Maryland Scholars—How It Works

1. Attend a three hour training session and plan to make **at least 4 classroom presentations**. The sessions will take approximately 50 minutes each to complete. **NOTE 1:** Speakers who attended live training in prior years may take the online refresher course. www.theSTEMnet.com **NOTE 2:** Volunteers with STEM expertise will be invited to complete the online training module that will designate them as STEM Specialists who are available to also co-teach lessons in math, science, technology and pre-engineering classrooms. www.theSTEMnet.com

2. After you have completed training, go to www.theSTEMnet.com to select classroom sessions. You may choose schools, dates and times that are convenient to you. You are free to conduct back-to-back sessions in each school. Put dates/times/schools into your calendar. **Keep checking the STEMnet periodically, new school schedules are being posted almost every day.**

3. Take time at home to review the lesson plan, personalize and practice your presentation. Find ways to add visual interest and opportunities for student interaction. **(See "Presentation Techniques" on pages 26-27 and download the Classroom Presentation Template—a sample PowerPoint that can be found at www.thestemnet.com/speaker-resources)**

4. You will receive an email reminder several days prior to your scheduled presentation.

5. On the day of your presentation, arrive at the school **20 minutes before** your scheduled time. Report to the school office to pick up magazines for students. Check directions ahead of time and allow time for traffic, parking, navigating through school. **Being late is not acceptable.**

6. The teacher is expected to stay in the classroom with you, and will evaluate your presentation. Feel free to ask the teacher for help in answering questions, passing out materials, or keeping order.

7. During your presentation, **distribute** magazines—they contain materials that you will reference during your presentation.

8. After your presentation, **distribute** and **collect** student evaluation forms (found on page 24). **Mail** (5520 Research Park Drive, Suite 150; Baltimore MD 21228), **fax** (410-788-0233) or **email** (joyce@mbrt.org) student evaluation forms with your speaker feedback form to MBRT within 5 days after your presentation.

*This is a serious commitment. Our credibility—and yours—is on the line.*

*Our goal: a speaker in every classroom.*
What happens if you don’t show up?

Students will get the exact opposite message from one we’re trying to deliver – that attendance & punctuality are critical.

Teachers will have to scramble to fill the unexpected gap, and unhappy principals will call our office. Sometimes, schools will stop working with us.

If you have an unavoidable conflict or an emergency situation, you must contact someone.

Here’s what to do:

⇒ Four days or more ahead –
   Go to www.theSTEMnet.com and delete your name from the schedule. The system will automatically open up the class for others to take and will notify us of the vacancy.

⇒ Three days or less –
   Call or email Joyce at MBRT (410-788-0333 joyce@mbrt.org) to let her know. MBRT will try to get a replacement for you.

⇒ 24 hours or less –
   Call the school coordinator (listed on the schedule that is emailed to you), explain your situation, express your regrets, and ask if your presentation can be postponed to another day. If you reschedule or cancel the classroom visit, please contact MBRT with the rescheduled date or cancellation notice.
Important Things To Know and Do

MBRT Programs

Unique to MBRT are its recruited, trained and vetted cadre of workplace volunteers, who have a demonstrated track record of success helping students connect how their school performance today will impact their future career options.

MBRT provides two programs that leverage the expertise and experiences of our volunteers; the Maryland Scholars Speakers Bureau and STEM Specialists in the Classroom.

- **The Maryland Scholars Speakers Bureau** offers speakers to 8th- and 9th-grade classrooms to motivate and inspire students to complete rigorous courses and to prepare for college and careers.

- **STEM Specialists in the Classroom** provide teachers with instructional support from workplace specialists with on-the-job expertise in specific math, science and technology concepts and practices. The STEM specialists are professionals from industry, business, higher education and government agencies who have been recruited and trained by MBRT to share their STEM expertise with teachers and students. These specialists co-teach lessons using content and skills aligned to current college- and career-ready standards.

Recent research shows that the more students interact with workplace professionals throughout high school, the more they earn later in life (Mann, Anthony, Journal of Education and Work, 2013). According to the study, students who recalled at least four school-mediated employer interactions between ages 14-19 earned 18% more three years out of high school than students who could not recall such interactions.

Maryland Scholars Course of Study

This is the centerpiece of your message to students. It is important that you become familiar and comfortable with the messages and details.

- **4 mathematics credits** (including Algebra 2 or higher)
- **3 lab sciences** (including Chemistry and Physics (a 3rd lab science course may be substituted for Physics)
- **2 credits of the same World Language**
- **3.0 GPA** are required to qualify as a Maryland Scholar.

[Review pages 7 & 8]

Volunteer Management System

MBRT’s volunteer management system, STEMnet, gives volunteers access to directions, school schedules, performance data, school contact name and email. This system will be phased out in 2018, with detailed communications to come prior to any changes. In the meantime, **volunteers should go online to** -- www.theSTEMnet.com -- to register, sign-up for training dates and sign onto school schedules. Once your training has been completed, you will be able to access the school schedules.

On-line Refresher Training

We have updated the on-line refresher training for veteran speakers who attended at least one live training session. All volunteers must take the online course prior to going into the classroom.

While not required, veterans are encouraged to attend live training sessions, since their experience and input is beneficial to new speakers.
Program Summary:
The purpose of the Maryland Scholars Speakers Bureau program is to motivate students to complete a specific set of courses that will help them succeed in high school, whether they go to college or enter the workforce directly. Speakers send a positive message to students that what they do in school is important to their futures.

Program Outcomes:
- Students will have their initial MBRT workplace professional interaction.
- Students will understand the connection between “learning” and “earning”.
- Students will understand how they can prepare for their futures and when they should start preparing.
- Students are excited about creating their future and know specific steps to take to get started.

Materials:
1) Classroom Presentation Template (found at www.thestemnet.com/speaker-resources)
2) Student Magazine (available at the school)
3) Student Evaluations (speaker must bring enough copies to provide to each student) see page 24

Time:
Overall: 50 mins.

Pre-work Note: Before going into the classroom, review the lesson plan, personalize and practice your presentation. Find ways to add visual interest and opportunities for students interaction through the use of open-ended questions. Make sure you also download and customize the Classroom Presentation Template which is a PowerPoint presentation that will help display your message visually. The PPT can be found at www.thestemnet.com/speaker-resources.

You will receive an email reminder several days prior to your scheduled presentation. Be sure to take note of the name of your school coordinator on the e-mail—this will be helpful when you check in at the front office to sign in. You will want to arrive at the school 20 minutes prior to your scheduled presentation to give you enough time for parking and navigating through the school.

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<thead>
<tr>
<th>Topic / Objective / Time</th>
<th>Instructional Content</th>
<th>Helpful tips</th>
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</table>
| Introduction             | **Write your name and Maryland Scholars on the chalkboard.** Introduce yourself. Share your personal reason for being there. State that “I am representing the Maryland Business Roundtable for Education (and local employers/organization), and there are over 2,000 people like me talking with students across the state letting them know that courses matter and choices matter. I want you to have an opportunity and a chance for a great life.” Frame the process:  
  ➞ Assure them that you are not here to give a speech, but would like to have a conversation. You are interested in what they have to say.  
  ➞ **Set ground rules:** one person talks at a time, respect each other “I hope you’ll get a good idea of what life after high school will be like and what you can do now to prepare for what’s ahead.” | This is a great place to share where you work and what you do. Remember to: *Breathe and Smile*  
*Be Professional, but Relaxed*  
Share an anecdote from your high school days — maybe even some pictures. |
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| Framing the conversation | Get the students talking—ask them:  
   “As you think about your future, what does success look like? How will you know that “you made it?”  
   “Based on your definition of success, how will you measure your success?” (i.e. salary, a house, a car, etc.)  
   “A Maryland Scholar is a student who wants to have a successful future and is willing to work for it.”  
   Show the many benefits to completing Maryland Scholar courses by quickly polling the class:  
   “How many of you want to get a good job when you graduate?” (the skills you gain from taking these classes will help you get that job)  
   “How many of you plan to go to college after high school?” (taking these classes will begin to help you prepare for college-level work)  
   “What things do you think you should do now to help you get there?” (taking these classes with at least a 3.0 GPA will help you earn scholarships to help)  
   “Completing the Maryland Scholars courses will prepare you to go confidently and successfully in any direction you choose when you graduate. And that is what I want to talk to you more about today.”  
   “To get you ready, let’s first talk about what life will really be like after high school.” | This is your first chance to get them talking—use a lot of open ended questions here!  
   It’s ok if students do not know what they want to do—here’s your chance to get them to dream.  
   Call students by name—use tent cards or ask the teacher for a seating chart. |
| Reality Check | “Five years from now...  
   • What do you want your lifestyle to be?  
   • Who wants to get their own place? Who wants a car?  
   • What do you think it costs to live on your own? What kinds of things will you have to pay for every month?  
   • How much do these things cost?”  
   Pull up the Classroom Presentation PowerPoint with the Reality Check details and pass out the student handout.  
   Direct students to the “What It Costs to Live” section of the student handout and review each section. Based on what students identify as expenses, see if they will have enough money to live based on a fictitious salary.  
   Have the students look at the sampling of jobs and identify what is causing the salaries to increase on the chart—the link will be the level of education required.  
   “What do you notice when you look at this sample of jobs... starting from the bottom and then moving up?” Student will often be drawn to the money first.  
   “Why do you think that is?” They should easily make the learning vs. earning connection.  
   “The decisions you make in school are going to impact life after high school. What can you do to make sure you’re prepared for a successful future?” | A great way to engage the students is to have a student make a list of the responses on the chalkboard.  
   Consider how you can make this section interactive (add some physical movement as well) Consider:  
   ⇒ Using Monopoly money to demonstrate  
   ⇒ Breaking the class into small groups to come up with the costs  
   ⇒ Creating your own game of “Life” |
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<tbody>
<tr>
<td><strong>Courses Matter... Choices Matter</strong>&lt;br&gt;Students will understand HOW they can prepare for their future and WHEN they should start preparing.&lt;br&gt;(15 minutes)</td>
<td>“What you do in your four years of high school is important to having a successful future. Besides your family and teachers, who else cares about what – or how well – you do in high school? How do you think they will know?” Display the blank transcript on the Classroom Presentation PowerPoint. Briefly review with the class what can be found on it. Then show the completed transcripts for Kelly Jones and Pat Smith—asking the following questions for each:&lt;br&gt;“Looking at these transcripts, what can you tell me about Kelly and Pat?” Write down some of their answers.&lt;br&gt;“If you owned a company, which one would you hire? Why?” “Colleges and employers are asking for high school transcripts because they want to know:&lt;br&gt;Are you prepared to do college work?&lt;br&gt;Do you have the skills you need to be successful?&lt;br&gt;Will you show up for class or work?&lt;br&gt;Are you reliable?&lt;br&gt;Would you be eager to take on a challenge?” Click back to the blank transcript: “This is what your transcript looks like at the beginning of high school. It’s a clean slate. You have the power to tell the world who you are and what you are capable of. As you complete courses, pass tests, accomplish tasks and earn awards, you are creating a picture of yourself that tells colleges and employers, “I’m the one you want.”” Revisit Maryland Scholars “Again, the courses you choose to take in high school will play a big part in how far you can go in life. You are in the driver’s seat. You have control.” Direct students to Maryland Scholars courses on the student handout and review the full listing of MD Scholars courses/requirements.&lt;br&gt;“Most of these courses you already need to take as graduation requirements. To become a Maryland Scholar, you only need to add: a 4th year of math, including Algebra 2, Chemistry, another lab science, 2 years of a world language and a 3.0 grade point average (2.5 if Next Generation Scholars classroom). These are the courses you need to complete if you want to have opportunity in life – whether you go to college or right into the workforce.”</td>
<td><strong>Remember not to lecture—continue to ask students questions. Engage them in the session.</strong>&lt;br&gt;<strong>Watch your pacing. Again, time goes quickly.</strong>&lt;br&gt;<strong>Use other visuals to help introduce the high school transcript to students. Have your own? Bring it with you and share!</strong>&lt;br&gt;<strong>Benefits to students: by taking these courses:</strong>&lt;br&gt;• Get into college or get a good job with benefits&lt;br&gt;• Qualify for scholarships&lt;br&gt;• Graduate from college&lt;br&gt;• Earn more money in salaries (whether they want to go to college or not)&lt;br&gt;• Prepare for the ASVAB (a multiple-aptitude battery that measures developed abilities and helps predict future academic and occupational success in the military)</td>
</tr>
</tbody>
</table>
| **Conclusion**<br>Students are excited about creating their futures and know specific steps to take to get started<br>(7 minutes) | “Many employers also do a background check – including drug testing, reviewing driving records, credit checks and criminal history...and some will look at your online profile (i.e. Facebook, Instagram and Twitter). Be smart. Make good decisions in school and outside of school. Keep your options open—you can make choices and take actions today that will get you ready for tomorrow. You can create your own record of accomplishment. You have four years to make it impressive. And all four years count. (modify your timeline if speaking with 8th graders) Just getting by is not good enough if you want to be ready for work or college. Talk to your parents, teachers and school counselor—make a plan to get to where you want to be. They really do want to help you. Don’t be afraid to ask for help when you need it.” “Create yourself...Be a Maryland Scholar. Three things you can do now: (Write it on the board)<br>1. Set some goals<br>2. Talk with your counselor and parents about being a Maryland Scholar<br>3. Work hard, have fun, create yourself” Ask the students if they have any questions. Hand out the student evaluation form. (allow a few minutes for them to complete it) Collect the evaluation forms before you leave and thank the students and teacher for allowing you to be there. | **Continue to be positive and upbeat—keep the students excited and engaged!**<br>**Encourage students to find someone in their career field that can provide more information about a career field—what they need to do to prepare, what do they do in a day, etc..**<br>**Be candid with your answers.**<br>You can find the student evaluation form on page 24. Bring enough copies for all students in the class.
If you choose to use PowerPoint, download and customize the Classroom Presentation Template that will help display your message visually.

www.thestemnet.com/speaker-resources

MARYLAND SCHOLARS

YOUR FUTURE...

➢ What’s important to you?

➢ What does success look like?

➢ How will you know that “you made it?”

LIFE AFTER HIGH SCHOOL: WHAT DOES IT COST TO LIVE?

<table>
<thead>
<tr>
<th>Item</th>
<th>Cost</th>
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<tbody>
<tr>
<td>Apartment</td>
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<tr>
<td>Car Payment</td>
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<tr>
<td>Car Insurance/Gas/Maintenance</td>
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</tr>
<tr>
<td>Gas/Electricity</td>
<td>$150</td>
</tr>
<tr>
<td>Phone/Internet/Cable</td>
<td>$150</td>
</tr>
<tr>
<td>Food</td>
<td>$350</td>
</tr>
<tr>
<td>Entertainment</td>
<td>$200</td>
</tr>
</tbody>
</table>

Total: $2,919

A MONTH!!!
If you choose to use PowerPoint, download and customize the **Classroom Presentation Template** that will help display your message visually.

[www.thestemnet.com/speaker-resources](http://www.thestemnet.com/speaker-resources)
WHAT ARE **YOU**
DOING TO **PREPARE YOURSELF**
FOR LIFE AFTER HIGH SCHOOL??

If you choose to use PowerPoint, download and customize the **Classroom Presentation Template** that will help display your message visually.

[www.thestemnet.com/speaker-resources](http://www.thestemnet.com/speaker-resources)
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www.thestemnet.com/speaker-resources

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If speaking in a “Next Generation Scholars” classroom, please update the GPA to **2.5** on PPT

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**Maryland Scholars**

Course of Study

- 4 Credits of English
- 4 Credits of Math
  (Algebra 1, Geometry, Algebra 2)
- 3 Credits of Lab Science
  (Biology, Chemistry, Physics)
- 3 Credits of Social Science
  (U.S. History, World History, Government)
- 2 credits of same **Foreign Language**

Students must attain a **3.0 GPA to qualify**

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**WITH THESE COURSES, YOU WILL BE MORE LIKELY TO:**

- Get into college or get a job with benefits
- Qualify for scholarships
- Graduate from college
- Earn more money in salaries (whether you go to college or not)
If you choose to use PowerPoint, download and customize the Classroom Presentation Template that will help display your message visually.

www.thestemnet.com/speaker-resources

YOU HAVE OPTIONS -

Preserve them by taking the right courses in high school!

3 THINGS YOU CAN DO NOW!

• Set some goals.

• Talk with your counselor and parents about being a Maryland Scholar.

• Work hard, have fun and CREATE YOURSELF!