



Main Line Classical Academy

## **LOWER SCHOOL : SCIENCE CURRICULUM**

### **KINDERGARTEN**

Our aims in Kindergarten Science Class are:

- To develop the ability to use the basic steps of the scientific method: ask a question, make a prediction, conduct an experiment, form a conclusion
- To study Chemistry, Physics, Biology, and Earth Science using hand-on experiments, demonstrations, books, and other resources
- To begin to learn how to use basic scientific units
- To nurture scientific curiosity in the world

### **FIRST GRADE**

Our aims in 1<sup>st</sup> Grade Science Class are

- To develop the ability to use the basic steps of the scientific method: ask a question, make a prediction, conduct an experiment, form a conclusion
- To enhance critical thinking and oral reasoning skills
- To study Chemistry, Physics, Biology, and Earth Science using hand-on experiments, demonstrations, books, and other resources
- To begin to learn how to use basic scientific units
- To nurture scientific curiosity in the world

### **SECOND GRADE**

Our aims in 2<sup>nd</sup> Grade Science Class are

- To develop the ability to use the basic steps of the scientific method: ask a question, make a prediction, conduct an experiment, form a conclusion
- To practice analyzing experimental data and displaying the results in various ways (graphs, tables, etc.)
- To enhance critical thinking and oral reasoning skills
- To study Chemistry, Physics, Biology, and Earth Science using hand-on experiments, demonstrations, books, and other resources
- To learn how to use basic scientific units
- To nurture scientific curiosity in the world

### **THIRD GRADE**

Our aims in 3<sup>rd</sup> Grade Science Class are

- To develop the ability to use the basic steps of the scientific method: ask a question, make a prediction, conduct an experiment, form a conclusion
- To practice analyzing experimental data and displaying the results in various ways (graphs, tables, etc.)
- To enhance critical thinking and oral reasoning skills