

- (1) Whether the results of each step of the experiment are recorded: √ Yes No
- (2) Experimental results and conclusions required: √ Experimental report, Experience, Other

Specific experimental results and conclusions require are as followed:

①In the virtual simulation operation, students can press the "F" key to take a screenshot at any time, and the screenshot will become the virtual simulation construction result in the experimental report. Therefore, you can take screenshots during and after each operation to leave the implementation steps of the virtual simulation construction or the appearance of the site after implementation, as the reference and experimental results of the four steps of the four steps of corridor construction, rain garden construction, planting design and ground paving View. (As shown in Figure 71-74)



Figure 71 Screenshot of the results of the gallery construction



Figure 72 Screenshot of site paving results



Figure 73 Screenshot of greenfield construction results



Figure 74 Screenshot of planting design results

② The second part is the statistics of material costs incurred by the project. The experiment refers to the material price in the actual construction process, and calculates the material cost in the virtual simulation experiment process, and presents it in a table. (As shown in Figure 75)

实验报告				
项目	类别/树种		单价	总价
廊架	台基		10000	750000
	基础			
	结构构件			
	连接构件			
	装饰及面层			
场地	基础及垫层		200	300000
	面层			
	其他构件			
雨水花园	基础及垫层		240	192000
	其他构件			
种植	臭椿, 枫杨, 五色菊		8653	100000
合计			19093	1342000

Figure 75 Screenshot of material cost results

③ The third and fourth parts are the calculation results of rain and flood simulation and the results of landscape performance evaluation respectively. The scores of the rain and flood simulation assessment link are the relevant rainfall data generated by the virtual simulation design and construction during the rainfall return period selected by the students; the scores of the landscape performance assessment link are the corresponding performance data produced by the plants under the planting conditions selected by the students. (As shown in Figure 76)

实验报告	
<p>三、雨洪模拟计算结果（3分）</p> <p>考核环节分数：</p> <p>场地的综合径流系数是（0.8），场地在一遇重现期下，雨水径流量为（255）m³，通过下渗削减了暴雨产生的雨水径流量（3200）m³，共收集利用雨水（2568）m³。</p> <p>四、景观绩效评价结果（2分）</p> <p>考核环节分数：</p> <p>场地改造后植被覆盖率为（32）%。与场地建设前相比，增加能源节约量（54）千瓦时，增加SO₂吸收量（2354）kg/每年，增加氟化物吸收量（2848）kg/每年，增加滞尘量（5895）kg/每年，削减碳排放量（5687）kg/每年。</p>	

Figure 76 Screenshot of storm flood simulation and landscape performance results

④ The fifth part is the student's answer score. At the end of the three parts of gallery construction, ground paving, and landscape performance, there are answering links respectively to score the answers of each part of the students to get a comprehensive score. (As shown in Figure 77)

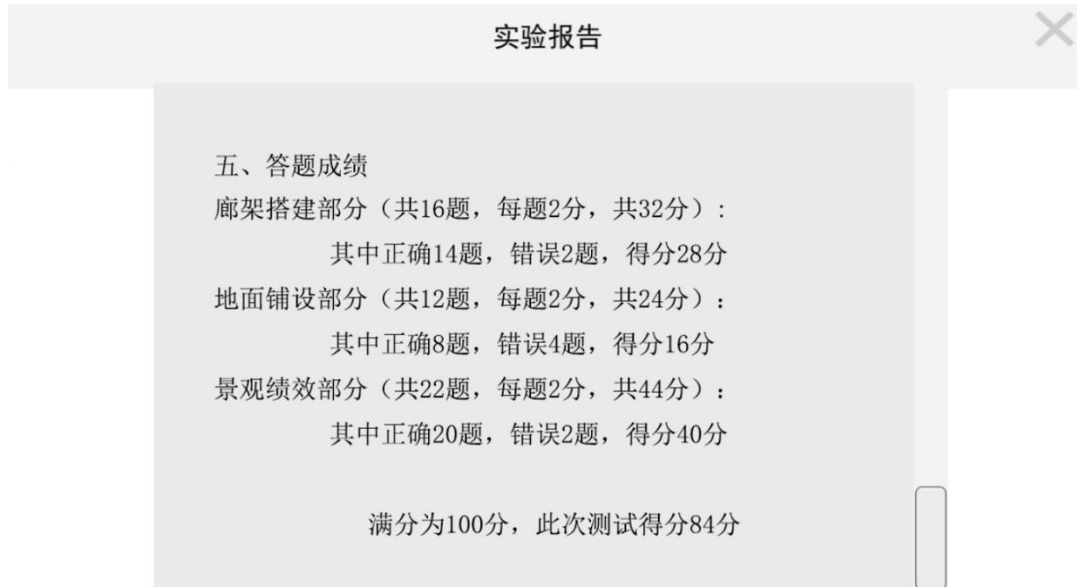


Figure 77 Screenshot of answer results