**常州市雕庄中心小学**

校本课程操作手册

课程名称： 趣味科学

任教教师: 白静亚

**二0二五年一月**

**雕庄中心小学校本课程规章制度**

一、活动前

1．教师提前3分钟到达上课地点，队员准时、坚持参加每次活动。

2．教师做好每次活动的考勤，请假的队员要及时与该生的班主任联系，搞清去向。

3．教师做好课前准备，学生带好所需的学习用品。

二、活动时

1.队员要遵守纪律，按时、认真完成学习任务。

2.队员之间要团结合作、互帮互助、友好相处。

三、活动后

1．要做好教室的清洁打扫。请各校本课程再结合各自的特点，师生共同补充制定具有个性化的制度，其中校本课程岗位设置、优秀社员评选标准不可少。

2.制度定好后，请上传至校园网“学生成长——校本课程工作”栏目

常州市雕庄中心小学校本课程开发纲要

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| **开发的课程名称** | **趣味科学** | **教师姓名** | 白静亚 |
| **实施对象** | 五（1） | **班级规模** | 44 |
| **展示形式** | **□ 视频展示**  **☑ 作品展示**  **☑ 现场展示**  **□ 其他形式：** | | |
| **课程目标** | 趣味科学社团以“培养学生创新能力为目标，以校本课程开发为载体，全面提升学生科学素养，培养好奇心与探索精神，让科学的种子在心中的发芽。 | | |
| **课程内容**  **及实施** | 以校本课程开发为载体，全面提升学生科学素养，本学期针对五年级的学生开设了趣味科学社团。 | | |
| **课程评价** | 1.学习态度。  2.基本技能的掌握  3.在不停调试作品的过程中培养科学家品质。 | | |

**请同时将电子稿上传至“学生成长——校本课程工作”栏目**

**授 课 计 划**

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| 序号 | 周次 | 授课内容安排 |
| 1 | 2 | 吹乒乓球 |
| 2 | 3 | 棉签飞机 |
| 3 | 4 | 平衡鸟 |
| 4 | 5 | 放映纸杯 |
| 5 | 7 | 会爬山的小猴 |
| 6 | 8 | 纸牌高塔 |
| 7 | 9 | 走马灯 |
| 8 | 10 | 消失的颜色实验 |
| 9 | 11 | 认识传感器 |
| 10 | 12 | 探究反光规律 |
| 11 | 13 | 不同颜色的反光率 |
| 12 | 14 | 趣味答题 |
| 13 | 15 | 趣味答题 |
| 14 | 16 | 星空放映器 |
| 15 |  |  |
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**请同时将电子稿上传至“学生成长——校本课程工作”栏目**

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| **序号** | **1** | **时 间** | **9.11** | **周 次** | **2** | **课 题** | 吹乒乓球 |
| **教学设计** | 1. 原理介绍 2. 零件介绍 3. 学生制作 4. 修改、体验 | | | | | | |
| **教学效果** | **良好** | | | | | | |
| **序号** | **2** | **时 间** | **9.24** | **周 次** | **3** | **课 题** | 棉签飞机 |
| **教学设计** | 1、原理介绍  2、零件介绍  3、学生制作  4、修改、体验 | | | | | | |
| **教学效果** | **良好** | | | | | | |

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| **序 号** | **3** | **时 间** | **10.16** | **周 次** | **4** | **课 题** | 平衡鸟 |
| **教学设计** | 1、原理介绍  2、零件介绍  3、学生制作  4、修改、体验 | | | | | | |
| **教学效果** | **良好** | | | | | | |
| **序号** | **4** | **时 间** | **10.23** | **周 次** | **5** | **课 题** | 放映纸杯 |
| **教学设计** | 1、原理介绍  2、零件介绍  3、学生制作  4、修改、体验 | | | | | | |
| **教学效果** | **良好** | | | | | | |

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| **序 号** | **5** | **时 间** | **10.30** | **周 次** | **7** | **课 题** | 会爬山的小猴 |
| **教学设计** | 1、原理介绍  2、零件介绍  3、学生制作  4、修改、体验 | | | | | | |
| **教学效果** | **良好** | | | | | | |
| **序号** | **6** | **时 间** | **11.06** | **周 次** | **8** | **课 题** | 纸牌高塔 |
| **教学设计** | 1、原理介绍  2、零件介绍  3、学生制作  4、修改、体验 | | | | | | |
| **教学效果** | **良好** | | | | | | |

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| **序 号** | **7** | **时 间** | **11.13** | **周 次** | **9** | **课 题** | **走马灯** |
| **教学设计** | 1、原理介绍  2、零件介绍  3、学生制作  4、修改、体验 | | | | | | |
| **教学效果** | **良好** | | | | | | |
| **序号** | **8** | **时 间** | **11.20** | **周 次** | **10** | **课 题** | **消失的颜色** |
| **教学设计** | 1、原理介绍  2、零件介绍  3、学生制作  4、修改、体验 | | | | | | |
| **教学效果** | **良好** | | | | | | |

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| **序 号** | | **9** | **时 间** | **11.27** | **周 次** | **11** | **课 题** | **认识传感器** |
| **教学设计** | | 1、原理介绍  2、零件介绍  3、学生制作  4、修改、体验 | | | | | | |
| **教学效果** | | **良好** | | | | | | |
| **序号** | | **10** | **时 间** | **12.04** | **周 次** | **12** | **课 题** | **探究反光规律** |
| **教学设计** | | 1、原理介绍  2、零件介绍  3、学生制作  4、修改、体验 | | | | | | |
| **教学效果** | | **良好** | | | | | | |
| **序 号** | **11** | | **时 间** | **12.11** | **周 次** | **13** | **课 题** | **不同颜色的反光率** |
| **教学设计** | 1、原理介绍  2、零件介绍  3、学生制作  4、修改、体验 | | | | | | | |
| **教学效果** | **良好** | | | | | | | |
| **序号** | **12** | | **时 间** | **12.18** | **周 次** | **14** | **课 题** | **趣味答题** |
| **教学设计** | 1. 希沃白板准备20道本学期知识题 2. 邀请学生两两PK | | | | | | | |
| **教学效果** | **良好** | | | | | | | |

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| **序 号** | **13** | **时 间** | **12.25** | **周 次** | **15** | **课 题** | **趣味答题** |
| **教学设计** | 1、希沃白板准备20道本学期知识题  2、邀请学生两两PK | | | | | | |
| **教学效果** | **良好** | | | | | | |
| **序号** | **14** | **时 间** | **1.08** | **周 次** | **16** | **课 题** | **星空放映器** |
| **教学设计** | 1、原理介绍  2、零件介绍  3、学生制作  4、修改、体验 | | | | | | |
| **教学效果** | **良好** | | | | | | |

学生出勤情况统计

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| 序号 | 姓名 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 1 | 徐艺洺 | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 2 | 张语桐 | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 3 | 金茗瑄 | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 4 | 魏妍熙 | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 5 | 郑雅雯 | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 6 | 宋欣悦 | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 7 | 凡思涵 | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 8 | 顾若汐 | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 9 | 柳文欣 | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 10 | 谭佳琳 | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 11 | 范子凝 | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 12 | 邱梓萌 | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 13 | 章婧 | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 14 | 魏子雯 | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 15 | 李佳璐 | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |

注：出勤打√，缺勤打×，迟到打 ，旷课打○。

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| 序号 | 姓名 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 16 | 张奕佳 | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 17 | 朱延星 | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 18 | 胡祎瑶 | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 19 | 杨梓怡 | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 20 | 王姝媛 | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 21 | 徐泽宇 | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 22 | 刘苏元 | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 23 | 沈荣轩 | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 24 | 刘向南 | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 25 | 李孟睿 | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 26 | 叶锦辰 | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 27 | 王浩然 | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 28 | 罗浩 | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 29 | 马镇泽 | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 30 | 周子航 | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |

学生出勤情况统计

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| 序号 | 姓名 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 31 | 陈棋轩 | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 32 | 邢隽滔 | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 33 | 张学彦 | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 34 | 姜浩然 | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 35 | 方泽 | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 36 | 崔皓轩 | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 37 | 王梓昊 | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 38 | 赵墨焓 | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 39 | 陈孟杰 | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 40 | 李逸辰 | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 41 | 陶牡锦 | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 42 | 徐磊 | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 43 | 韩冰 | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 44 | 郝诗瑶 | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
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**雕庄中心小学 2025 学年第 一 学期**

**趣味科学 校本课程成果展示（照片形式贴于下方）**

教师： 白静亚

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| Image_8881031474759 |

**请同时将电子稿上传至“学生成长——校本课程工作”栏目**

**优秀社团成员名单：合计 13 人**

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 班级 | 姓名 | 简 评 |
| 1 | 五（1） | 张学彦 | 细心 |
| 2 | 五（1） | 金茗瑄 | 能力强 |
| 3 | 五（1） | 李孟睿 | 自信 |
| 4 | 五（1） | 魏子雯 | 活泼 |
| 5 | 五（1） | 徐泽宇 | 认真 |
| 6 | 五（1） | 马镇泽 | 奇妙 |
| 7 | 五（1） | 张奕佳 | 创新 |
| 8 | 五（1） | 凡思涵 | 认真 |
| 9 | 五（1） | 叶锦辰 | 细致 |
| 10 | 五（1） | 刘苏元 | 灵气 |
| 11 | 五（1） | 宋欣悦 | 认真 |
| 12 | 五（1） | 魏妍熙 | 细致 |
| 13 | 五（1） | 顾若汐 | 活泼 |
|  |  |  |  |
|  |  |  |  |

优秀校本课程学员人数不超过总人数的30%，期末由指导教师在优秀成员学生护照上评定盖章。

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