

# Curriculum

## SESSION

**June 8-12**  
\$40 per class -  
Students should  
register at grade  
level they will be  
for Fall, 2009.

**Everyone Can Draw (Grades 1-4) 9:30 -11 am • Cat Abbott** 0160.001  
Drawing is like singing, dancing or riding a bike: anyone can learn to do it! Kids are so naturally creative and playful that some of their drawings are great art. Students will draw and paint from observation, their own experiences and from their imaginations.

**Building Tech LEGO (Grades 3-6) 10:30-12 noon • Steve Harrison** 0160.002  
Explore the fundamental principles of engineering and construction to build cranes, towers, bridges and other city systems. Students will build team models that use science ideas of forces and

motion and their own imaginations using LEGO™ kits.

**Guitar Hero 4 Real (Grades 4-6) 10:30-12 noon • Anna Haecherl-Smith & Ken Smith** 0160.003  
Guitar Hero is a blast to play and gets kids interested in music past and present. It gets them interested in learning a real instrument. So what could be better than a chance to learn on a real guitar, with tab transcriptions of songs from the game? Additional \$20.00 acoustic guitar rental fee for 1 month.

**Video Game Design (Grades 5-8) 10:30-12 noon • Marty Brandl** 0160.004  
Learn what goes into creating some of your favorite games; then get hands-on and make a game of your own: write a story, build an environment, create characters and add puzzles and sound effects. We work with both Scratch and Game Maker software.

**Hand Built Pottery (Grades 5-8) 10:30-12 noon • Joel McKinney** 0160.005  
Pinching and shaping clay by hand is one of the oldest crafts in the world: getting our hands into clay is irresistibly attractive. Start with pinch pots of an expressive face and move on to other imaginative work. Before firing students will decorate them with underglaze and glazes.

**LEGO Boot Camp (Grades 1-4) 1-2:30 pm • Steve Harrison** 0160.006  
Beginning LEGO™ builders will learn how to make simple machines with gears, wheels and axles. Structural forces and levers get very interesting when they help you design a racing vehicle, like a sailboat. Transportation means you crane it, carry it, and convey it!

**Hand Built Pottery (Grades 1-4) 1-2:30 pm • Joel McKinney** 0160.007  
Pinching and shaping clay by hand is one of the oldest crafts in the world: getting our hands into clay is irresistibly attractive. Start with pinch pots of an expressive face and move on to other imaginative work. Before firing students will decorate them with underglaze and glazes.

**Creatures Great & Small (Grades 3-6) 1-2:30 pm • Marshall Animal Clinic Veterinarians** 0160.008  
Are you interested in what vets do? You pet lovers will learn about grooming and routine care as well as meet some of the animal doctors' typical clients. There is always some amazing surprise in this well-loved Talents Academy class.

**Engineering Design/Build (Grades 5-7) 1-2:30 pm • Marty Brandl** 0160.009  
Make your own cardboard chair! Work as teams to sketch chair ideas, make SketchUp drawings to design them. Use tools, measuring and math to build. What makes some structures stronger than others? What are the forces that affect engineered structures?

**C.S.I. Program (Grades 4-6) 1-2:30 pm • Thom Jones** 0160.010  
The Crime Scene Investigation program introduces kids to the fascinating world of forensic sciences used by police, the FBI, and scientists. Learn about types of evidence, use evidence collection equipment/techniques. We conclude with a mock crime scene.

**Just Desserts (Grades 5-8) 1-2:30 pm • Wendy Sullivan** 0160.011  
Are you interested in being a chef or running a restaurant? Food is fun to prepare and to serve. In this class you will work with a trained chef to make fun foods to eat and prepare for special events.

**LEGO Mindstorms Robots (Grades 6-8) 1-2:30 pm • Kelly Schuerman** 0160.012  
Find out why people all over the world are building LEGO robots and taking them into competitions! Teams will use NXT Mindstorms kits to build and program a robot that does what you want it to do. You will design, build and program LEGO robots.



## Connection to real world experts.

## SESSION

**June 15-19**  
\$40 Per Class

**LEGO Free Build (Grades 1-4) 10:30-12 noon • Steve Harrison** 0160.013  
You choose what you want to build from a variety of LEGO plans. You can work as a team or on your own to exercise your building skills. Prerequisite: Building Simple Machines

**Settlers of Catan (Grades 4-6) 10:30-12 noon • Corey Butler** 0160.014  
Explore the world of Catan with this best-selling Board Game of the Year. Discover and settle land and seaports, gather resources, trade with friend and foes, and build roads and settlements. Settlers manages to be effortlessly fun and intuitively enjoyable.

**Digital Shorts (Grades 4-7) 10:30-12 noon • Joel McKinney** 0160.015  
Become director and producer of your own films! Record short movies using a digital camera, then edit your clips and add sound, text, and special effects. Student teams will develop storyboard sequences and dialogue, as well as create simple props.

**Harry Potter Chemistry (Grades 5-8) 10:30-12 noon • Ben Tokheim** 0160.017  
Take a ride on the Hogwarts' Express! Prepare for Daily Double Potions with the newest Hogwarts teacher, Professor Tokheim. Use awesome experiments to emulate difficult concoctions like the *Polyjuice Potion* and the *Sorcerer's Stone*.

**Gamers' Math (Grades 5-8) 10:30-12 noon • Marty Brandl** 0160.016  
It's game time! In this class we will explore real world applications of mathematics in games: Baseball, Billiards, Blackjack, Game shows, and Video games. Decimals, formulas, angles, logic and probability become game theory and a lot of fun game time!

**Just Desserts (Grades 1-4) 1-2:30 pm • Wendy Sullivan** 0160.018  
Are you interested in being a chef or running a restaurant? Food is fun to prepare and to serve. In this class you will work with a trained chef to make fun foods to eat and prepare for special events.

**Harry Potter Chemistry (Grades 3-5) 1-2:30 pm • Ben Tokheim** 0160.019  
Take a ride on the Hogwarts' Express! Prepare for Daily Double Potions with the newest Hogwarts teacher, Professor Tokheim. Use awesome experiments for difficult concoctions like *Polyjuice Potion* and the *Sorcerer's Stone*.

**LEGO Inventions (Grades 3-6) 1-2:30 pm • Steve Harrison** 0160.020  
Explore the fundamental principles of engineering and construction while using LEGO Technic pieces to build cranes, towers, and bridges. Students will build team models that use physical science concepts like forces and motion, simple machines, measurement, energy and magnetism.

**Sci- Fi & Fantasy Writing (Grades 4-7) 1-2:30 pm • Thom Jones** 0160.021  
Science Fiction and fantasy writing gives young writers the opportunity to create their own worlds. We work on outlining the story, developing a unique world, and creating characters. Learn how the story creation process works.

**Photo Fun Time (Grades 4-7) 1-2:30 pm • Marty Brandl** 0160.022  
Turn your photos into incredible artwork with image editing websites such as picnic.com and BeFunky.com. Get creative with effects, fonts, shapes, and frames while cropping images, changing backgrounds, and more! Bring your digital pictures with you.

**Digital Shorts (Grades 6-8) 1-2:30 pm • Joel McKinney** 0160.023  
Become director and producer of your own films! Record short movies using a digital camera, then edit your clips and add sound, text, and special effects. Student teams will develop storyboard sequences and dialogue, as well as create simple props.

**Rock Band (Grades 6-8) 1-2:30 pm • Anna Haecherl-Smith & Ken Smith** 0160.024  
This class gets kids right into bands, writing and recording familiar songs while learning tone, rhythm and understanding what key comes next. It is about having fun playing music in a band, building skills and confidence to perform for an audience. Additional \$20.00 acoustic guitar rental fee for 1 month.



## Active Engagement

# Calendar

## Session 1 June 8-12, 2009

### A.M. CLASSES:

**Everyone Can Draw**  
(Grades 1-4) 9:30- 11 am  
Cat Abbott 0160.001

**Building Tech LEGO**  
(Grades 3-6) 10:30-12 noon  
Steve Harrison 0160.002

**Guitar Hero 4 Real**  
(Grades 4-6) 10:30-12 noon  
AnnaHaecherl-Smith & Ken Smith  
Extra \$20 Guitar Rental 0160.003

**Video Game Design**  
(Grades 5-8) 10:30-12 noon  
Marty Brandl 0160.004

**Hand Built Pottery**  
(Grades 5-8)10:30-12 noon  
Joel McKinney 0160.005

### P.M. CLASSES

**LEGO Boot Camp**  
(Grades 1-4) 1-2:30 pm  
Steve Harrison 0160.006

**Hand Built Pottery**  
(Grades 1-4) 1-2:30 pm  
Joel McKinney 0160.007

**Creatures Great & Small**  
(Grades 3-6) 1-2:30 pm  
Marshall Animal Clinic  
Veterinarians 0160.008

**Engineering Design/Build**  
(Grades 5-7) 1-2:30 pm  
Marty Brandl 0160.009

**C.S.I. Program**  
(Grades 4-6) 1-2:30  
Thom Jones 0160.010

**Just Desserts**  
(Grades 5-8)1-2:30 pm  
Wendy Sullivan 0160.011

**LEGO Mindstorms Robots**  
(Grades 6-8) 1-2:30 pm  
Kelly Schuerman 0160.012

## Session 2 June 15-19, 2009

### A.M. CLASSES

**LEGO Free Build**  
(Grades 1-4) 10:30-12 noon  
Steve Harrison 0160.013

**Settlers of Catan**  
(Grades 4-6) 10:30-12 noon  
Corey Butler 0160.014

**Digital Shorts**  
(Grades 4-6) 10:30-12 noon  
Joel McKinney 0160.015

**Harry Potter Chemistry**  
(Grades 5-8) 10:30-12 noon  
Ben Tokheim 0160.016

**Gamers' Math**  
(Grades 5-8) 10:30-12 noon  
Marty Brandl 0160.017

### P.M. CLASSES

**Just Desserts**  
(Grades 1-4) 1-2:30 pm  
Wendy Sullivan 0160.018

**Harry Potter Chemistry**  
(Grades 3-5) 1-2:30 pm  
Ben Tokheim 0160.019

**LEGO Inventions**  
(Grades 3-6) 1-2:30 pm  
Steve Harrison 0160.020

**Sci-Fi & Fantasy Writing**  
(Grades 4-7) 1-2:30 pm  
Thom Jones 0160.021

**Photo Fun Time**  
(Grades 4-7) 1-2:30 pm  
Marty Brandl 0160.022

**Digital Shorts**  
(Grades 6-8) 1-2:30 pm  
Joel McKinney 0160.023

**Rock Band**  
(Grades 6-8) 1-2:30 pm  
Anna Haecherl-Smith & Ken Smith  
Extra \$20 Guitar Rental  
0160.024

Questions on classes contact

lucy.tokheim@marshall.k12.mn.us • www.talentsacademy.org • 507-537-6767

## 2009 Talents Staff

**Cat Abbott** is a painter trained at SMSU. She exhibits her work regularly in the region and is a member of the board of Marshall Area Fine Arts Center. She enjoys teaching as she remembers how classes and workshops inspired her early interest in art.

**Marty Brandl** is a graduate of SMSU and taught 7th & 8th grade math at Holy Redeemer School. Now he teaches math on-line for Blue Sky Charter School in St. Paul. He has a wide range of computer expertise.

**Corey Butler**, Associate Professor of Psychology at SMSU, has a special interest in board games. He finds the best of the new game designs and enjoys introducing them to other people.

**Steve Harrison**, originally from England, graduated in 1992 from Leeds Metropolitan University with a BS in Construction Management. After working with Group II Architects for years, he is now teaching 5th and 6th grades at Marshall Area Christian School.

**Thom Jones** earned a law degree and has done advanced study in several disciplines. Now he works on writing science fiction, coaching soccer and running Crime Scene Investigation Programs for kids, along with his other work as a homeschooling father.

**Marshall Animal Clinic Veterinarians Pat Bauman, Scott Kueker, Tracy Westegaard and Stacy Lewison** bring a wide range of animal specialist experience to our region. They know how animals fascinate children and offer this opportunity for them see what vets do.

**Joel McKinney** of Blackhawk Studios, Walnut Grove, is an artist and educator across many disciplines. He taught at Northern State University and is now adjunct professor at SMSU. Joel has published for academic journals and has exhibited widely in the region.

**Kelly Schuerman** is a life-long LEGO collector and builder with a passion for plastic bricks. LEGO City, Train, Star Wars and Pirates are among Kelly's favorites. He works as the Network Specialist at SMSU and enjoys working with all sorts of technology and gadgets.

[www.talentsacademy.org](http://www.talentsacademy.org)

**Anna Haecherl-Smith & Ken Smith** are musicians from Marshall, MN. Anna currently teaches drum lessons and Ken teaches guitar at Van's Soundroom. They have 30 years musical experience between them and have played rock n' roll, jazz, acoustic, and experimental music.

**Wendy Sullivan** is a Culinology Major at SMSU and a Student Honor Delegate for the Michael E. Hurst Student Excellence Award. She was a banquet manager for 5 years.

**Ben Tokheim** is a graduate of Carleton College and recently completed a 2-year assignment with Teach for America in Brooklyn, New York, teaching 7th-8th grade science. He would have liked to attend Hogwarts as a student so is happy to serve as a Potions Professor for the Talents Academy.

**Lucy Tokheim** has directed the Marshall School District's Talents Academy since it began in 1998. She is an educator interested in learning experiences that inspire and motivate creativity across a broad range of disciplines. Lucy also works as a design artist with Tokheim Stoneware.



### Group Interaction

*"If I wanted to become a better carpenter, I'd go find a good carpenter, and I'll work with this carpenter on doing carpentry or making things. And that's how I'll get to be a better carpenter. So if I want to be a better learner, I'll go find somebody who's a good learner and with this person do some learning."* Seymour Papert, MIT Expert on children and computing

Some scholarships are available. For more information call (507) 537-6767.

Marshall Summer Talents Academy  
**Hands-On Brains-On**  
Register online at Marshall Community Services at [www.marshallmn.com](http://www.marshallmn.com), by phone 507-537-6767 or stop in at Community Services.  
Classes at the Marshall Middle School  
401 S. Saratoga  
[www.talentsacademy.org](http://www.talentsacademy.org)



## Marshall Summer Talents Academy



Marshall Community Services  
344 W. Main St.  
Marshall, MN 56258

**Session 1 June 8-12, 2009**  
**Session 2 June 15-19, 2009**

**Parents!** Invest in your child's 21st century skills: Classes rich in arts, science, mathematics and project skills using interests that students bring.

**Kids!** Grades 1-8....Exercise your problem solving skills: Jump into a Talents class, it's like a trampoline with a learning bounce!

Non-Profit  
U.S. POSTAGE  
**PAID**  
Marshall, MN  
56258  
Permit #154