

### Etowah GYSTC STEM Services Flyer

As a member of *Etowah GYSTC*, there are many programs tailored to supplement your K-8 programs in the areas of Science, Technology, Engineering, and Math (STEM). This flyer highlights some of the opportunities available to you and your students. Most are provided as part of your GYSTC membership but there are some additional STEM related programs listed with additional fees. If you have something that you would like Etowah GYSTC to provide or facilitate and do not see it, contact us and we will work with you to create a program that provides the supplemental support you need and desire. *We are here for you.*

*Use the hyperlinks or the QR codes below to access the Etowah GYSTC website. The links will give important information about all of the services we provided. You may also contact Dr. Bob at [ryoung@highlands.edu](mailto:ryoung@highlands.edu) or call 706-266-0590 to ask questions or schedule events.*

Click or scan here to go to the Etowah GYSTC Website



#### In-Class Field Trip Activities - Included in Membership

Etowah GYSTC has hundreds of Georgia Standards Based lessons that the Etowah GYSTC Coordinator can teach to your students in an In-Class Field Trip. The Coordinator will provide hands-on learning for your students in grades K-8. Lessons range from “Why is there Day and Night”, “How Does Sound Travel”, “How to Operate a Robot”, “Science of Flight using a Drone”, to “How to Collect DNA? The In-Class Field Trip can be customized to your school and teacher needs, based on your school Georgia Milestones results. Whether it be a selection from a host of Physical Science, Biological Science, Technology, or Engineering Activities that your teachers need, we can customize it for you.

#### Family STEM Night Activities - Included in Membership

Using a cafeteria approach, teachers will select the STEM activities that address the Georgia Standards of Excellence that they feel will serve their needs. The STEM activities are hands-on and can be coordinated with the school’s curriculum map. A pre-event training will take place where teachers will discuss and decide the activities they need and want. Also, at the pre-event training a materials list will be provided for the school. During the evening of the event, the GYSTC Coordinator will be present to facilitate the activities, answer questions, and solve any technical issues that arise. These events are very popular and go nicely with PTO or PTA meetings and are a good supplement to Title I meetings, as well.





### **Etowah GYSTC Equipment Resource Center - *Included in Membership*** ←

For many schools, specialized equipment is not very affordable or easy to store. Your Etowah GYSTC may be your answer. We warehouse a host of packaged activities, supplies, materials, and equipment that can be checked out by appointment. The warehouse is constantly being re-supplied so call to see if we have what you need and want. You can pick your supplies up by appointment or it will be delivered directly to your school. An inventory has been prepared and is constantly being updated.



### **StarLab Experience - *Included in Membership***

Etowah GYSTC owns a digital StarLab and the regional coordinator is a trained instructor. Dr. Bob is an accomplished stargazer: published in Sky & Telescope Magazine, written hundreds of newspaper articles, and is interviewed on a weekly radio program. Teachers, through their system GYSTC Director, or directly, can schedule time for StarLab presentations. The lessons will be designed specifically for the grade level desired. A maximum of 5 sessions per day can be scheduled. The maximum number of participants who will be comfortable in the StarLab dome will naturally depend on the grade level and age. The GYSTC Coordinator will set up the StarLab an hour or so before the class sessions. It is expected that at least one classroom teacher will accompany their students into StarLab. Note: the dome is handicapped accessible.



### **Professional Learning Training Activities - *Included in Membership*** ←

Etowah GYSTC has plenty of Professional Learning Training programs that can be provided to your teachers. These programs can be used for classroom instruction enhancement as well as part of your teacher re-certification requirements. The Professional Learning Training can be customized to your school and teacher needs, based on your school Georgia Milestones results. Whether it be 5Es of Instruction, 3-D Instruction, or a selection from a host of Physical Science, Biological Science, Technology, or Engineering Activities that your teachers need, we can customize it for you.



### **Etowah GYSTC Weekly Stargazers' Newsletter - *Included in Membership***

Etowah GYSTC Regional Coordinator has been producing a weekly Stargazers' Newsletter for several years and has been conducting a weekly program on Rome Radio Station WLAQ AM 1410 and FM 96.9. The program airs at 7:50 a.m. each Tuesday morning. The radio station also has a live FaceBook broadcast at the same time: WLAQ-Rome. Listeners send questions to: ryoung@highlands.edu and when time permits, the questions are read and answered during the program.



### **Online Access to GYSTC Resource Guides - *Included in Membership*** ←

The GYSTC Supplemental Science Resource Guides are available to administrators and teachers in GYSTC participating school systems in Georgia. The Supplemental Science Resource Guides are found in hard-copy form as well as in digital form. They are organized by grade-level, Kindergarten through Eighth Grade and are aligned with the Georgia Standards of Excellence (GSE). Each grade-level guide is divided into four quarters with each quarter being composed of at least one specific science topic which is linked to a specific GSE standard.