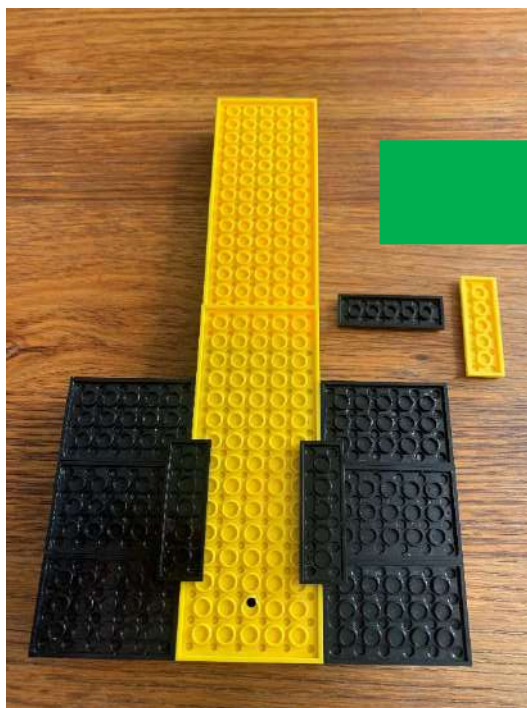
搭建提琴侧边箱体

1/8 size spine

Step 2I – 锁定背面



选择喜欢的颜色用于锁定。



Step 2

搭建提琴脊柱.

1/8 size spine

Note:

1/8 尺寸脊柱和侧箱已经完成，请跳至36页

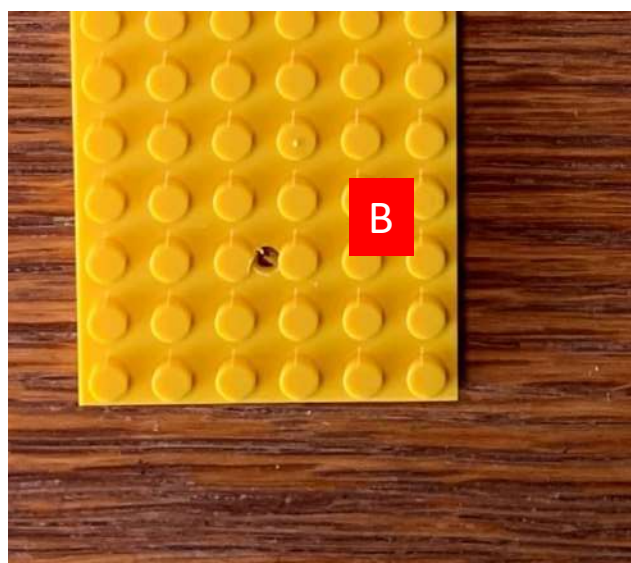
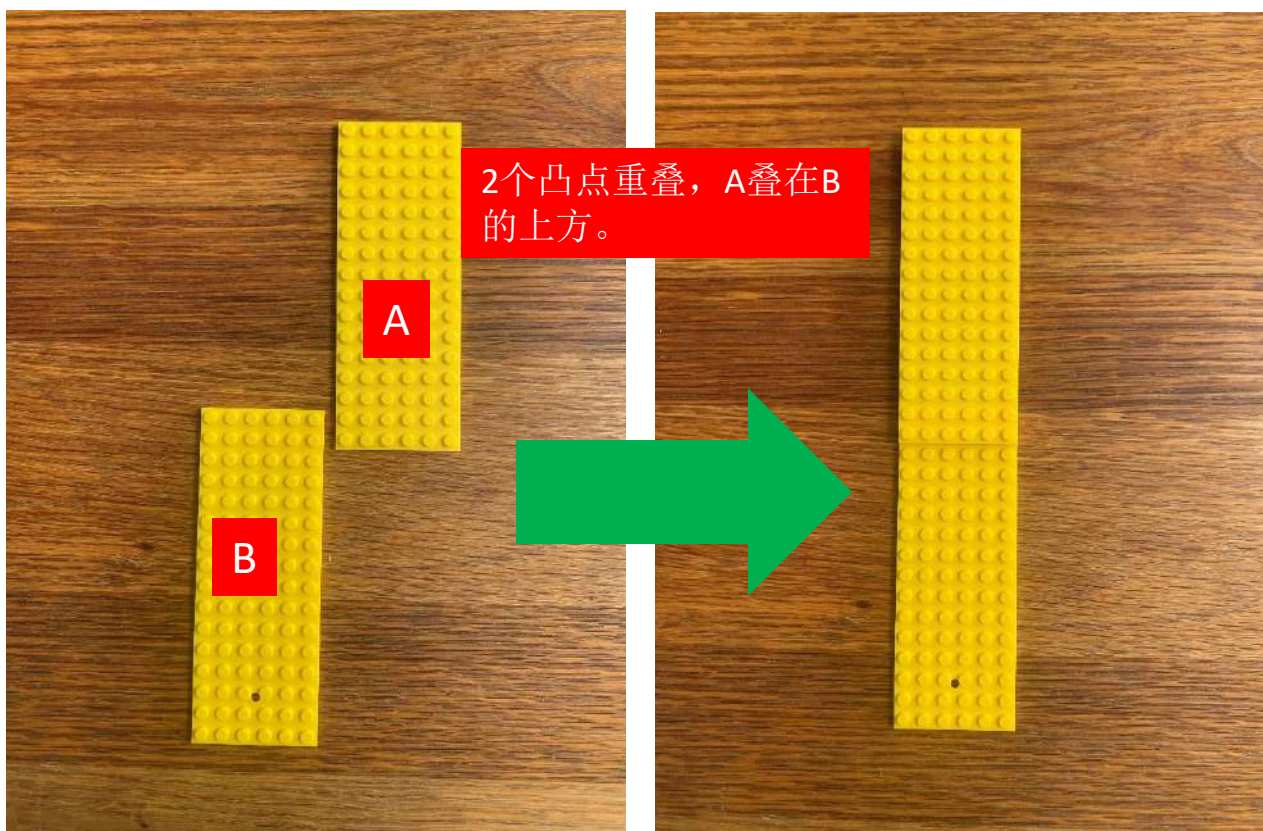


Step 2

搭建提琴脊柱

1/4 size spine

Step 2a – 拼接脊柱底板



Note:

确保底板 (B) 是下半部分有孔的那块板。

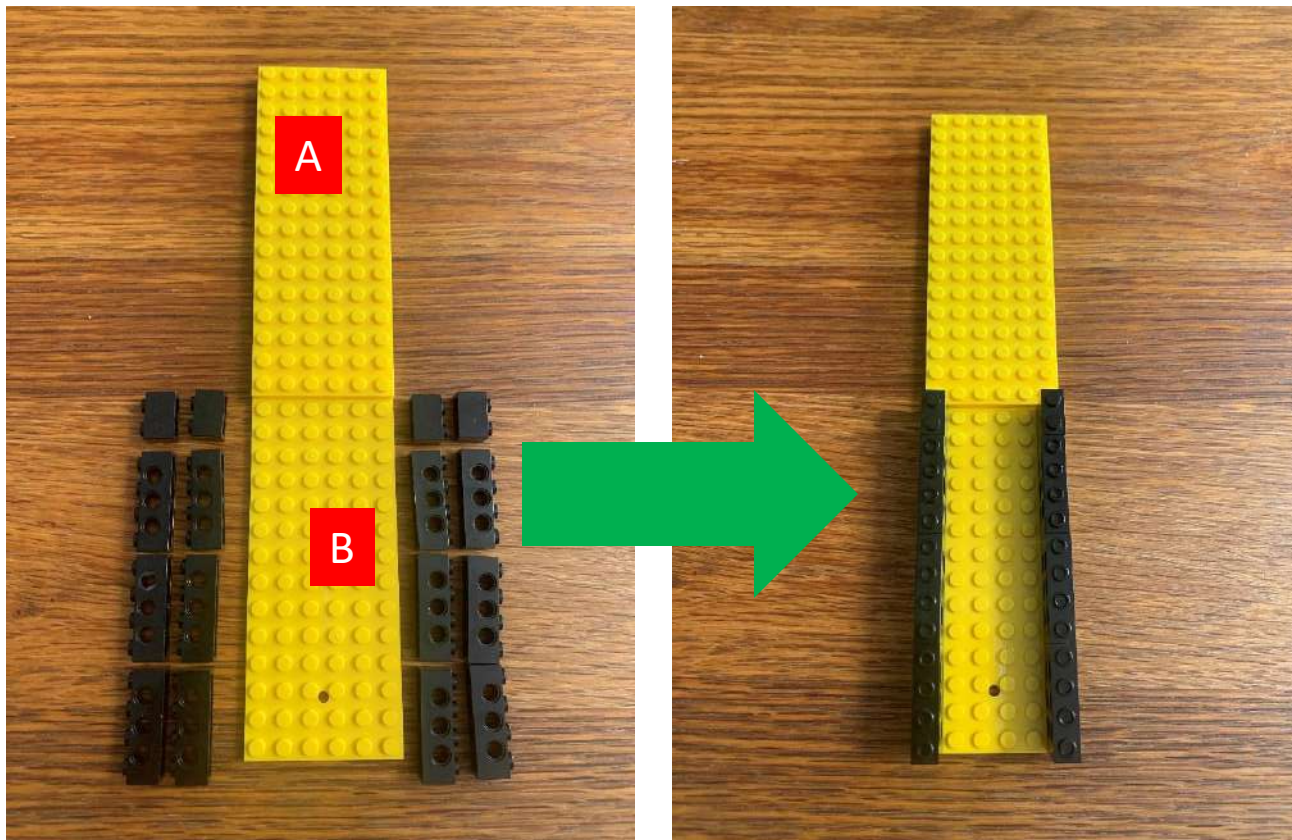


Step 2

搭建提琴脊柱

1/4 size spine

Step 2b – 连接 A 和 B

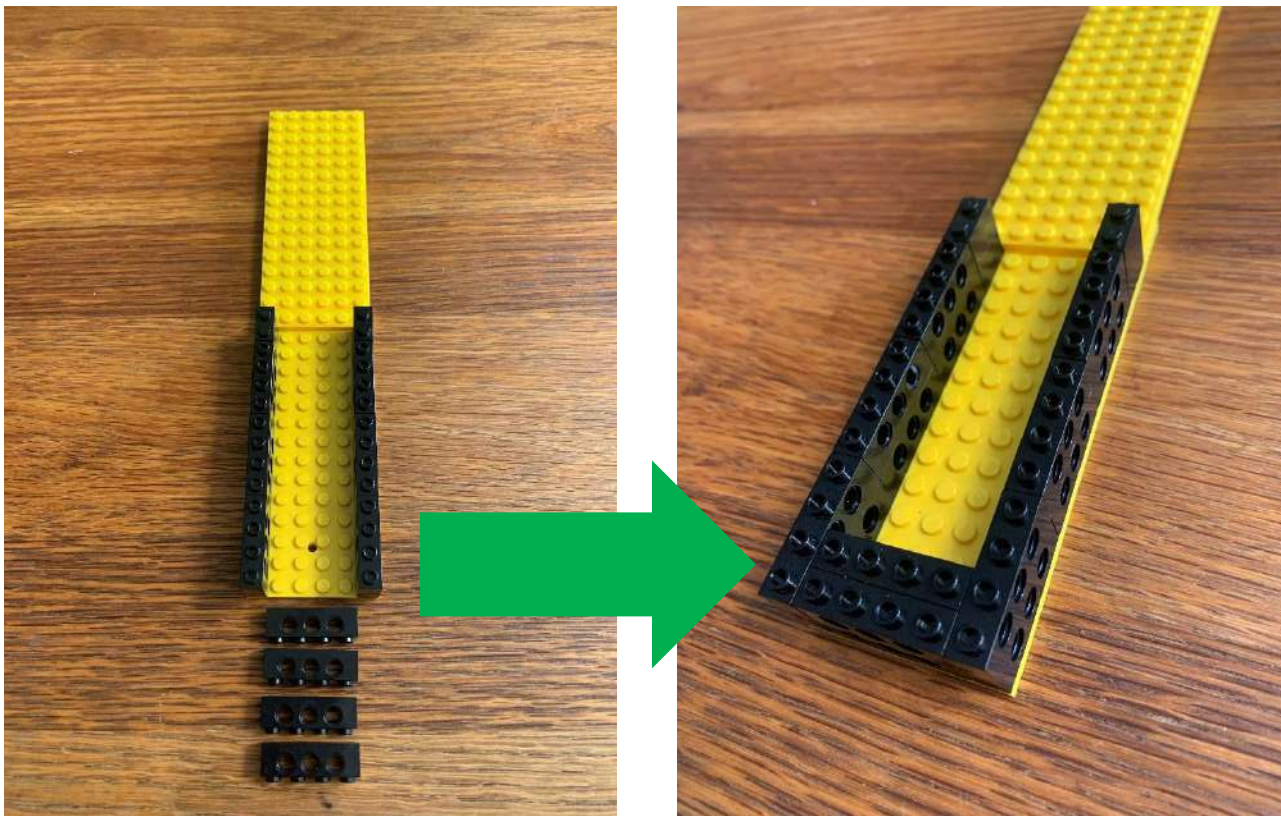


Step 2

搭建提琴脊柱

1/4 size spine

Step 2c

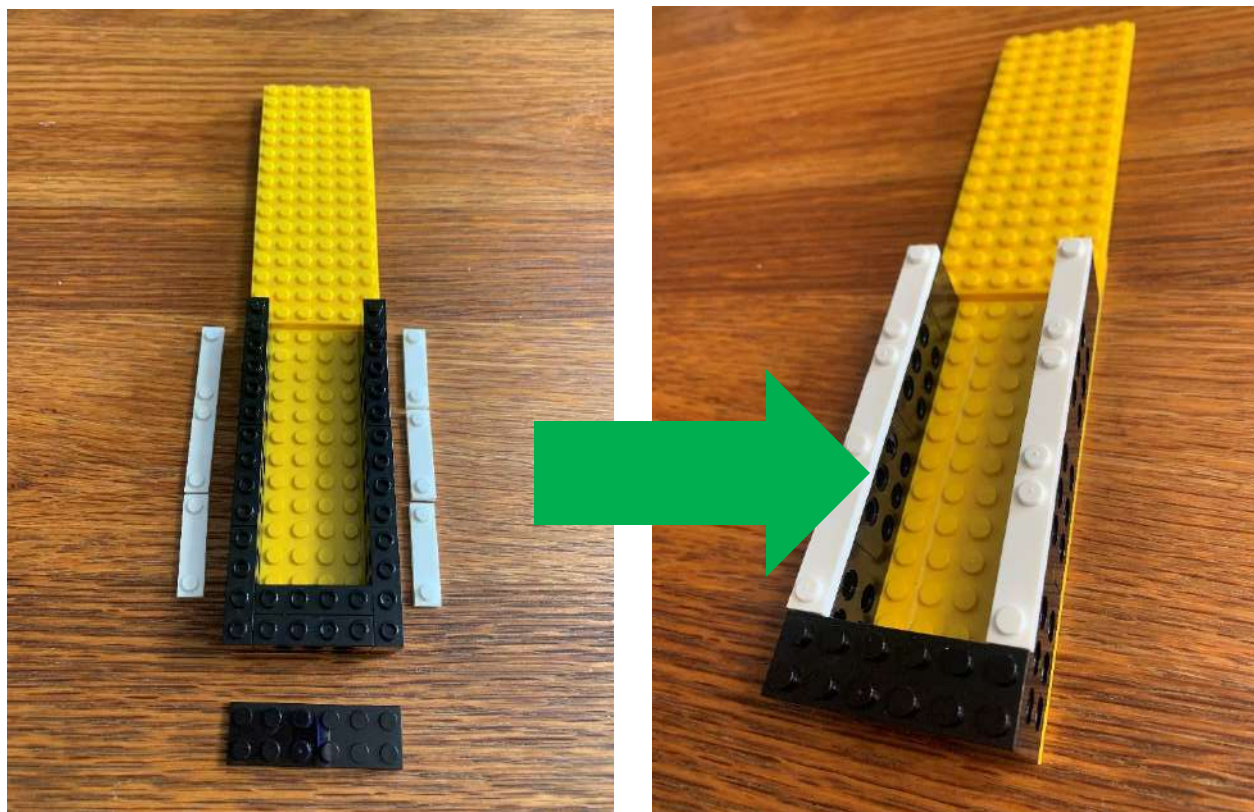


Step 2

搭建提琴脊柱

1/4 size spine

Step 2d

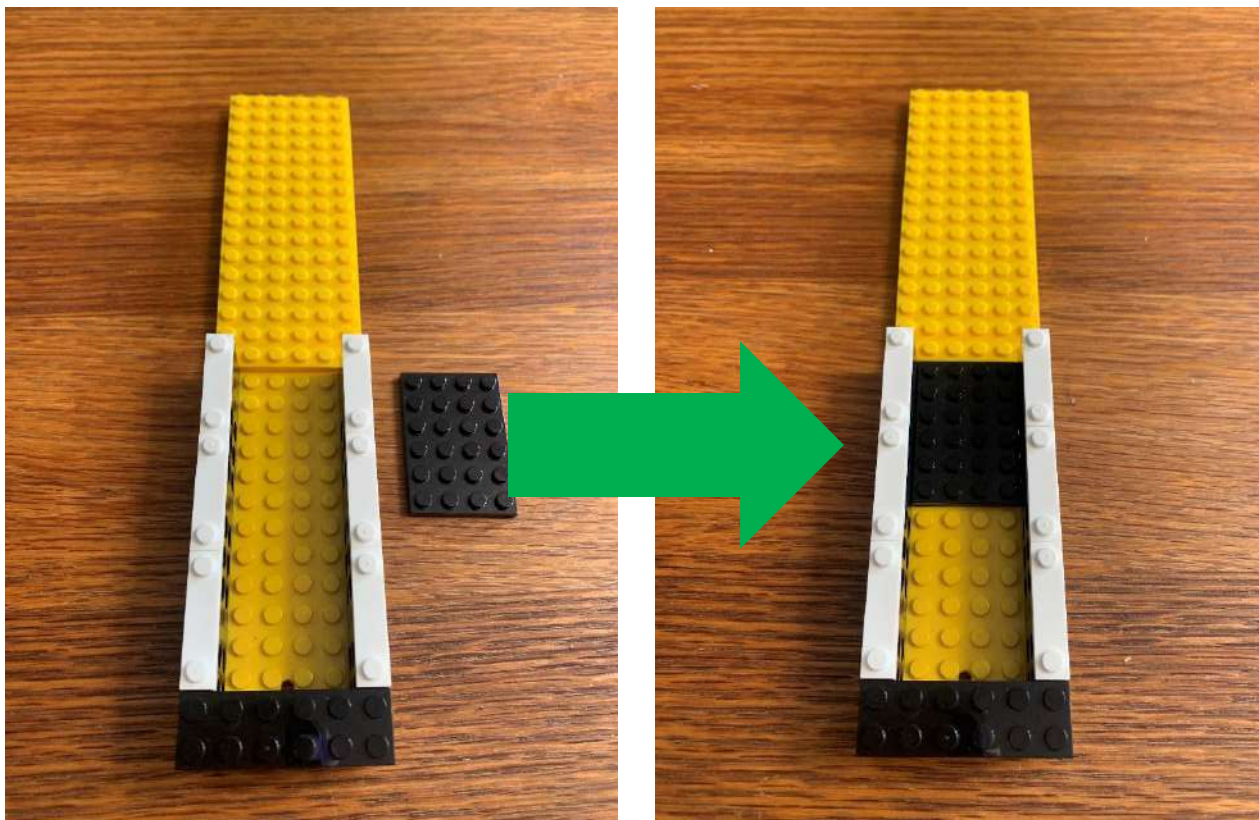


Step 2

搭建提琴脊柱

1/4 size spine

Step 2e

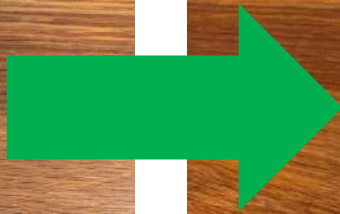
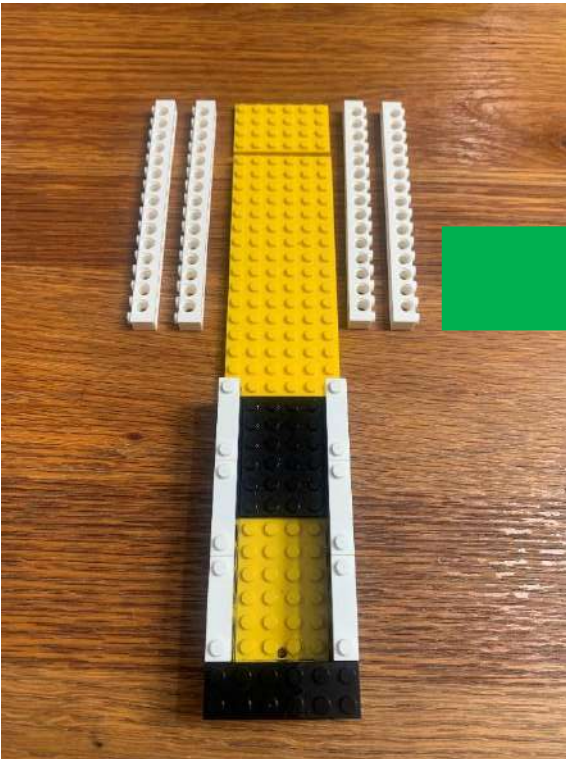
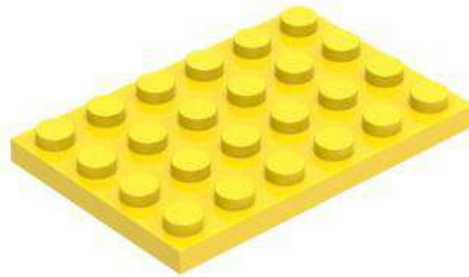
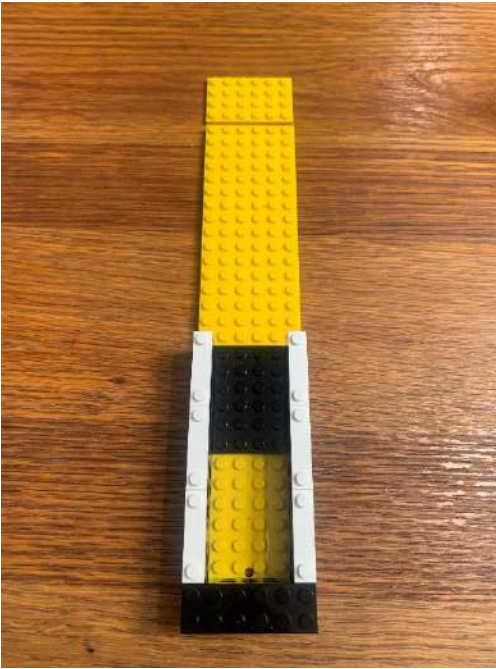


Step 2

搭建提琴脊柱.

1/4 size spine

Step 2f – 拼接脊柱底板 ¼ 延长板

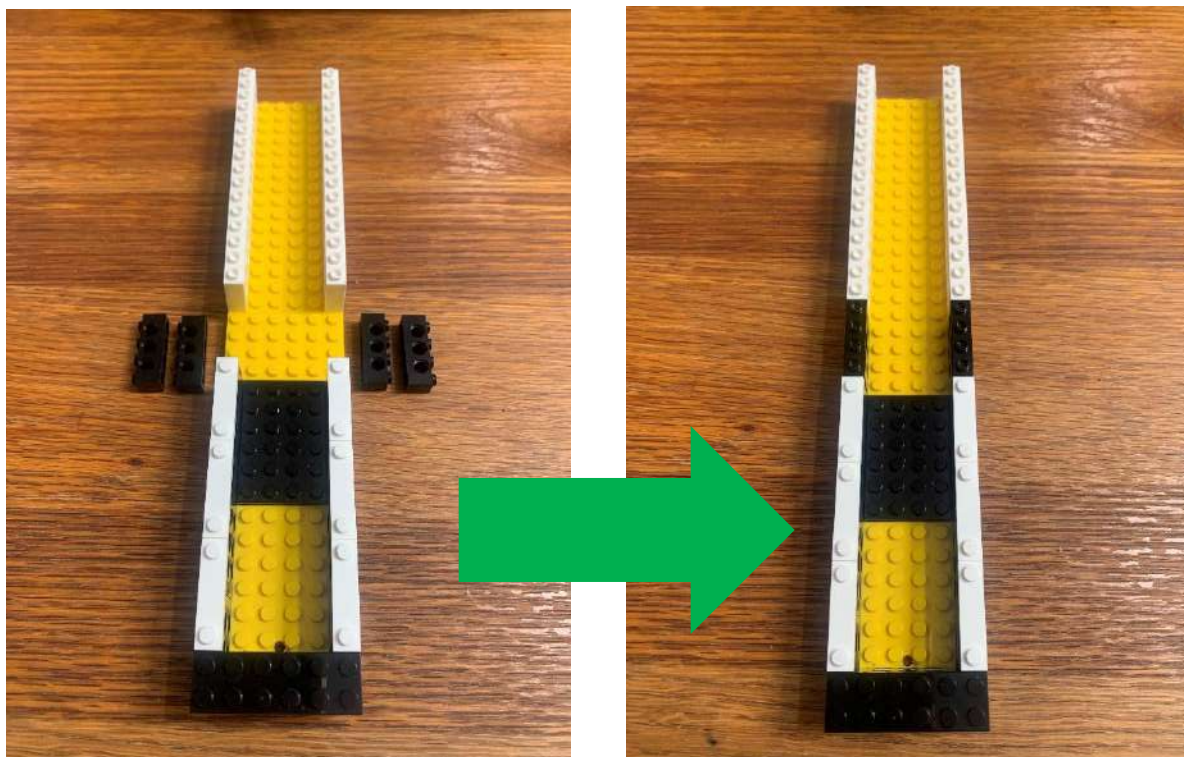


Step 2

搭建提琴脊柱.

1/4 size spine

Step 2g

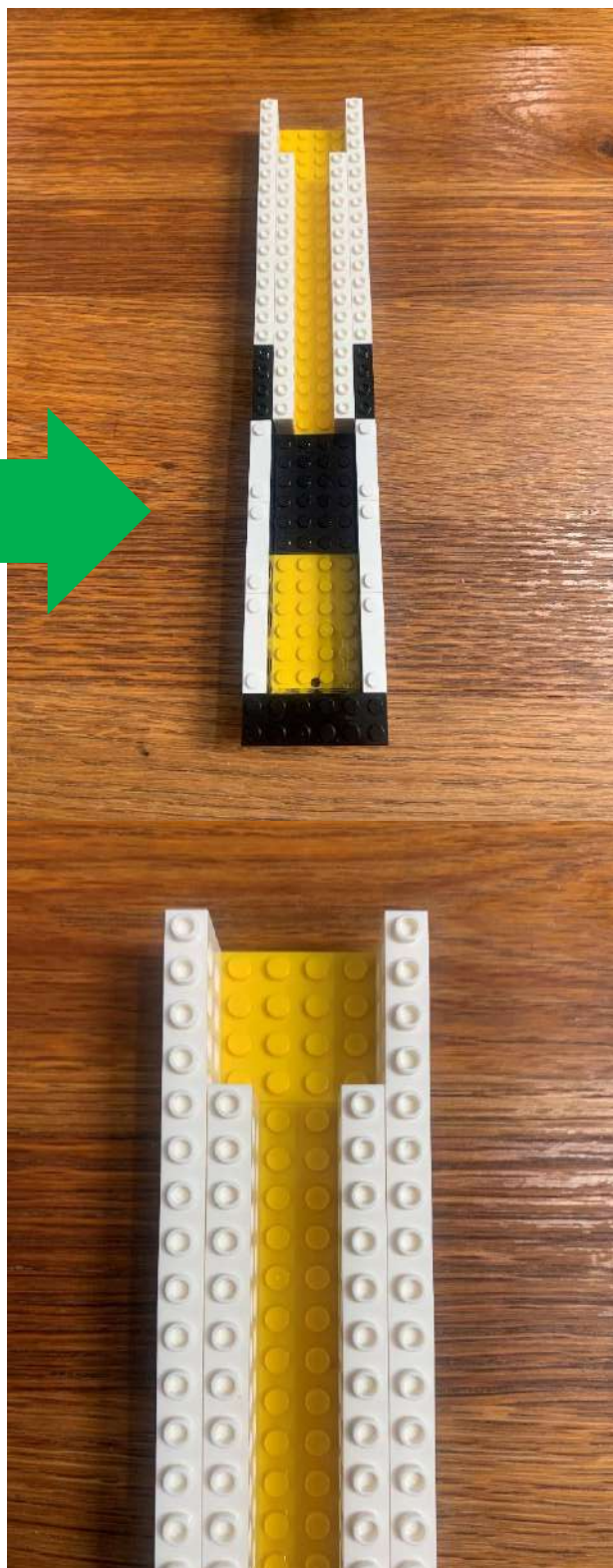
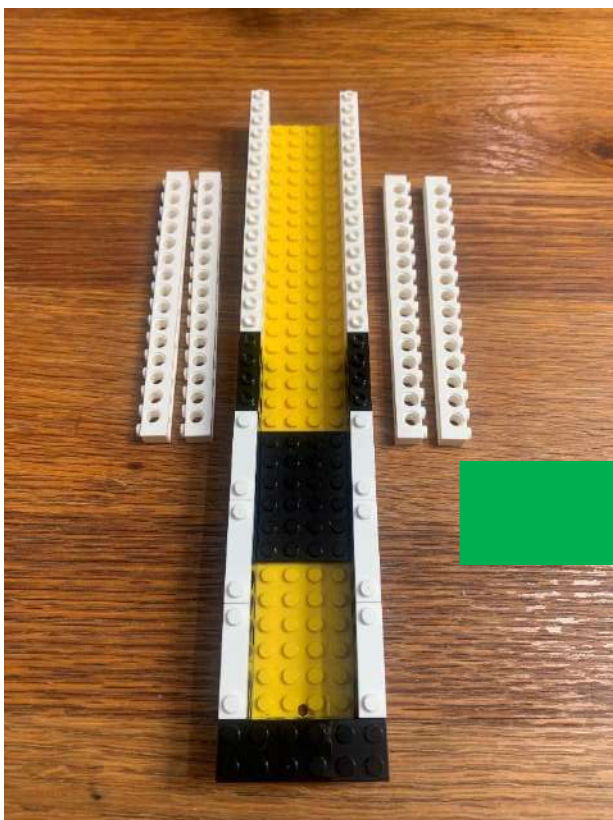


Step 2

搭建提琴脊柱.

1/4 size spine

Step 2h

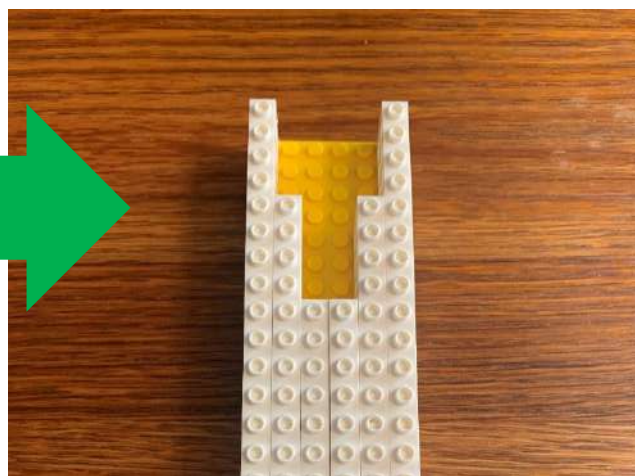
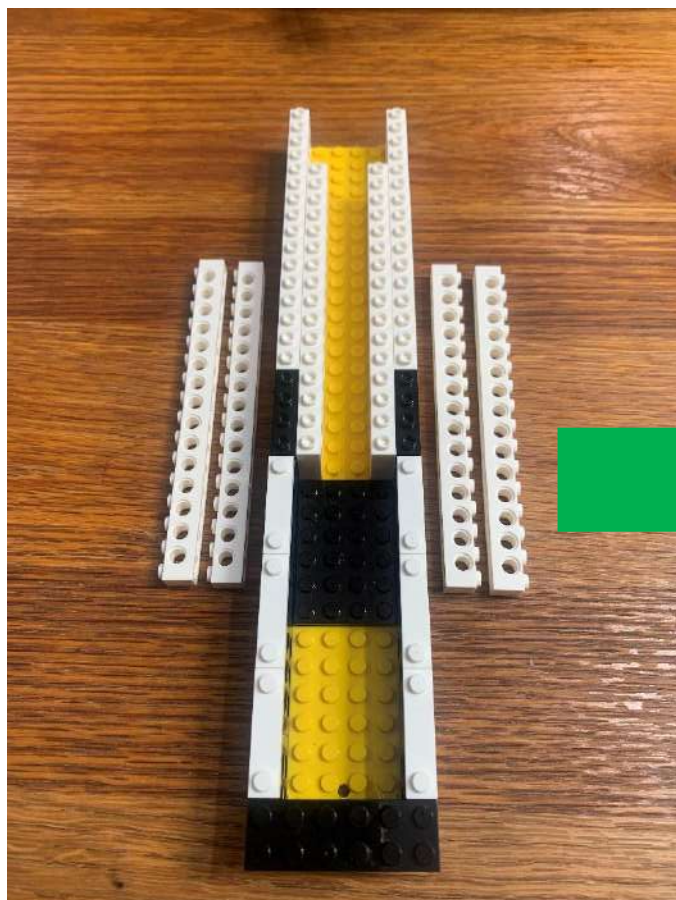


Step 2

搭建提琴脊柱.

1/4 size spine

Step 2i

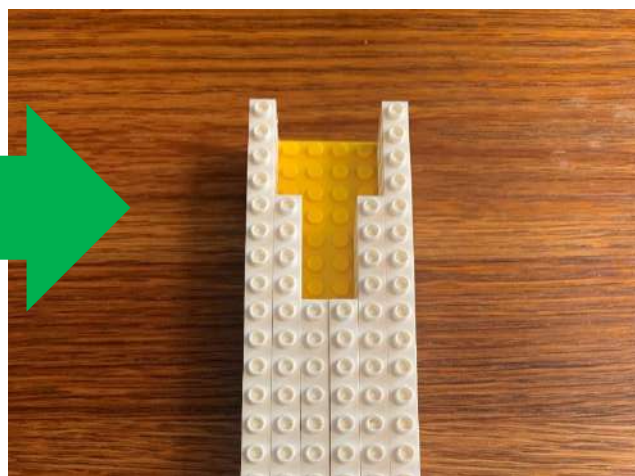
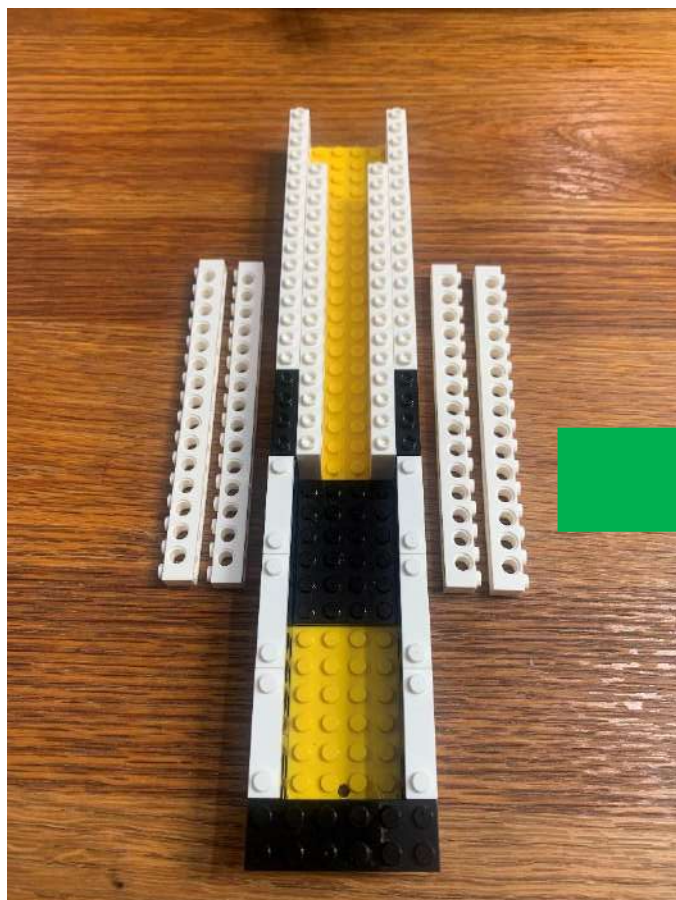


Step 2

搭建提琴脊柱.

1/4 size spine

Step 2j

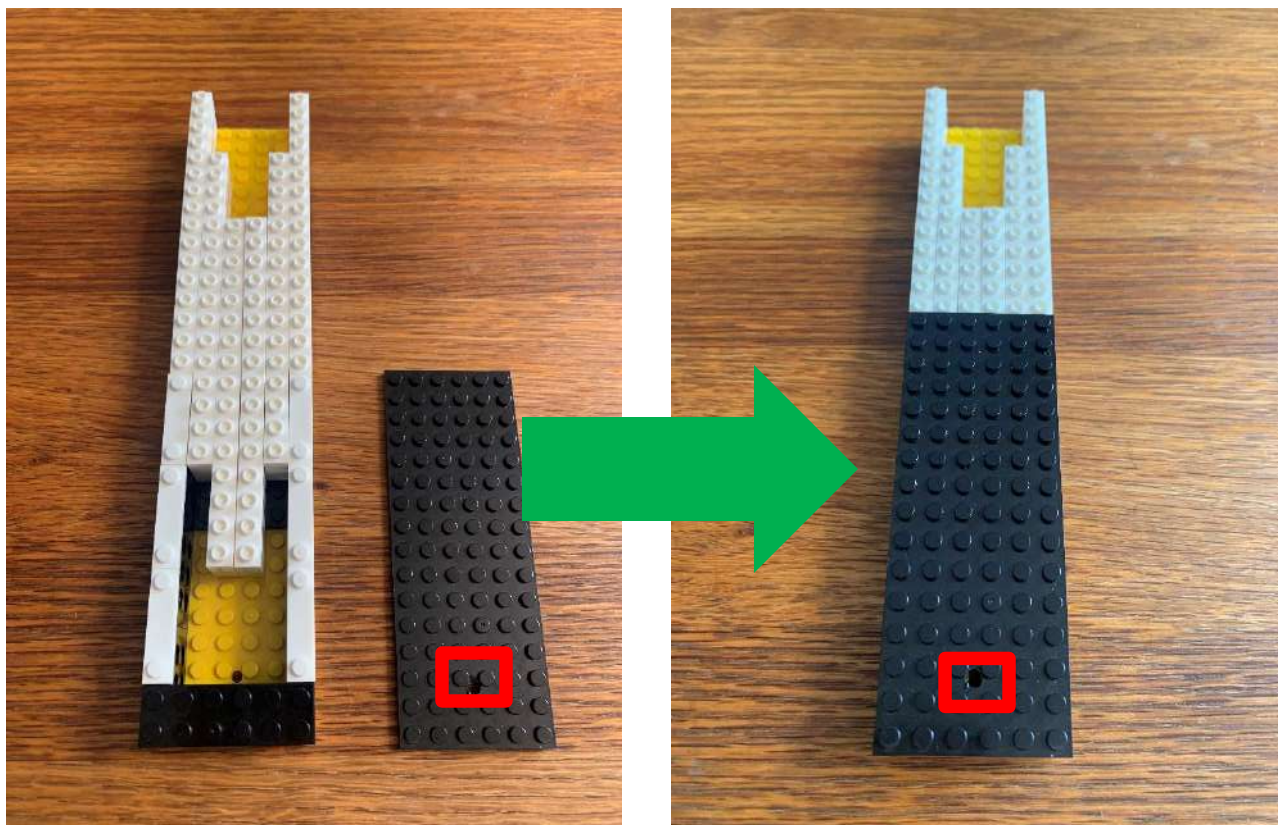


Step 2

搭建提琴脊柱

1/4 size spine

Step 2k



Note:

确保底板是下半部分有孔的那块板。

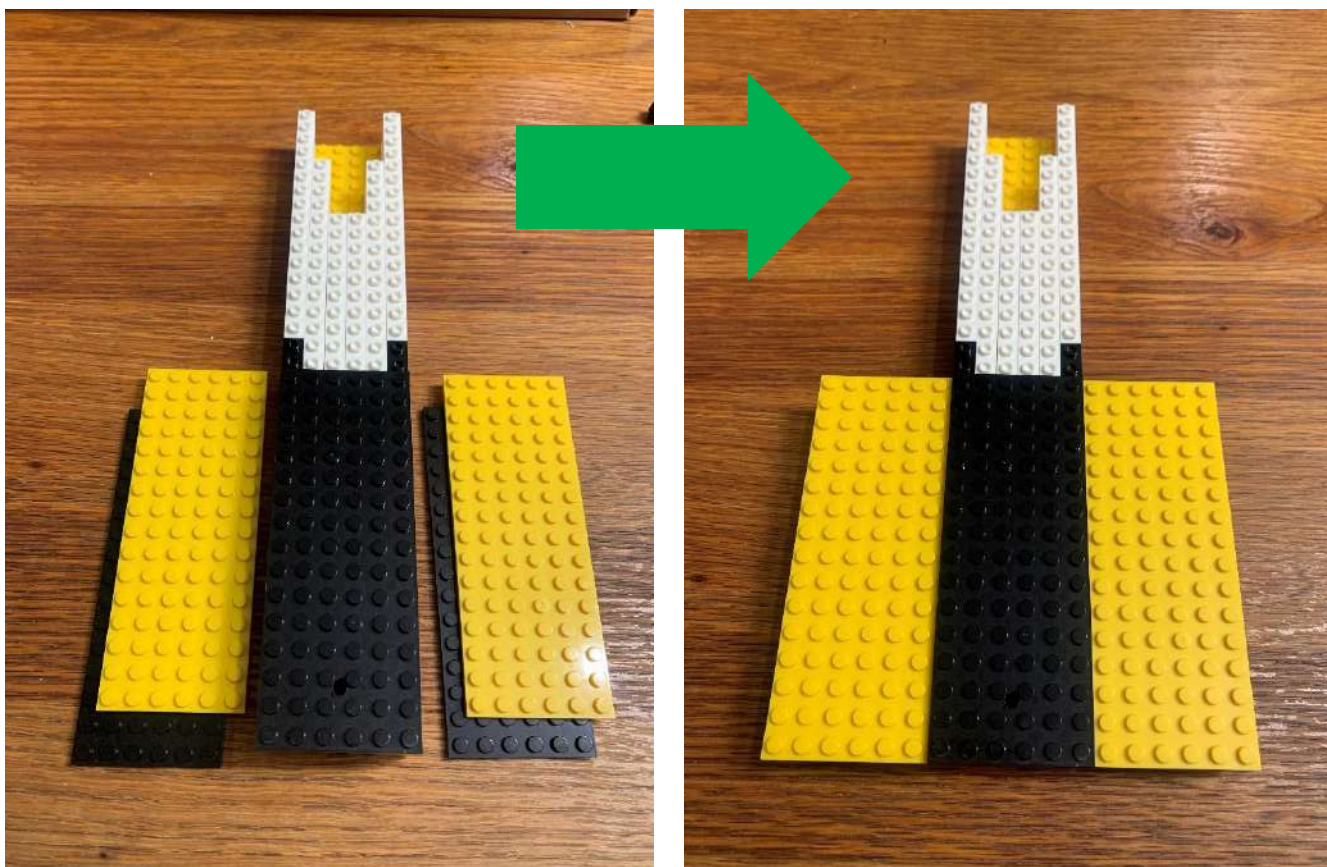


Step 2

搭建提琴侧边箱体

1/4 size spine

Step 2I



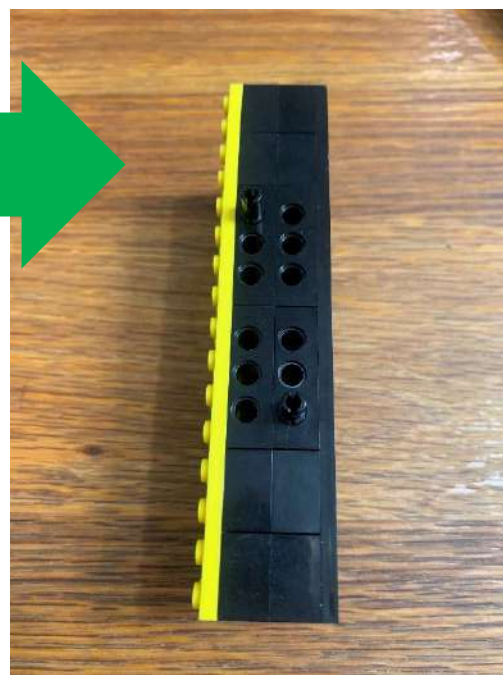
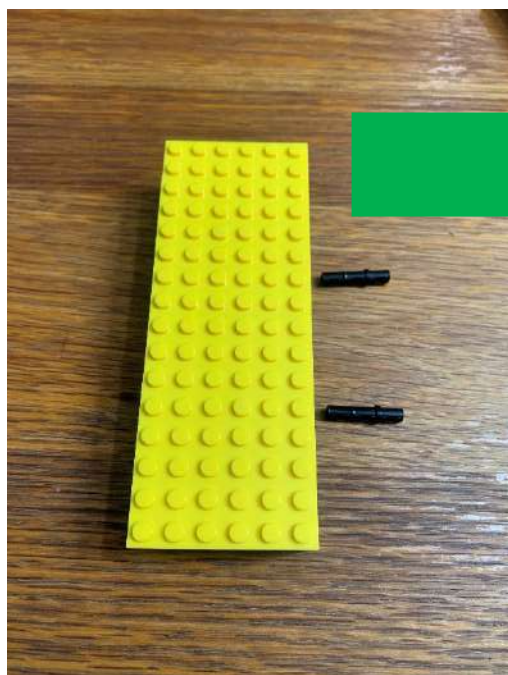
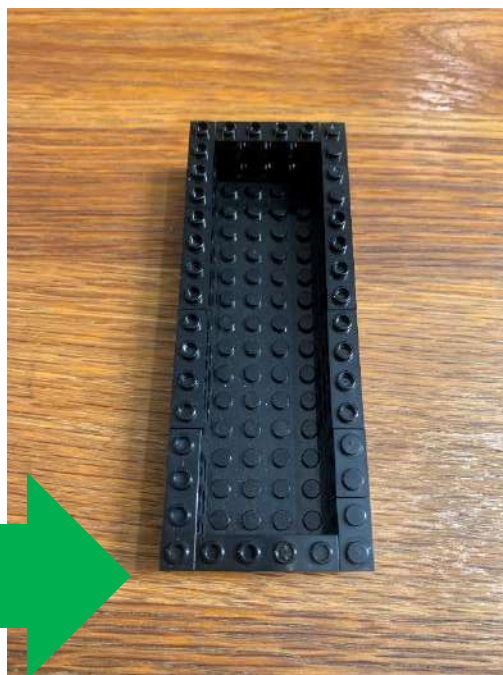
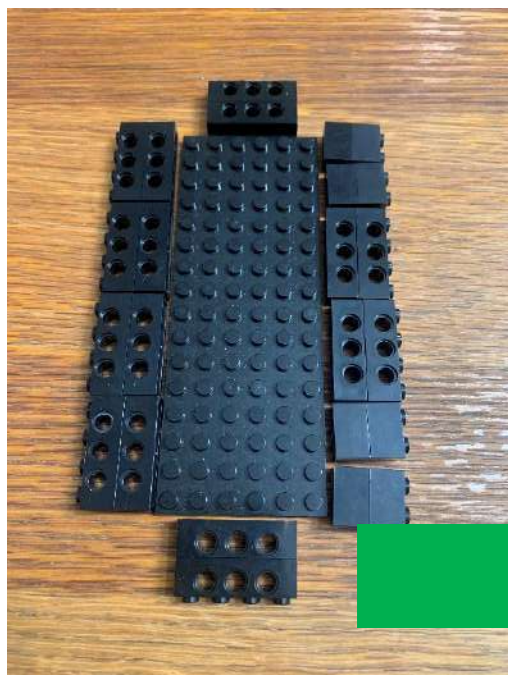
Step 2

搭建提琴侧边箱体

1/4 size spine

Step 2m

重复以下步骤搭建两个盒子



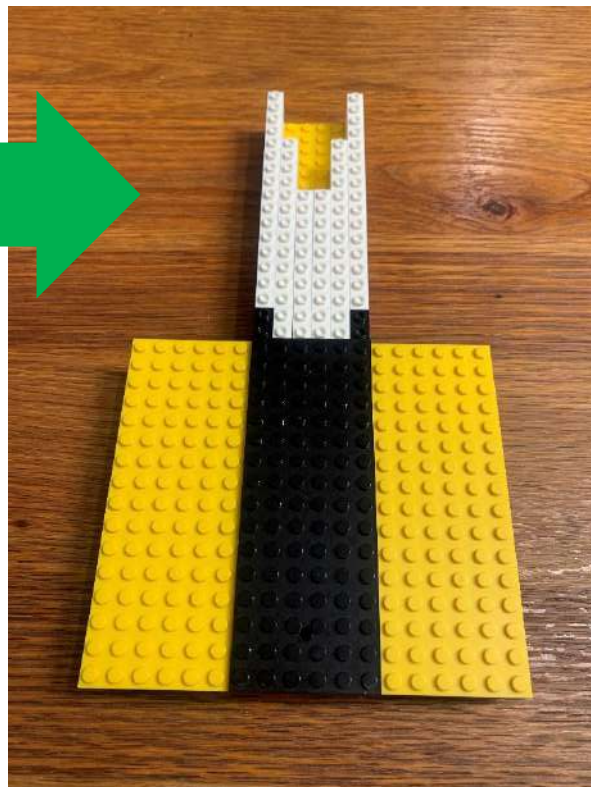
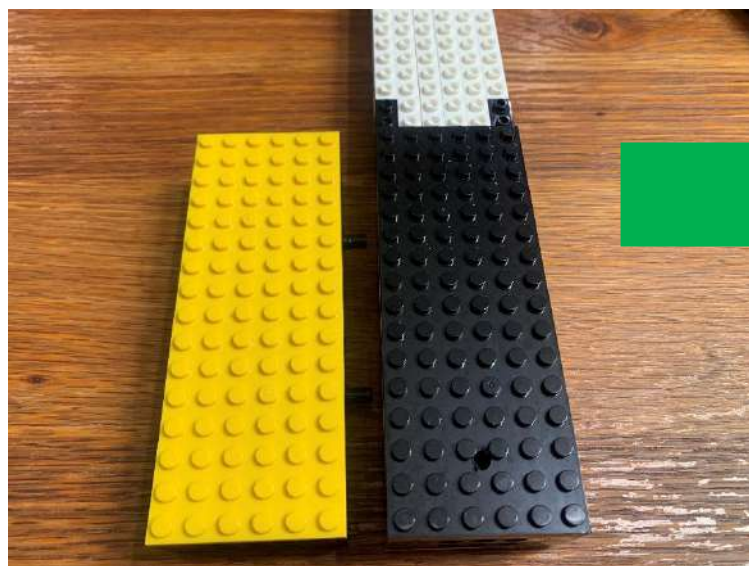
Step 2

搭建提琴侧边箱体

1/4 size spine

Step 2n

插入脊柱

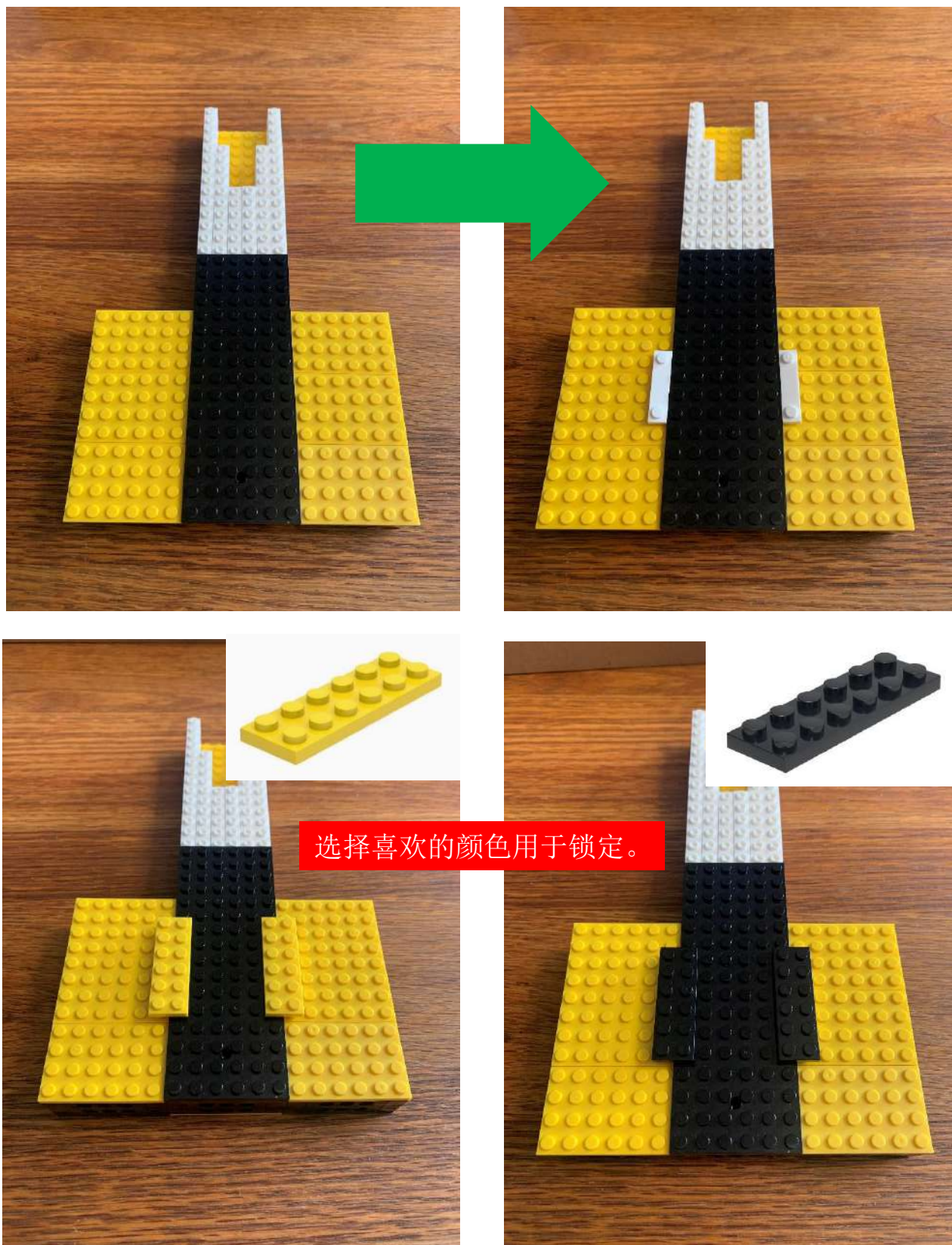


Step 2

搭建提琴侧边箱体

1/4 size spine

Step 2a – 锁定正面

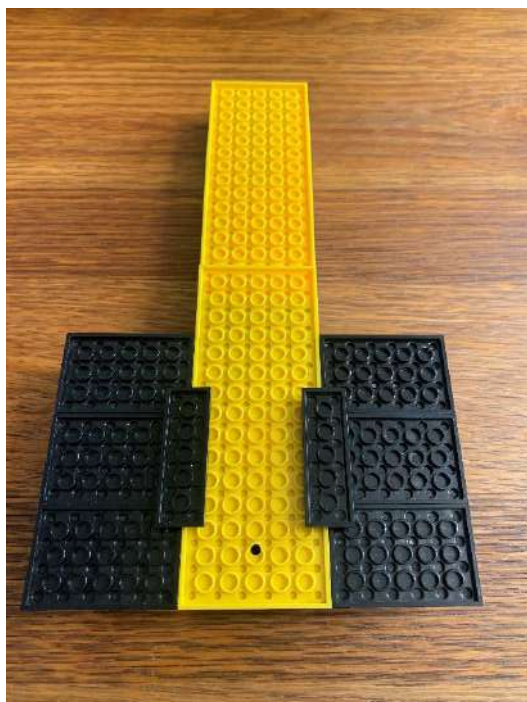


Step 2

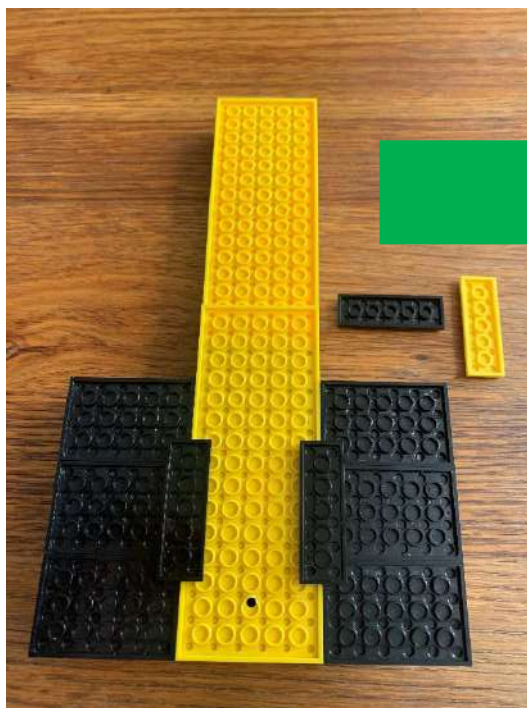
搭建提琴侧边箱体

1/4 size spine

Step 2p – 锁定背面



选择喜欢的颜色用于锁定。



Step 3

连接琴头和脊柱

Step 3a

安装前检查琴头螺丝是否上紧，可以使用附带螺丝刀上紧

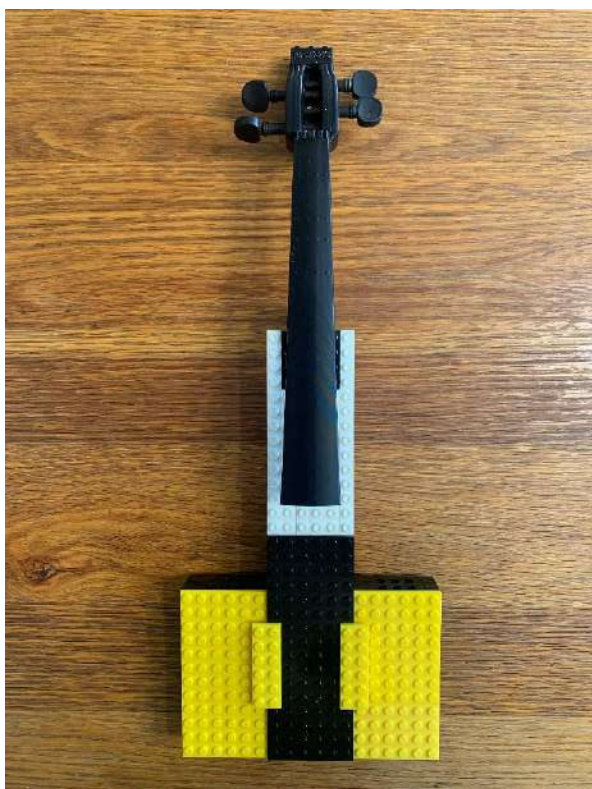
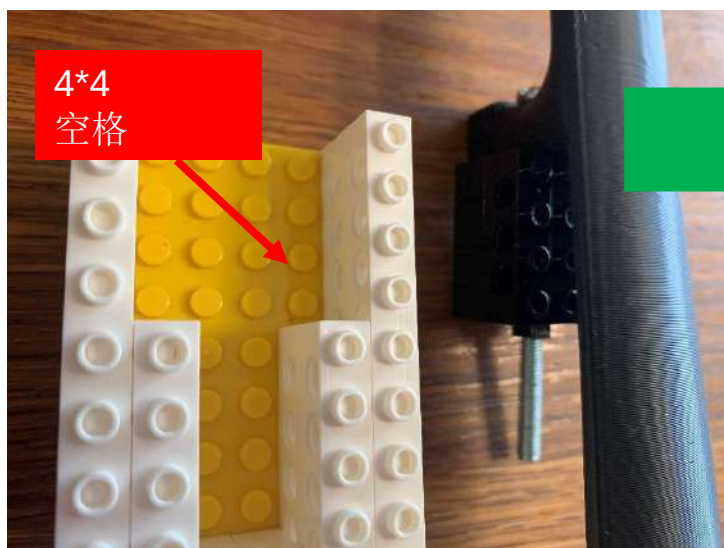


Step 3

连接琴头和脊柱

Step 3b

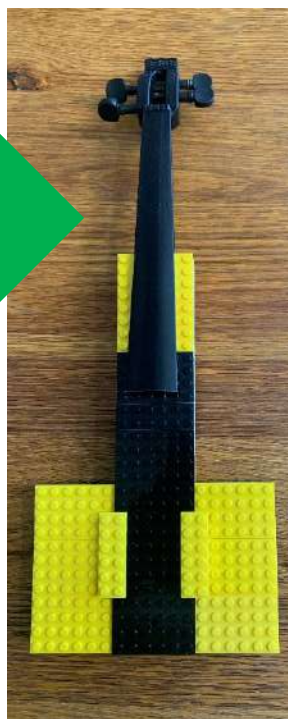
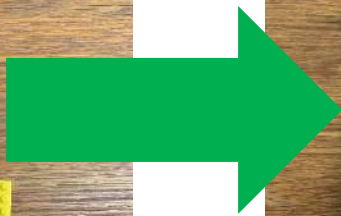
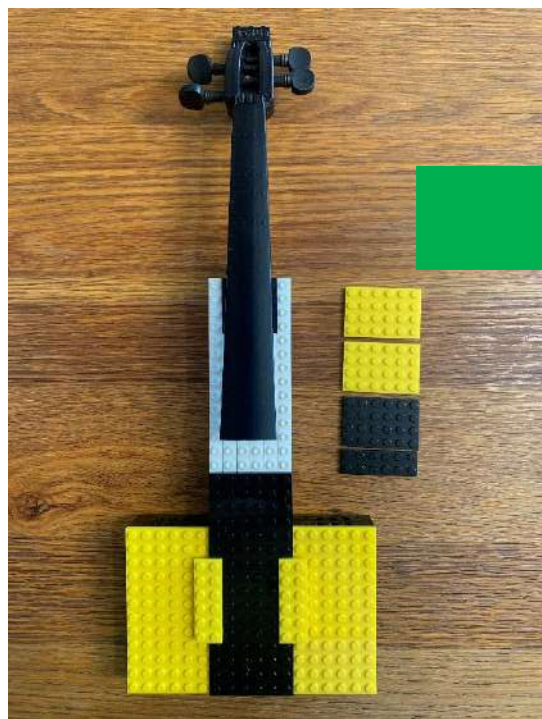
将琴头的方块放入脊柱的4*4空格内，摁紧



Step 3

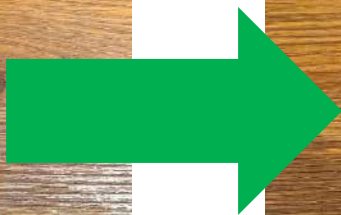
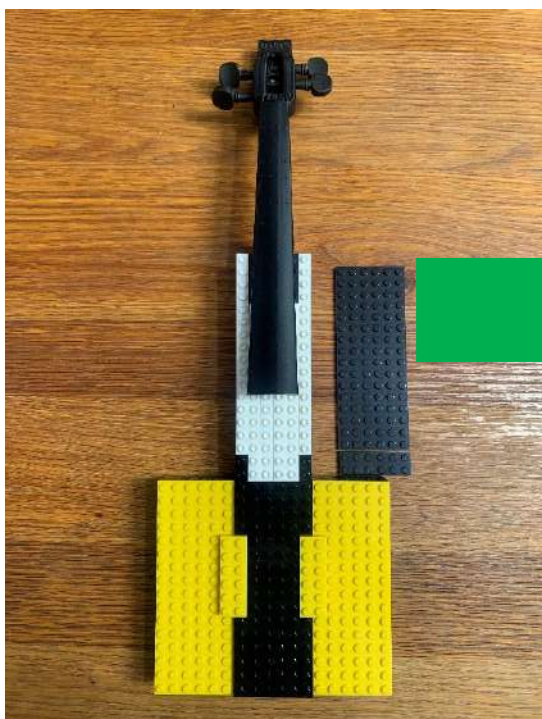
连接琴头和脊柱

Step 3c 安装顶部盖板



1/8 size spine

选择喜欢的颜色用于盖板



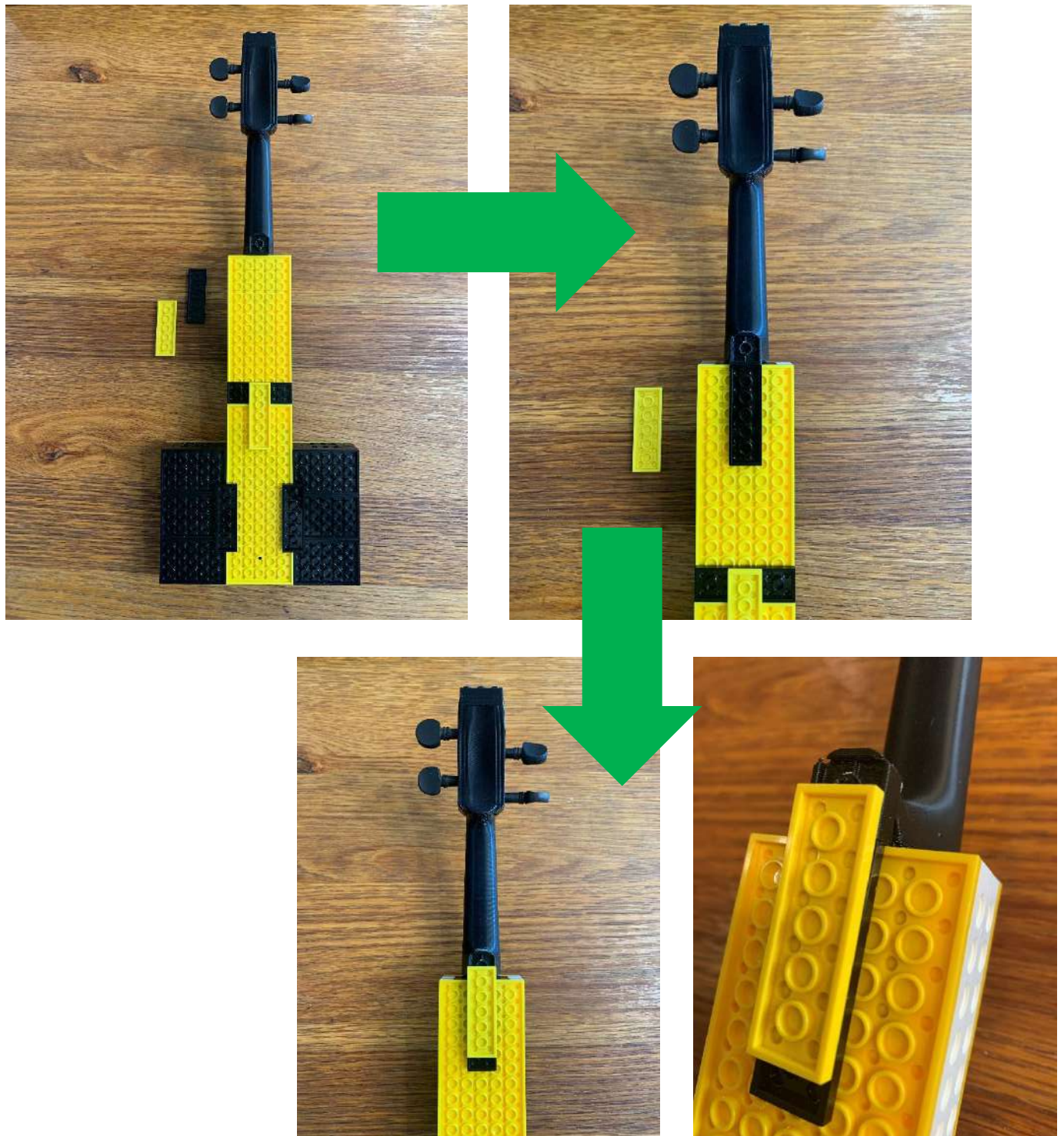
1/4 size spine

选择喜欢的颜色用于盖板

Step 3

锁定琴头和脊柱

Step 3d

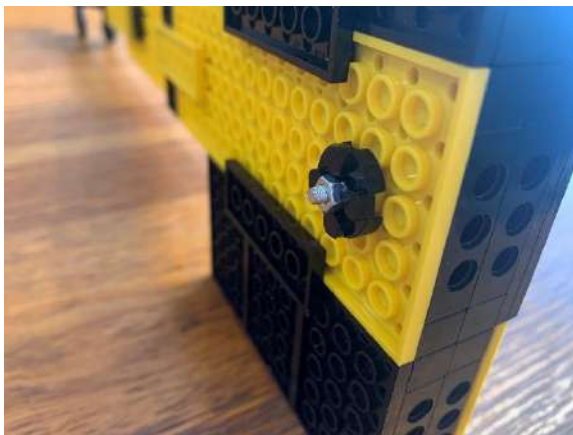
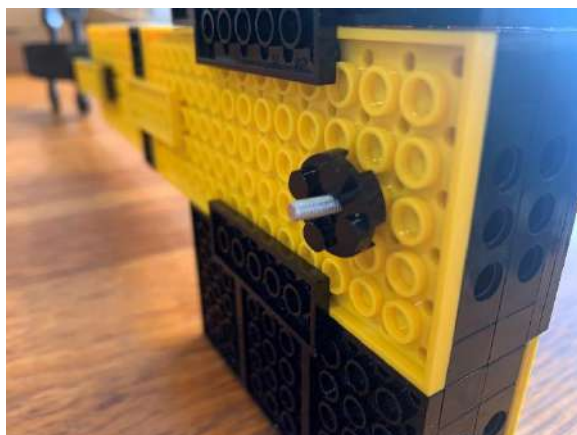
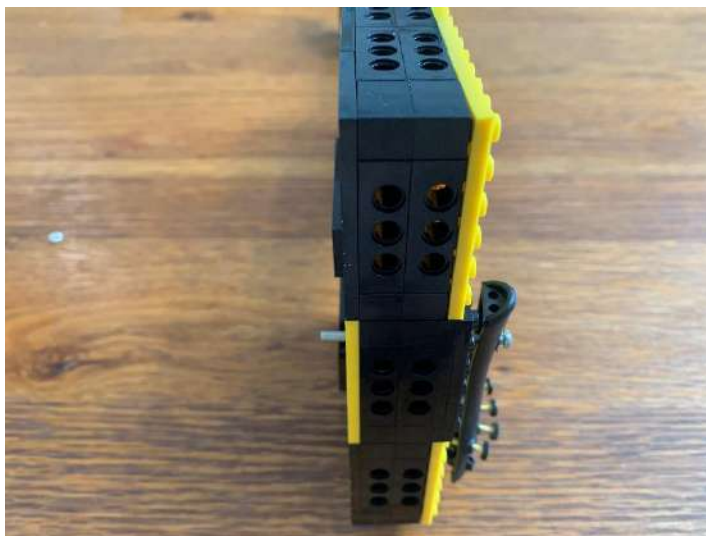
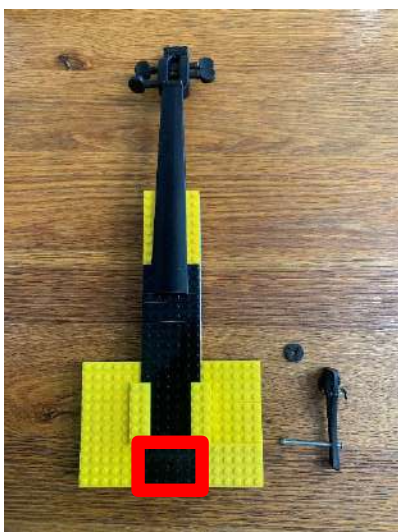


Step 4

安装拉弦板

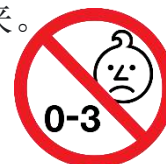
Step 4a

将螺丝穿过拉弦板下方的洞中。



Note:

螺丝不要上的太紧，请留一些可以活动的空间，拉弦板需要和脊柱呈一定角度，可以自如的拉起来。



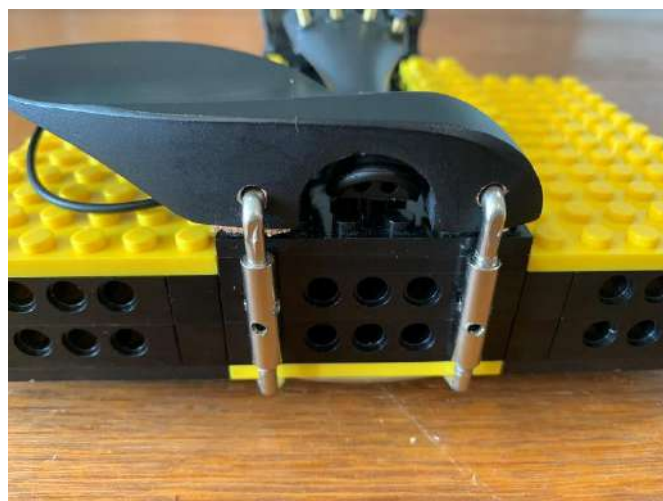
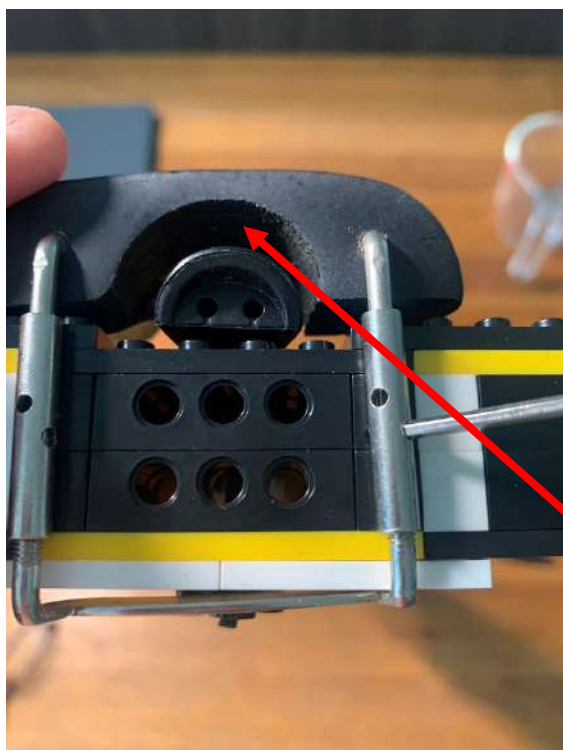
Step 5

安装腮托

Step 5a

将腮托放置于琴颈底部，确保居中对齐。

使用小螺丝刀，将一侧插入孔中并顺时针旋转。换到另一个孔，重复相同操作，直到非常紧固。



安装后，腮托应该与拉弦板的尾部有一定空间
这样拉弦板可以翘起一定角度



如果空间不够，或者希望腮托更高，可以使用以下板子垫高

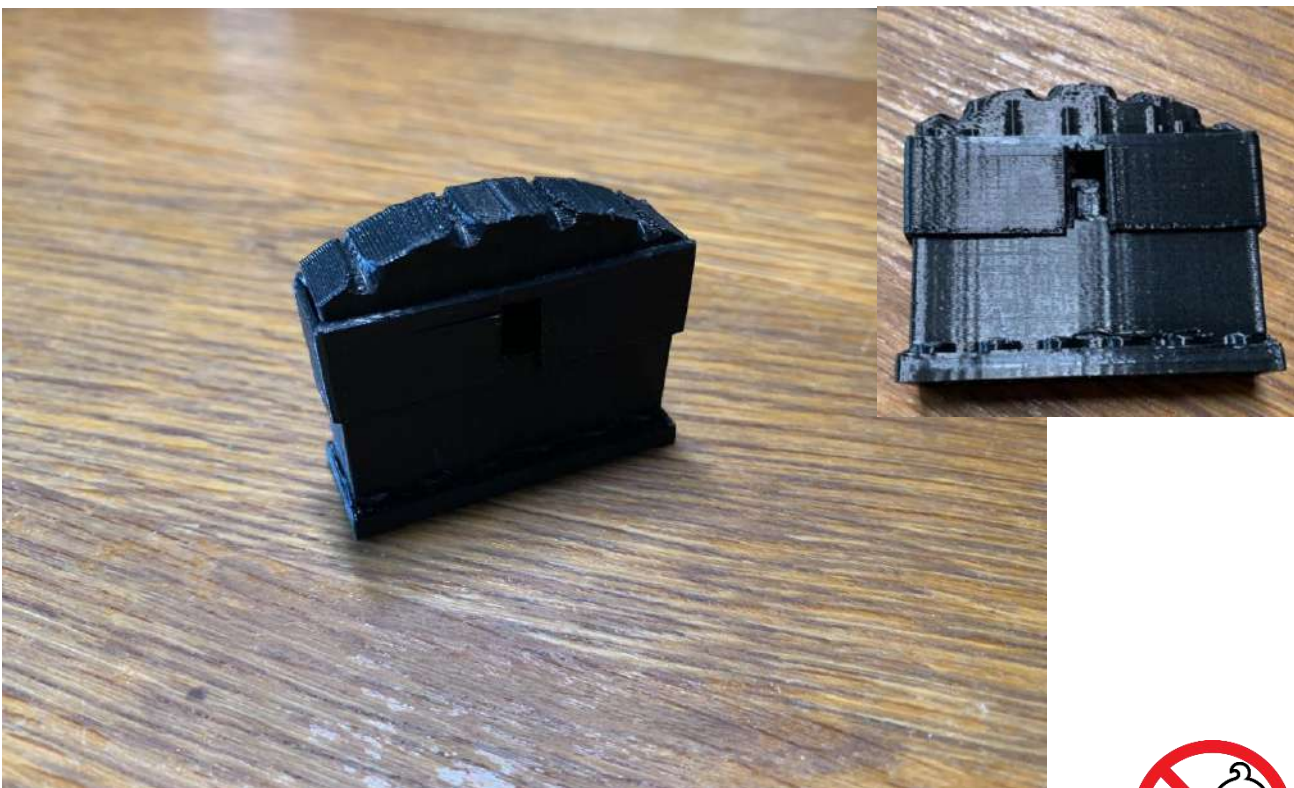
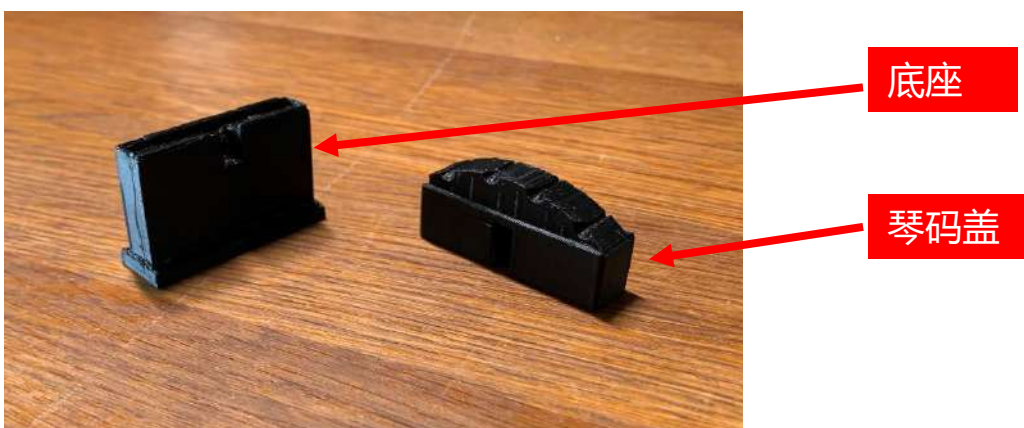
默认不需要垫高



Step 6 – 如果没有声音盒子

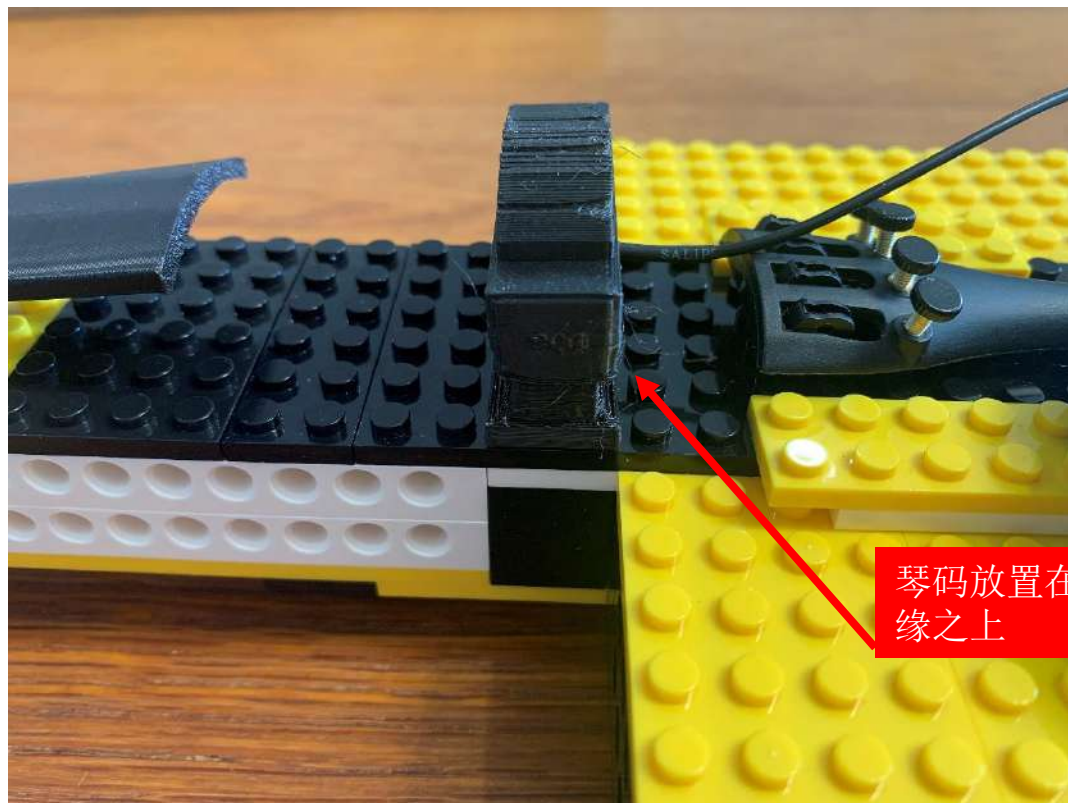
安装琴码

Note:

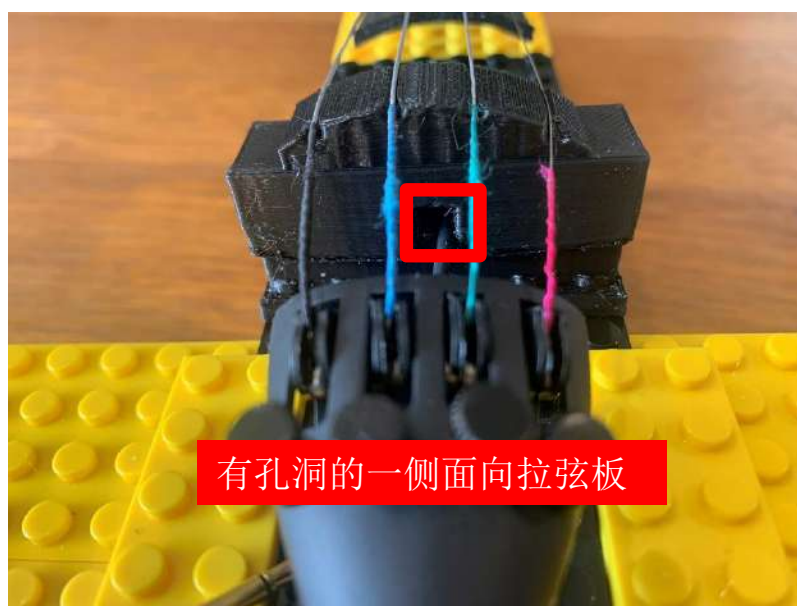
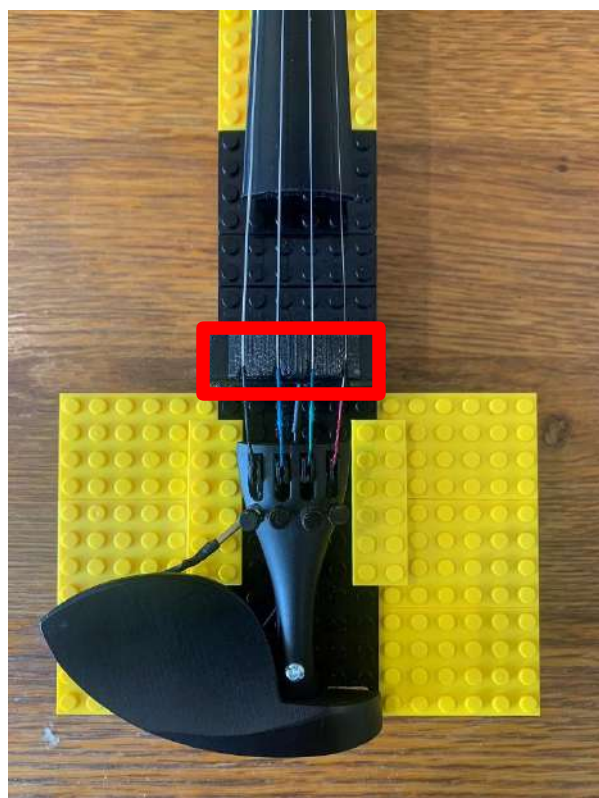


Step 6 – 如果没有声音盒子

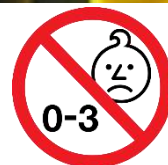
放置琴码



琴码放置在琴身侧箱边缘之上

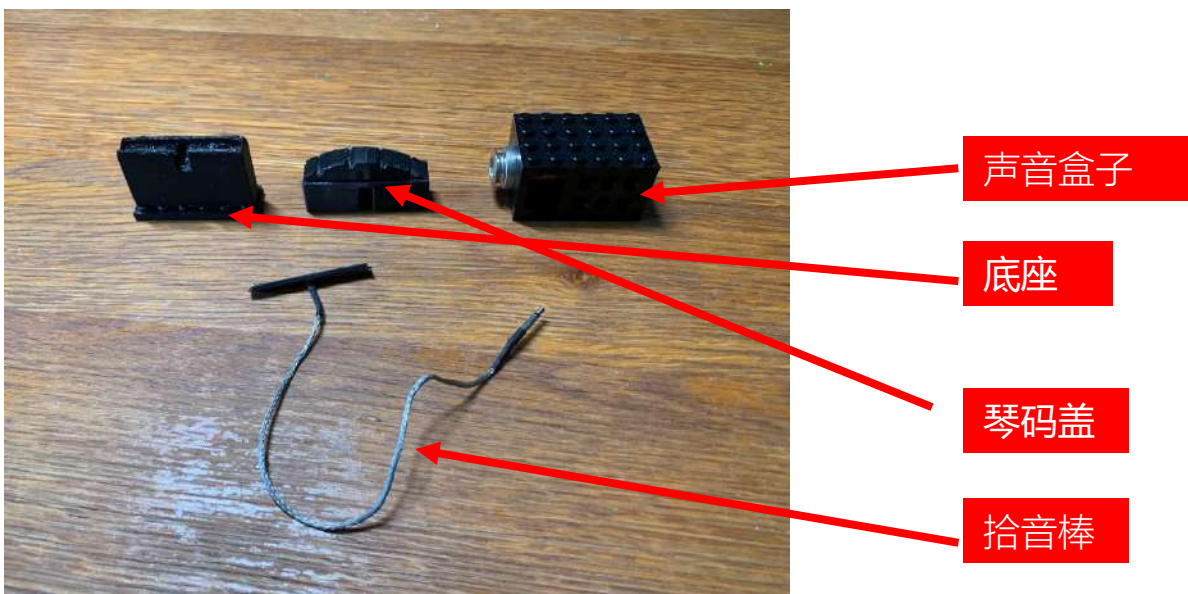


有孔洞的一侧面向拉弦板

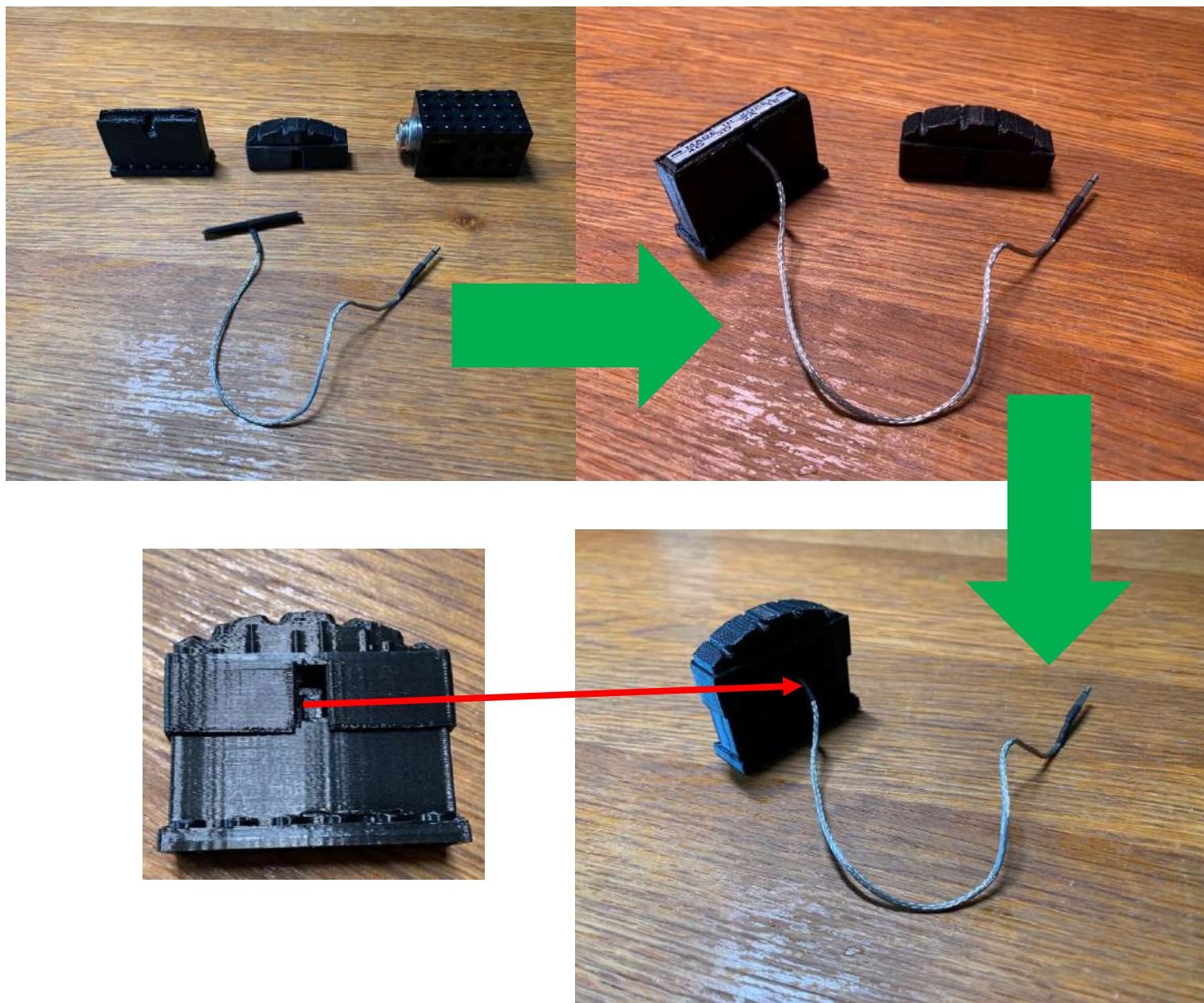


Step 6 – 如果有声音盒子

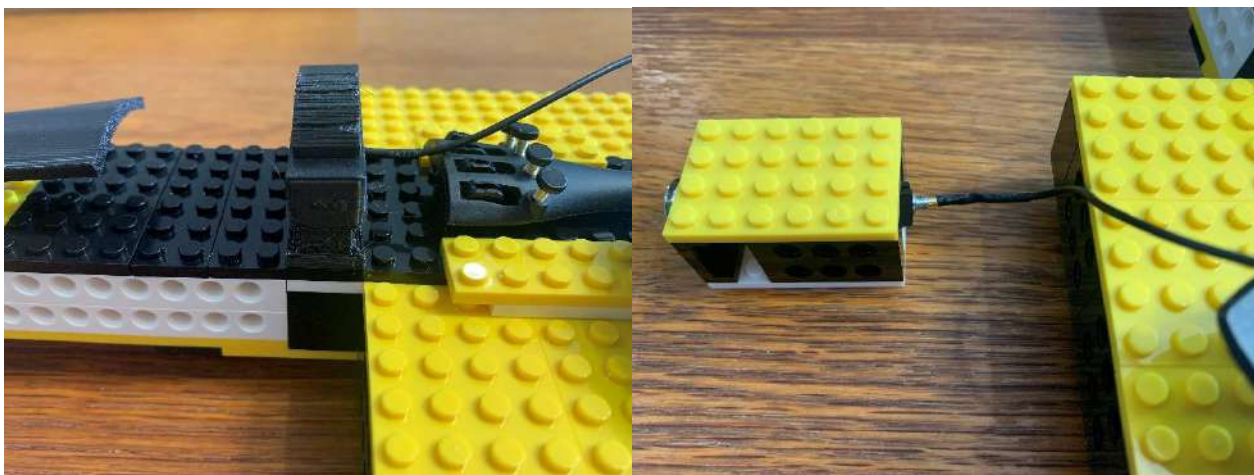
如果您的产品中包含声音盒子和拾音棒



Step 6 – 如果有声音盒子



Step 6 – 如果有声音盒子



将声音盒子固定在琴身表面某个位置，建议左上角

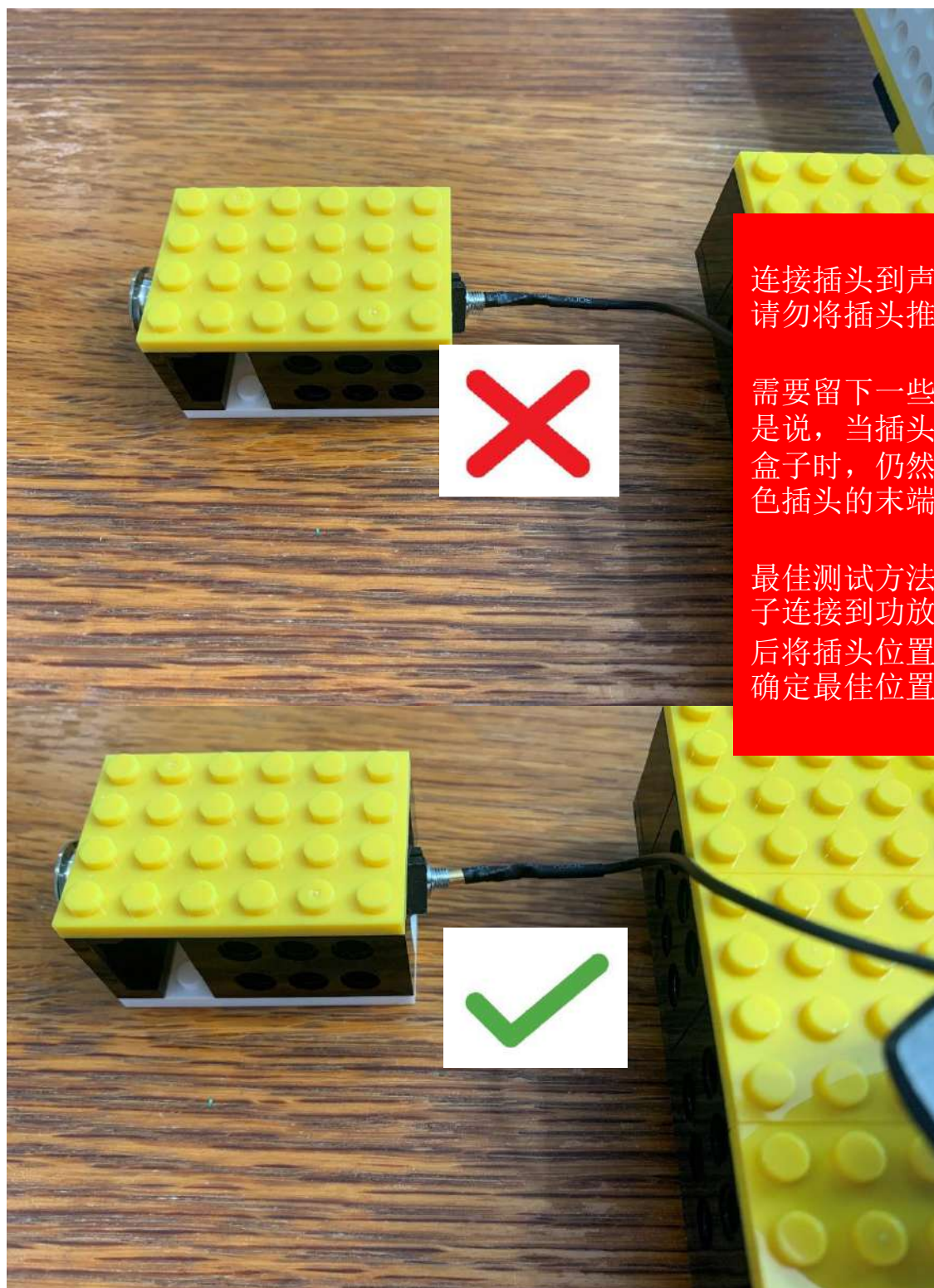
将插头插入声音盒子底部的孔



Step 6 - 如果有声音盒子

声音盒子常见问题

Note



连接插头到声音盒子时，
请勿将插头推到底。

需要留下一些间隙，也就
是说，当插头连接到声音
盒子时，仍然可以看到银
色插头的末端。

最佳测试方法是将声音盒
子连接到功放/扬声器，然
后将插头位置前后移动，
确定最佳位置。



Step 7

安装琴弦和调音

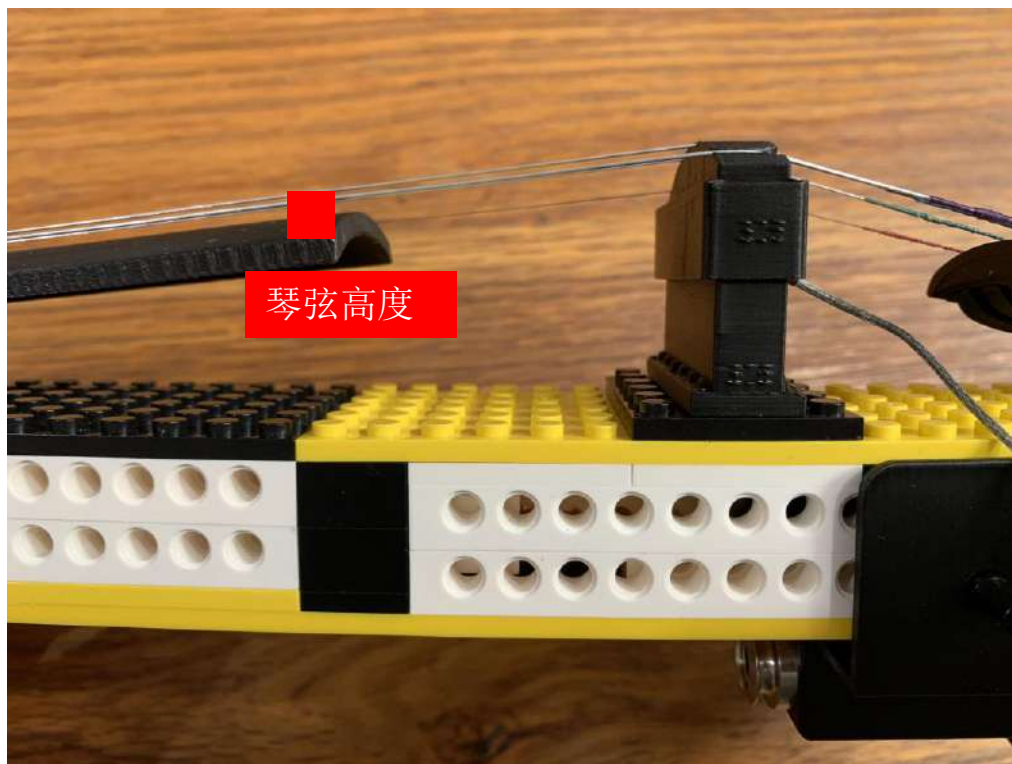
Note:

我们将通过以下视频引导如何安装琴弦和调音

<https://funkidviolin.com/how-to-string-violin-and-how-to-tune/>



调整弦高



当琴弦安装并调音正确后，您可能会发现琴弦与指板的高度过低或过高。

一般来说，3mm – 6mm是合适的范围，但这也可以根据个人喜好调整。

琴弦高度与琴码高度有关。

根据我们的经验，在琴码槽下放一层底板，在琴弦拉紧调准后会是比较合适的琴弦高度。

如果琴码槽下不放底板琴弦可能会过低甚至紧贴指板。

切记，琴弦贴在指板上是拉不出声音的，琴弦必须离开指板 3mm – 6mm

