

Merit Badge Tech Day (Traverse City)

Class Catalog

Registration opens December 25, 2016 Visit www.scoutingevent.com/272-2017MBtech to register







Merit Badge Tech Day (Traverse City) at ISD Career-Tech Center

Merit Badge Tech Day TC (Scheduled Classes)

MBTC10 9-12 PM

0 209

Jim Hanes



Architecture, Drafting

Architecture is not just the special buildings like cathedrals, museums, or sports stadiums we read about or see on television; it is as normal as the homes, places of worship, schools, and shopping malls where we live, worship, work, learn, and play every day. However, architecture is more than just common shelter; building has always satisfied the human need to create something of meaning. Even the simplest form of architecture is a work of art that requires thought and planning.

Drafting is a highly refined form of drawing used to communicate ideas to engineers, architects, and craftspeople. In earning this badge, Scouts learn the importance of accuracy and simplicity in developing a drawing that shows precise details in a simple format

Maximum number of participants: 10 Prerequisites: Architecture-1a, 1b, 4, 5

Drafting - Do one of 3a to 3c, Do one of 6a and 6b.

NOTE: Done in conjunction with Draftinng Merit Badge

MBTC10 1-4 PM 0 209 Jim Hanes



Architecture, Drafting

Architecture is not just the special buildings like cathedrals, museums, or sports stadiums we read about or see on television; it is as normal as the homes, places of worship, schools, and shopping malls where we live, worship, work, learn, and play every day. However, architecture is more than just common shelter; building has always satisfied the human need to create something of meaning. Even the simplest form of architecture is a work of art that requires thought and planning.

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Maximum number of participants: 10 Prerequisites: Architecture-1a, 1b, 4, 5

Drafting - Do one of 3a to 3c, Do one of 6a and 6b.

NOTE: Done in conjunction with Draftinng Merit Badge

MBTC10 8:30-4 PM 1 Parsons Stullen Bldg., 2600 Aero Park Drive Al Laursen



Aviation

For most of history, people have dreamed of flying, imagining how it would feel to soar through the sky like an eagle or hover in midair like a hummingbird, to float on unseen currents, free of Earth's constant tug, able to travel great distances and to rise above any obstacle. Today, through aviation, we can not only join the birds but also fly farther, faster, and higher than they ever could.

Maximum number of participants: 10

Prerequisites: 3b, 5

MBTC10 9-12 PM **2** 119 John Jordan



Chess

Chess builds critical thinking, forward thinking, and proper sportsmanship in young people.

Maximum number of participants: 25

Prerequisites: 4b, 4c, 4d, 4e, and either 6a,6b,or 6c





Merit Badge Tech Day (Traverse City) at ISD Career-Tech Center

MBTC10 1-4 PM

119

John Jordan



Chess

Chess builds critical thinking, forward thinking, and proper sportsmanship in young people

Maximum number of participants: 25

Prerequisites: 4b, 4c, 4d, 4e, and either 6a,6b,or 6c

MBTC10 9-12 PM 3

109 Robert Johnson



Citizenship in the Community

A nation is a patchwork of communities that differ from each other and may be governed differently. But regardless of how local communities differ, they all have one point in common: In the United States, local government means self-government. Good citizens help to make decisions about their community through their elected local officials.

Maximum number of participants: 21

Prerequisites: Complete all requirements in workbook. Bring to review in class.

MBTC10 1-4 PM **3** 109

Robert Johnson



Citizenship in the Community

A nation is a patchwork of communities that differ from each other and may be governed differently. But regardless of how local communities differ, they all have one point in common: In the United States, local government means self-government. Good citizens help to make decisions about their community through their elected local officials.

Maximum number of participants: 15

Prerequisites: Complete all requirements in workbook. Bring to review in class.

MBTC12 9-12 PM 8 120 Bob Cooney



Citizenship in the Nation

As Scouts fulfill the requirements for this merit badge, they will learn how to become active citizens are aware of and grateful for their liberties and rights, to participate in their governments and protect their freedom, helping to defend their country and standing up for individual rights on behalf of all its citizens.

Maximum number of participants: 15

Prerequisites: 2a, 2d, 3, 6

MBTC12 1-4 PM 8 120 Bob Cooney



Citizenship in the Nation

As Scouts fulfill the requirements for this merit badge, they will learn how to become active citizens are aware of and grateful for their liberties and rights, to participate in their governments and protect their freedom, helping to defend their country and standing up for individual rights on behalf of all its citizens.

Maximum number of participants: 15

Prerequisites: 2a, 2d, 3, 6

MBTC10 9-12 PM **5** 204 Dan Ingram



Citizenship in the World

Scouts who earn the Citizenship in the World merit badge will discover that they are already citizens of the world. How good a world citizen each person is depends on his willingness to understand and appreciate the values, traditions, and concerns of people in other countries.

Maximum number of participants: 15

Prerequisites: 1, 2,3a, 3b, 4a, do two from 4c 1 to 7, 5a, 5b, 5c, 6a, 6b, 6c, 7a

through 7e





Merit Badge Tech Day (Traverse City) at ISD Career-Tech Center

MBTC10 1-4 PM

204

Dan Ingram



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Scouts who earn the Citizenship in the World merit badge will discover that they are already citizens of the world. How good a world citizen each person is depends on his willingness to understand and appreciate the values, traditions, and concerns of people in other countries.

Maximum number of participants: 15

Prerequisites: 1, 2,3a, 3b, 4a, do two from 4c 1 to 7, 5a, 5b, 5c, 6a, 6b, 6c, 7a

through 7e

MBTC10 9-12 PM 8

111

Thom Hooper



Communications

This clear and concise definition comes from the U.S. Department of Education: "Communication focuses on how people use messages to generate meanings within and across various contexts, cultures, channels, and media. The field of communication promotes the effective and ethical practice of human communication."

Maximum number of participants: 10

Prerequisites: 4, 5, 6, do one 7a to 7c, 8 and 9

MBTC10 1-4 PM 8

111

Thom Hooper



Communications

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Maximum number of participants: 10

Prerequisites: 4, 5, 6, do one 7a to 7c, 8 and 9

MBTC10 8:30-4 PM **9**

Cafe

Dewayne Litwiller



Cooking

The Cooking merit badge introduces principles of cooking that can be used both at home or in the outdoors. Scouts who earn this badge will learn about food safety, nutritional guidelines, meal planning, and methods of food preparation, and will review the variety of culinary (or cooking) careers available.

Maximum number of participants: 15 Prerequisites: 4 a-e, 5 a-h, 6 a-f

MBTC13 9-12 PM

117

Tom Lennox



Crime Prevention, Fingerprinting

Preventing crime, which can be as simple as reducing the opportuntities for crime to occur, is far less costly than apprehending and bringing legal action against those who break the law and it helps save people from the anguish of being victims.

In earning the Fingerprinting merit badge, Scouts will learn about and use an important technique that is used by law enforcement officers, along with other materials like matching dental records and DNA sampling, to help identify amnesia victims, missing persons, abducted children, and others.

Maximum number of participants: 15
Prerequisites: Fingerprinting: None

Crime Prevention: 2,4a,4b,5, do one of 6a to 6b, 7b,8c and 9c

NOTE: Done in conjunction with Crime Prevention

MBTC13 1-4 PM 2 117

Tom Lennox



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matching dental records and DNA sampling, to help identify amnesia victims, missing persons, abducted children, and others.

Maximum number of participants: 15 Prerequisites: Fingerprinting: None

Crime Prevention: 2,4a,4b,5, do one of 6a to 6b, 7b,8c and 9c

NOTE: Done in conjunction with Crime Prevention

MBTC11 9-12 PM 112

Chad Rickman



Digital Technology

Technology has come a long way since Computers merit badge was first introduced in 1967. This badge will teach Scouts about technology in the digital age.

Maximum number of participants: 10

Prerequisites: 1, do three of 6a to 6h, 7a,7b and 7c

MBTC11 1-4 PM 0 112 Chad Rickman



Digital Technology

Technology has come a long way since Computers merit badge was first introduced in 1967. This badge will teach Scouts about technology in the digital age.

Maximum number of participants: 10

Prerequisites: 1, do three of 6a to 6h, 7a,7b and 7c

MBTC13 9-12 PM 0 200 Kim Rindslibacher



Disabilities Awareness, Family Life

Look around at the Scouts in your unit, the members of your sports teams, and the kids in your class - you will see that each person has their own personalities, distinct interests and ideas, different physical features, and different strengths and needs.

The family is the basic unit of society and is important to both individuals and communities. The world is rapidly changing, making today's society much more complex than ever before. As Scouts earn this merit badge, they will realize why it is important to know more about family life and how to strengthen their families.

Maximum number of participants: 18 Prerequisites: Family Life -1,3,4,5a,5b,5c

Disability Awareness - 2, do two of 4a to 4d and one of 5a to 5c.

NOTE: Done in conjunction with Disabilities Awareness Merit Badge

MBTC13 1-4 PM 0 200 Kim Rindslibacher



Disabilities Awareness, Family Life

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The family is the basic unit of society and is important to both individuals and communities. The world is rapidly changing, making today's society much more complex than ever before. As Scouts earn this merit badge, they will realize why it is important to know more about family life and how to strengthen their families.

Maximum number of participants: 19 Prerequisites: Family Life -1,3,4,5a,5b,5c

Disability Awareness - 2, do two of 4a to 4d and one of 5a to 5c.

NOTE: Done in conjunction with Disabilities Awareness Merit Badge

MBTC11 9-12 PM 122 Jeff Morse



Electricity

Electricity is a powerful and fascinating force of nature. As early as 600 b.c., observers of the physical world suspected that electricity existed but did not have a name for it. In fact, real progress in unraveling the mystery of electricity has come only within the last 250 years.

Maximum number of participants: 15

Prerequisites: 2,8,9a and 9b.





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MBTC11 1-4 PM

122

Jeff Morse



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Maximum number of participants: 15

Prerequisites: 2,8,9a and 9b.

MBTC11 9-12 PM 2

105

Jim Coughlin



Engineering

Engineers use both science and technology to turn ideas into reality, devising all sorts of things, ranging from a tiny, low-cost battery for your cell phone to a gigantic dam across the mighty Yangtze River in China.

Maximum number of participants: 10

Prerequisites: 1,2,5a,5b and 9.

MBTC11 1-4 PM 2

105

Jim Coughlin



Engineering

Engineers use both science and technology to turn ideas into reality, devising all sorts of things, ranging from a tiny, low-cost battery for your cell phone to a gigantic dam across the mighty Yangtze River in China.

Maximum number of participants: 10 Prerequisites: 1,2,5a,5b and 9.

MBTC13 9-12 PM 1

206

Kevin Kimble



Farm Mechanics

From the mattock and hoe to the horse and mule, the cotton gin and reaper, the tractor and air seeder-this is the story of farm equipment. Today, most farms are mechanized and farmers can do most of their own maintenance work and make the adjustments needed on their many intricate farm implements.

Maximum number of participants: 8

Prerequisites: 1d,2a,2b,2c,5, Do one of 6a to 6c, and 7.

MBTC13 1-4 PM 1

206

Kevin Kimble



Farm Mechanics

From the mattock and hoe to the horse and mule, the cotton gin and reaper, the tractor and air seeder-this is the story of farm equipment. Today, most farms are mechanized and farmers can do most of their own maintenance work and make the adjustments needed on their many intricate farm implements.

Maximum number of participants: 8

Prerequisites: 1d,2a,2b,2c,5, Do one of 6a to 6c, and 7.

MBTC11 9-12 PM

Meet In Lobby **Curtis Walters**



Fire Safety

The ability to use fire safely is essential to human survival. By earning this merit badge, Scouts will learn to uses fire safely and responsibly, how to prevent home fires, and how to handle fire safely, as well as burn prevention, and camping safety.

Maximum number of participants: 12

Prerequisites: 6a to 6h and 11.

MBTC11 1-4 PM

Meet In Lobby **Curtis Walters**



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Maximum number of participants: 12 Prerequisites: 6a to 6h and 11.





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MBTC11 8:30-4 PM 6 102 Marlene Griffin



First Aid

First aid - caring for injured or ill persons until they can receive professional medical care - is an important skill for every Scout. With some knowledge of first aid, a Scout can provide immediate care and help to someone who is hurt or who becomes ill. First aid can help prevent infection and serious loss of blood. It could even save a limb or a life.

Maximum number of participants: 10

Prerequisites: 1,2d and 7.

MBTC11 9-12 PM 7 214 Lynn Bakker



Fish and Wildlife Management

Wildlife management is the science and art of managing the wildlife - both animals and fish - with which we share our planet. Maintaining the proper balance and the dynamics that go with it requires humankind's attention. We use this stewardship tool to help minimize or eradicate the possibility of extinction of any given species. We want our descendants to have the opportunity to experience the same animal diversity that we now enjoy.

Maximum number of participants: 16

Prerequisites: Do one of 5 a to 5d and one of 7a to 7d.

MBTC11 1-4 PM 7 214 Lynn Bakker



Fish and Wildlife Management

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Maximum number of participants: 16

Prerequisites: Do one of 5 a to 5d and one of 7a to 7d.

MBTC11 9-12 PM **8** 103 Mark Ewing



Geocaching

The word geocache is a combination of "geo," which means "earth," and "cache," which means "a hiding place." Geocaching describes a hiding place on planet Earth - a hiding place you can find using a GPS unit. A GPS (Global Positioning System) unit is an electronic tool that shows you where to go based on information it gets from satellites in space

Maximum number of participants: 15 Prerequisites: 7, Do one of 8a to 8d and 9.

MBTC11 9-12 PM 9

114

Tom Mills



Graphic Arts

The field of graphic arts includes many kinds of work in the printing and publishing industries. Graphic arts professionals are involved in the creation of all kinds of printed communication, from business cards to books to billboards. The scope of printing communications is huge.

Maximum number of participants: 10 Prerequisites: Do one of 6a to 6d

MBTC11 1-4 PM 9 114 Tom Mills



Graphic Arts

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Maximum number of participants: 10 Prerequisites: Do one of 6a to 6d



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MBTC13 8:30-4 PM **4** 121 Bob Johnson



Model Design and Building

Model making, the art of creating copies of objects that are either smaller or larger than the objects they represent, is not only an enjoyable and educational hobby: it is widely used in the professional world for such things as creating special effects for movies, developing plans for buildings, and designing automobiles and airplanes.

Maximum number of participants: 10

Prerequisites: - Obtain copy of current Merit Badge Book or access online. Do NOT USE or BRING the "Merit Badge Worksheet"... I do not accept these! READ THE BOOK BEFORE ATTENDING THE CLASS!

- Complete Requirement No. 1 regarding Personal Safety with hand modeling tools such as scissors, glue, hobby knife..
- Complete Requrement 2 regarding use of the following modeling types: achitectural, stuctural, process, mechainical, and industrial
- Bring the following:
- a lined or unlined 8 1/2" X 11" pad of paper
- at least 2 No. 2 pencils
- Eraser
- Scissors
- 12" Ruler with dimension markings
- parts to complete Requirement 5:

"Build a special effects model of a fantasy spacecraft that might appear in a Hollywood science fiction movie."

 materials can include paper, cardboard, paper towel cardboard rolls, plastic parts, extra model kit parts, lego pieces.. USE YOUR IMAGINATION!

We will do the following:

- 1.) Discuss requirements No. 1 and No. 2
- 2.) Complete Requirement No. 4A building an architectural model using a printed "O" Gauge (1/48th scale) paper model of Skippy's Hot Dog stand. (see image)
- 3.) Study scale models and learn about scale and why they are different sizes.
- 4.) Do some basic sketching, study side view, front view, rear view drawings and learn about perspective and perspective drawing.
- 5.) Build a science fiction model from parts participant brings to meeting.
- 6.) Requirement 6: Discuss 6 occupations in which model making is used.

MBTC12 9-12 PM **0** 106 Sue Ewing



Personal Management

Personal management is about mapping a plan for your life that will involve setting short-range and long-range goals and investigating different ways to reach those goals. Education, training, and experience all help make your goals become a reality. To achieve your goals, you will choose the best path and make a commitment to it, while remaining flexible enough to deal with changes and new opportunities.

Maximum number of participants: 15

Prerequisites: 1a,1b,1c(1), 1c(2), 2a , 2b,8a,8b,8c,8d,9a,9b,9c,9d,9e,10a and 10b.

MBTC12 1-4 PM 0 106 Sue Ewing



Personal Management

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remaining flexible enough to deal with changes and new opportunities.

Maximum number of participants: 15

Prerequisites: 1a,1b,1c(1), 1c(2), 2a, 2b,8a,8b,8c,8d,9a,9b,9c,9d,9e,10a and 10b.

MBTC12 9-12 PM 1 Shop 120 Jason Rojewski



Plumbing

Plumbing, including pipe fitting, is an important and well-paid occupation. The industry is quite broad. It covers installations and repairs in homes, commercial properties, and factories. Plumbing pipelines are used for water supply, waste drainage, natural-gas heating, and many other purposes.

Maximum number of participants: 10

Prerequisites: 8a and 8b.

MBTC13 9-12 PM 3 211 Jon Youngson



Railroading

By earning this badge, Scouts can learn about the history of railroading, its place in modern society, careers in railroading, and hobbies related to railroading

Maximum number of participants: 15

Prerequisites: 2A, Do one of 3a to 3e, Do either 8a or 8b

MBTC13 1-4 PM 3 211 Jon Youngson



Railroading

By earning this badge, Scouts can learn about the history of railroading, its place in modern society, careers in railroading, and hobbies related to railroading

Maximum number of participants: 15

Prerequisites: 2A, Do one of 3a to 3e, Do either 8a or 8b

MBTC12 1-4 PM 2 121 Jason Rojewski



Scouting Heritage

Introduces boys to the history of the Boy Scouts of America. They'll learn it all - from Scouting's beginnings under Lord Baden-Powell to the history of their own troop.

Maximum number of participants: 15 Prerequisites: Do one of 4a or 4b.

MBTC12 9-12 PM 3 US CG Air Station, 1201 Airport Access Road, Traverse City USCG USCG



Search and Rescue

The process and safety methods of working around specialized teams such as aircraft, canine, and aquatic rescue teams. Identifying differences between search and rescue environments, such as coastal, wilderness, rural, and urban landscapes. Determining when Universal Transverse Mercator (UTM) and latitude and longitude (Lat/Lon) should be used

Maximum number of participants: 16

Prerequisites: 1a,1b,2a,2b,2c,4,6a,6b,6c,and 10.

NOTE: This merit badge is held at a location other than the Career Tech Center. Scouts are responsible for transportation to and from these locations as we will not be able to transport them.

MBTC12 1-4 PM

US CG Air Station, 1201 Airport Access Road, Traverse City USCG USCG



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Maximum number of participants: 16

Prerequisites: 1a,1b,2a,2b,2c,4,6a,6b,6c,and 10.

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Merit Badge Tech Day (Traverse City) at ISD Career-Tech Center

MBTC12 1-4 PM **4** 103

Mark Ewing



Signs, Signals, and Codes

American Sign Language (ASL) is the third most used language in the United States. The Signs, Signals, and Codes merit badge will cover Morse code, ASL, Braille, signaling, trail markings, and other nonverbal communications. Did you know that some of these have even saved people's lives'

Maximum number of participants: 15

MBTC12 9-12 PM **5** 209A Pete St. John



Truck Transportation

Trucking is a large and important industry. No matter where you live, a day is unlikely to go by when you will not see a truck. We use these vehicles to deliver almost every material item we buy. Without trucks, our economy would not work efficiently.

Maximum number of participants: 12 Prerequisites: 1,4a,4b,4c,4d and 4e.

MBTC12 1-4 PM **5** 209A Pete St. John



Truck Transportation

Trucking is a large and important industry. No matter where you live, a day is unlikely to go by when you will not see a truck. We use these vehicles to deliver almost every material item we buy. Without trucks, our economy would not work efficiently.

Maximum number of participants: 12 Prerequisites: 1,4a,4b,4c,4d and 4e.

MBTC12 9-12 PM 7 Ag Sci Room 118 Chris Stein



Wood Carving

As with any art, wood carving involves learning the basics of design, along with material selection and tools and techniques, as well as wood-carving safety. The requirements of the Wood Carving merit badge introduce Scouts to an enjoyable hobby and that can become a lifetime activity.

Maximum number of participants: 10

Prerequisites: 2a, 6, 7

MBTC12 1-4 PM 7 Ag Sci Room 118 Chris Stein



Wood Carving

As with any art, wood carving involves learning the basics of design, along with material selection and tools and techniques, as well as wood-carving safety. The requirements of the Wood Carving merit badge introduce Scouts to an enjoyable hobby and that can become a lifetime activity.

Maximum number of participants: 10

Prerequisites: 2a, 6, 7

