

ACADEMY ADVISORY ROLE & RESPONSIBILITY: Review curriculum, identify and discuss any industry trends and technology that should be included in curriculum, offer suggestions and support for additional opportunities such as field trips, scholarships, competitions, student work placements/internships, guest speaking, etc.

ACADEMY ADVISORY	APPROXIMATE NUMBER OF COMMUNITY MEMBERS	FREQUENCY OF MEETINGS	MEETING TIME	CONTACT
<p>Career Research & Development / Passport to the Future CRD integrates career education with academic coursework while preparing students for postsecondary education related to a career. Through the Passport to the Future partnership, the Howard County Chamber of Commerce and HCPSS share the commitment and responsibility for developing workforce-ready students who plan to pursue a career immediately after high school.</p>	15-20	4 meetings, plus March 19- Passport Conference @ HCC (8:00 am-1:00 pm) April 1- Student Celebration @ JHU/APL (8:30 am-10:30 am)	12:30 - 2PM dates set each year	Stephanie Discepolo 410 313 7493 stephanie_discepolo@hcpss.org
<p>Academy of Finance (Accounting, Business Management & Marketing) Introduces students to business and financial services industries through a broad, comprehensive, standards-based sequence of courses addressing industry-specific knowledge and general workplace competencies.</p>	20	monthly	7:45-10AM dates set each year	Sharon Kramer 410 313 6797 sharon_kramer@hcpss.org
<p>Academy of Information Technology (Computer Networking, Computer Programming, & PC Systems) Implement CISCO Curriculum for CCNA (Cisco Certified Network Associate), CCNET (Cisco Certified Entry Networking Technician) and A+ (CompTIA A+) certification.</p>	10	2 times per year	9-10AM dates vary	Sharon Kramer 410 313 6797 sharon_kramer@hcpss.org
<p>Child Development / Teacher Academy Child Development - conduct formal observations, develop and deliver lesson plans, and participate in special events and activities with either an on-site or nearby childcare or preschool facility. Teacher - conduct formal observations, develop and deliver lesson plans in a K-12 setting, and participate in special events and activities with other future educators.</p>	15 - primarily HCPSS	2 times per year; additional as needed	to be determined	Laurie Collins 410 313 7480 laurie_collins@hcpss.org
<p>Hospitality (Culinary Science & Hotel & Restaurant Management Academies) Exposure to careers in lodging, travel and tourism, airlines and cruise lines, sport and recreation, resorts and theme parks, and restaurants and food services. Culinary offers broad introduction to this dynamic industry through hands-on instruction using ProStart, an industry-directed curriculum.</p>	15	2 times per year; additional as needed	to be determined	Laurie Collins 410 313 7480 laurie_collins@hcpss.org
<p>Automotive Technology Combines technical, academic and workplace skills in an integrated curriculum in accordance with all National Automotive Technicians Education Foundation, Inc. (NATEF) guidelines. Areas of study for program certification include suspension and steering, brakes, electrical/electronic systems, and engine performance. Students develop diagnostic, technical and academic skills through classroom instruction and hands-on maintenance applications.</p>	10-15	2 times per year	9:30AM dates vary	Natalie Belcher 410 313 6636 natalie_belcher@hcpss.org
<p>Biotechnology Learn the skills and techniques used in the biotechnology industry; emphasis on applications of techniques in genetic engineering, DNA fingerprinting, and cloning of genes.</p>	5	2 times per year	to be determined	Natalie Belcher 410 313 6636 natalie_belcher@hcpss.org
<p>Health & Emergency Technicians (Allied Health, Certified Nursing Assistant, Emergency Medical Technician) Certified Nursing Assistant curriculum, approved by the Maryland Board of Nursing, provides training in life span development, vital signs, basic patient care skills, etc. EMT-B is a three-way partnership between Howard County Public Schools, Howard County Department of Fire and Rescue Services, and Howard Community College: one-year senior high school plus two-year community college pathway to prepare students with emergency skills.</p>	10-15	2 times per year	to be determined	Natalie Belcher 410 313 6636 natalie_belcher@hcpss.org
<p>Construction (Management & Architectural Design) Develop and design, construct, and maintain the built environment. Construction Technology includes basic design as well as plumbing, electrical, and carpentry skills. Architectural Design includes planning of construction projects, material use, and develop design skills for residential structures.</p>	15	2 times per year	to be determined	Natalie Belcher 410 313 6636 natalie_belcher@hcpss.org
<p>Energy, Power, & Transportation Focus on technical concepts including mechanical drawing, practical fabrication, electronics, mechanics, data acquisition, and analysis. Students follow engineering design process working in teams to design, build, and test a single passenger electrically powered racecar or all-terrain wheelchair. Students use computer-based design and modeling techniques and learn practical fabrication skills such as basic welding and machining.</p>	15-20	2 times per year	to be determined	Natalie Belcher 410 313 6636 natalie_belcher@hcpss.org

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<p>Visual Communications & Animation Includes the elements of design and techniques related to the field of visual communications. Emphasis on graphic and digital art design and techniques: animation, publication design, electronic publishing, illustration, web page design and TV and video production. Encourages application of skills in creativity, problem solving, team-building, collaboration, and advertising.</p>	<p>2009-2010 OPPORTUNITIES 15</p>	<p>2 times per year</p>	<p>to be determined</p>	<p>Natalie Belcher 410 313 6636 natalie_belcher@hcpss.org</p>
<p>Pre-Engineering (Project Lead the Way) Participate in coursework that combines mathematics and science to introduce the scope, rigor, and discipline of engineering and engineering technology</p>	<p>15-20</p>	<p>2 times per year</p>	<p>7:30AM dates vary</p>	<p>Rich Weisenhoff 410 313 6604 richard_weisenhoff@hcpss.org</p>