



# Carolina Trackout Science & Math Academy

## Announces

### Summer Camps

#### *2010 Summer Camp Schedule*

*Mon.-Fri. 9:00 AM - 5:00PM*

**Camp Director:** Shobha Kamath; Phone: (919) 244 4436 or (919) 719 5225

**Location:** 2000 Bearcat Way, Suite 101, Morrisville, NC 27560

**URL:** [www.carolinatrackout.com](http://www.carolinatrackout.com)

*(Owned and Operated By Carolina Trackout LLC)*

**All camps include: Science, Math, Art, Research, Technology,  
Spanish/German, Indoor or Outdoor Sports**

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#### 06/07/10 - 06/10/10 **Robotics Week**

Ages 6-14 – Intro to Robotics (Prerequisite for camp on 07/12/10 for Ages 11-15 Build Your Own Robot).

Note: This class has an additional materials charge of \$20 to cover the cost of the take home robot.

Description: Robotics Week will feature the study of several electronic circuits. The campers will learn about the basics of Robotics software and hardware. Campers will also build take home ROBOTS. Also, Math sessions will be geared towards preparation for Camper's next grade.

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#### 06/14/10 - 06/18/10 **Laws Of Motion Week**

Ages 6-14 - Forces and Newton's Laws of Motion

Description: Newton's Laws of Motion Week will feature several experiments in Physics. Campers will learn effects of forces and Newton's Laws of Motion. Also, Math sessions will be geared towards preparation for Camper's next grade.

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#### 06/21/10 – 06/25/10 **Magnetism & Electricity Week**

Ages 6-14

Magnetism and Electricity

Description: Magnetism and Electricity Week will feature the study of magnetic properties, static electricity and electric and electronic circuits. The campers will learn about the mapping skills. Campers will be sent on a treasure hunt and a world trip with a magnet. Also, Math sessions will be geared towards preparation for Camper's next grade.

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#### 06/28/10 – 07/02/10 **Animal Engineering Week**

Ages 6-14

Wild Life and Animal Engineering

Description: Explore the 5 groups of vertebrates and the campers will get to meet and touch a variety of animals. Create a new animal when the characteristics of 2 different animals were combined. Also,

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Math sessions will be geared towards preparation for Camper's next grade.

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**07/05/10 – 07/09/10 Science in Cooking Week**

Ages 6-10

Description: Science in Cooking Week will feature importance of eating right food and several Science experiments to prove it. Also, Math sessions will be geared towards preparation for Camper's next grade.

07/05/10 - 07/09/10

**Ages 11-15 Computer Technology Week**

Note: If 10-15 year old is interested in cooking class, they will be allowed to switch to that session.

Computer Technology (Visual Basic Programming)

Description: Computer Technology Week will feature 10 hours of VisualBasic.Net Programming and several Science experiments. Also, Math sessions will be geared towards preparation for Camper's next grade.

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**07/12/10 – 07/16/10 Astronomy Week**

Ages 6-10

Astronomy

Description: Astronomy Week will feature several experiments depicting the Solar System and learning about planets. Also, Math sessions will be geared towards preparation for Camper's next grade.

**07/12/10 – 07/16/10 Robotics II Week**

Ages 11-15

Build your own Robot 2

Note: This class has an additional materials charge of \$30 to cover the cost of the robot.

Description: The ultimate summer Robotics camp is a fun and creative learning experience for children. Campers will explore and experience a world without limits in our high-tech, interactive Robotics Camp that stimulates the imagination. Also, Math sessions will be geared towards preparation for Camper's next grade.

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**07/19/10 – 07/23/10 Engineering Week**

Ages 6-14

Build an elevator model

Description: Building a model elevator is a great way to have fun with the children and to educate them at the same time. This may seem like an expensive undertaking, but this is not the case. You can make your own model elevator from inexpensive items found around the house. Also, Math sessions will be geared towards preparation for Camper's next grade.

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**07/26/10 – 07/30/10 Chemistry Week**

Ages 6-14

Crazy Goopy Slime Chemistry

Description: Take a walk on the wild side as we explore fun science topics! Investigate the world of frogs, snakes, whales, iguana, turtles, and more. Take a close-up look at whales teeth, make goopy slime, and much more! Also, Math sessions will be geared towards preparation for Camper's next grade.

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08/02/10 – 08/06/10 – **Rockets & Spaceships Week**

Ages 6-15

Build a model rocket

Description: From our Earth's atmosphere to the outer reaches of our solar system, this hands-on program sends budding Scientists on a quest for exploration. Comets, planets, stars and more are all waiting to be discovered. Learn about the four forces of flight and launch your own rocket! Also, Math sessions will be geared towards preparation for Camper's next grade.

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08/09/10 **Computer Technology Week – Website Building**

Ages 6-15

Learn to build your website with HTML

Note: Bring your own laptop if possible

Description: HTML markup language: - Basic text formatting (paragraphs, headers, bulleted lists, fonts & colors), Structure of a page (header, footer, body), Adding images to a web page, Hyperlinks and Adding images to a web page Also, Math sessions will be geared towards preparation for Camper's next grade.

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08/16/10 – 08/20/10 **Rockets & Spaceships II Week**

Rockets and spaceships

Ages 6-10

Description: Learn principles behind the rockets and spaceships and then design and create your own rockets. Also, Math sessions will be geared towards preparation for Camper's next grade.

08/16/10 – 08/20/10 – **Computer Technology Week II – Video Games**

Introduction to Video game design

Note: Must bring your own laptop

Ages 11-15

Description: Everyone knows how to play a video game, but not everyone can design a video game! Learn how to imagine, plan, design, and create your own 2-D computer game using Game Maker software. Campers take home a CD with the trial version of the Game Maker software to continue their game-making skills after camp is over! Also, Math sessions will be geared towards preparation for Camper's next grade.

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