

Simple Glider Orthographic Drawing

简易滑翔机正射图

Instructions 说明

Due to the complexity of your airplane you are required to **draw only the orthographic views (Top, Front, Side) of your glider** on this design template.

由于滑翔机的复杂性，你只需要在此设计模板上绘制出滑翔机的正视图、侧视图和俯视图即可。

Please note that your original design schematics were provided at a scale of 1:20; However, your **“orthographic drawing”** will be at a scale of 1:120 (if the design of your glider is equal to or below the standard dimensions) or a scale of 1:160 (if the design of your glider exceeds the standard dimension). This means that your drawing will be 6x or 8X smaller than your simple glider model. Your drawing will use almost most of the workspace on your design template so you must plan your drawing carefully.

请注意，原始设计示意图是以 1:20 的比例提供的；但是等角图将以 1:120 的比例（如果你的滑翔机的设计等于或低于标准尺寸）或 1:160 的比例（如果你的滑翔机的设计超过标准尺寸）。这意味着你的正交视图将比你的简单滑翔机模型小 6 或 8 倍。请先仔细规划正交视图以防空间不够。

Please make sure that you are referring back to your model glider frequently while you are completing your **“orthographic drawing”**. You should be taking measurements from your glider often while you are completing this drawing. However, you need to remember the reduced scale of your drawing. For example, if you are working at a scale of 1:160m then every 8cm on your glider model will be equal to only 1cm on the design template.

在绘制正交视图时务必参考你的滑翔机模型，同时，需要记住图形的缩小比例。例如，如果是 1:160 的比例，那么模型上的 8 厘米相当于图形上的 1 厘米。

Please only use pencil when drawing your diagram and draw all of the lines lightly at first. You can erase any lines that are not needed. Once you have finished your **“orthographic drawing”** you can trace over the lines to make them darker.

务必使用铅笔绘制图形，并在一开始时轻轻画出所有的线，以便后期易擦。一旦完成正交视图，即可描粗。

Bonus Activity 附加活动

Once you have completed the standard Orthographic drawing of your glider you may choose to draw enlarged detail views of the Front, Side, and Top of your glider at a scale of 1:80. Ask your teacher for the extra templates if you want to attempt the bonus activity.

完成滑翔机的正射图后，你可以选择以 1:80 的比例绘制滑翔机的正面、侧面和顶部的放大详图。如果你想做附加活动，请向老师索取额外的模板。

Introduction 说明

Please indicate all of the group members that have been working together to build your simple glider.

请写出制作简易滑翔机的所有小组成员。

Member A | 成员 A

Member B | 成员 B

Member C | 成员 C

Please indicate which group member has completed this **“orthographic drawing”** of your group’s simple glider.

请写出哪个成员完成本小组简单滑翔机的“正交视图”。

Orthographic Drawing completed by | 等距视图完成人： _____

Was the drawing completed by the group member that originally took responsibility for the drawing of the **“orthographic drawing”** in your **“learning contract”**?

图纸是否由最初负责绘制学习合同中“正交视图”的小组成员完成？

YES - The **“orthographic drawing”** was completed by the group member indicated in the **“learning contract”**.

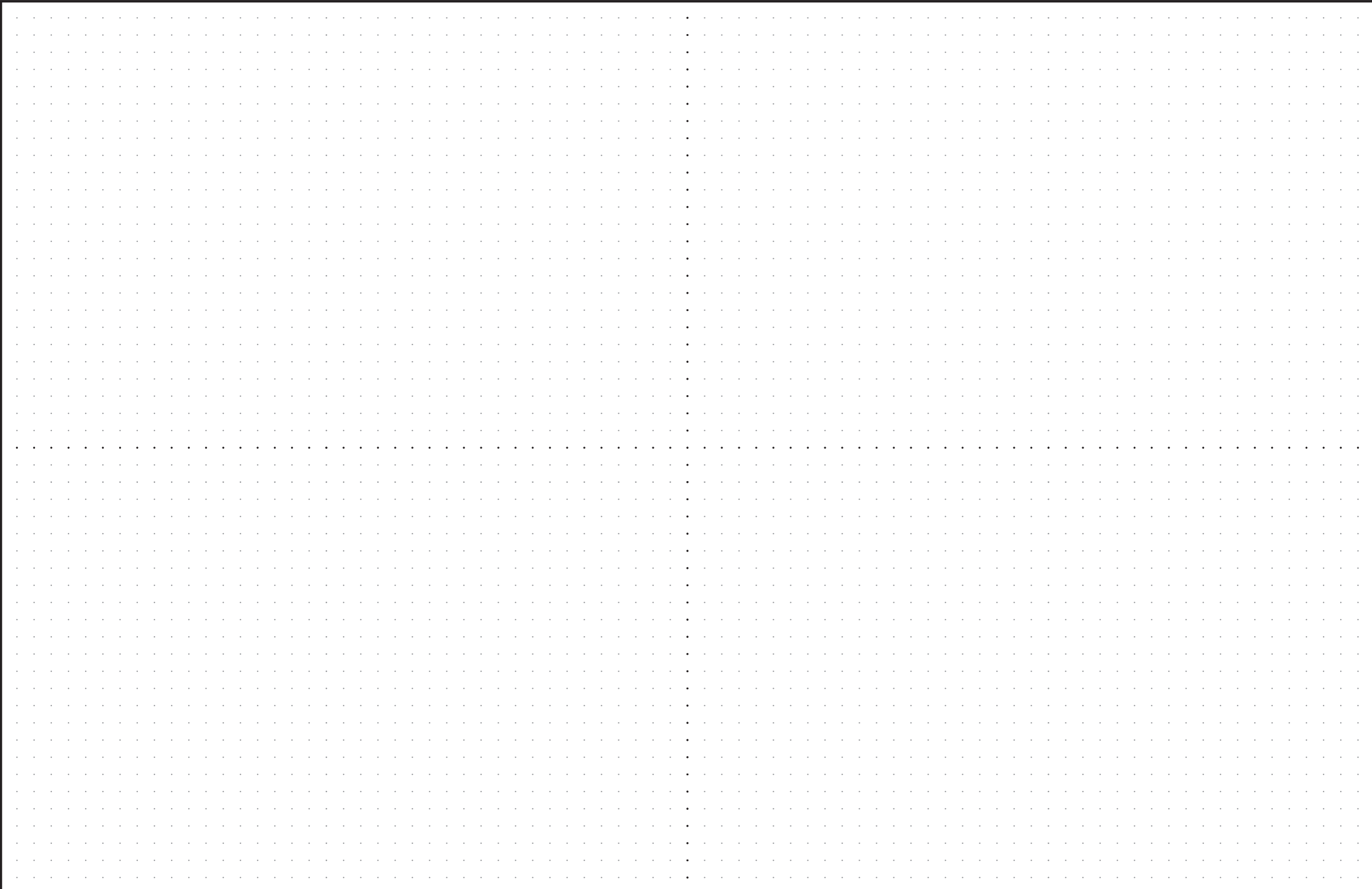
是 - “正交视图” 由学习合同中指定的小组成员完成。

NO - The **“orthographic drawing”** was not completed by the group member indicated in the **“learning contract”**.

否 - 学习合同中指定的小组成员未完成“正交视图”。

If you selected **“NO”** please indicated why your group decided to have someone else complete the **“Orthographic drawing”**.

如果选择“否”，请说明为什么你的小组决定让其他人完成“正交视图”。



Project: Simple Glider (Orthographic Views: Top, Front, Side)

Project & Client:

Approximate Scale:

Designer: Mr. Campbell

Build Team Members:

1: _____
Grid Type: 5mm dot-grid