SIEAMChess

STEM Summer Camp July 8 – July 26



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www.steamchess.com



SI EAMChess Camps

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littleBits

- Coding
- Electronics
- Engineering
- Invent

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little

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- Create
- Design
- Experiment

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Outdoor Sports & Water Fun

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Science of Building

- Engineering
- Bridges
- Catapults
- Sky Scrapers
- BIG Structures...

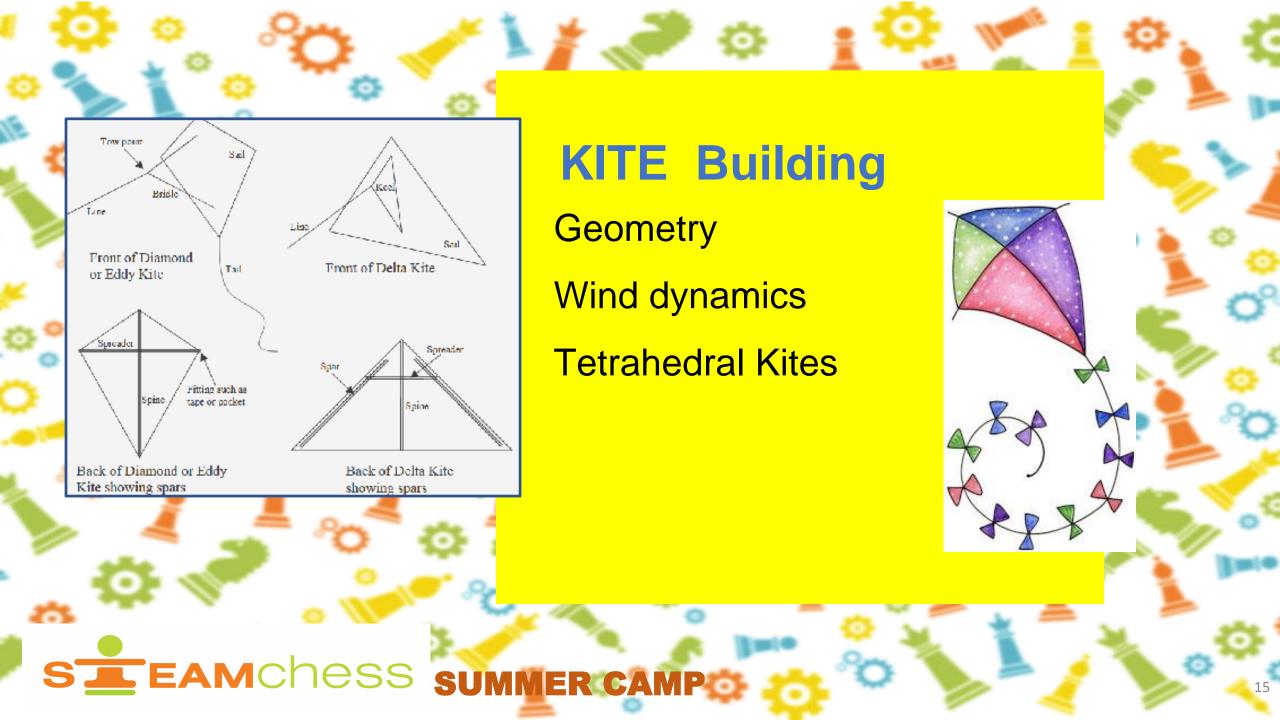
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Science of Building

- Kites
- Windmills
- Catapults
- Skyscrapers
- Bridges

BIG structures!

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Outdoor Sports & Water Fun

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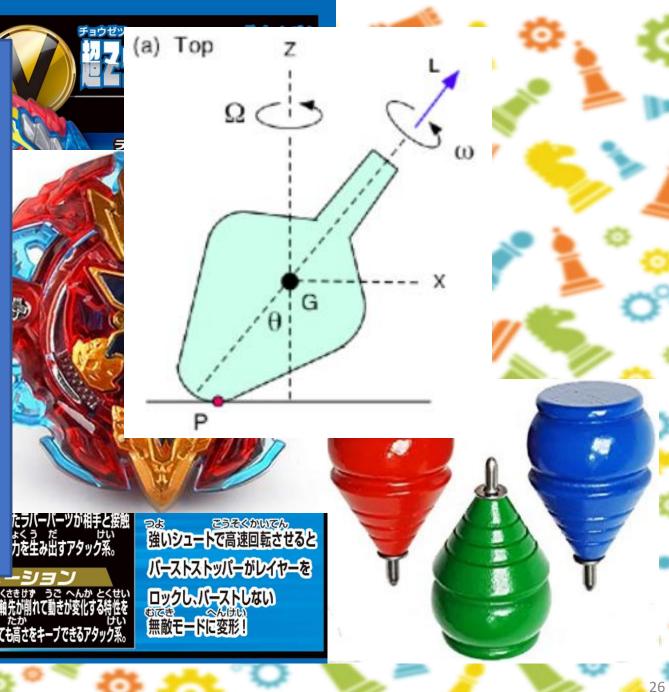






Science of Spin

- Momentum
- Spin
- Gravity
- Centripetal force
- Issac Newton



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MIT GameMaker

SCRAT

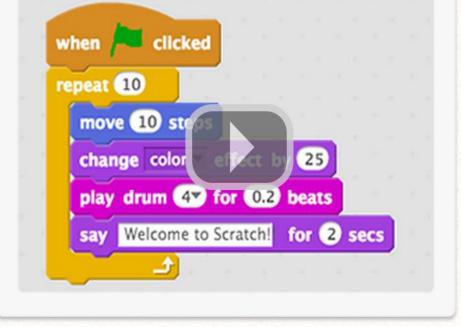
- Coding
- Design Games
- Visual Logic
- Animation
- Creativity

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Create stories, games, and animations Share with others around the world





A creative learning community with **5,517,281** projects shared

TOP FOUNT TOPOL FOR DUPELITO

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Programming is an Art

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python <CODING>

- Programming
- Games Development
- Arduino Interface
- littleBits
- Artificial Intelligence
 - **Applications**

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INTRODUCTION TO PYTHON

Python is a high level programming language that is very powerful

OUTPUT TEXT

print("Hello")

Your program can output simple text Strings by putting them in between Quotes

> Naming variables then setting them to a value using = means we can use the name later to call the value that we set

You can change the value of a variable but not the type of data

OTHER VARIABLE TYPES

varChar = 'a' varString = "Hi" varInt = 21varReal = 7.3varBool = True

OUTPUT NUMBERS

print(1234)

Numbers can be typed in without anything to enclose them

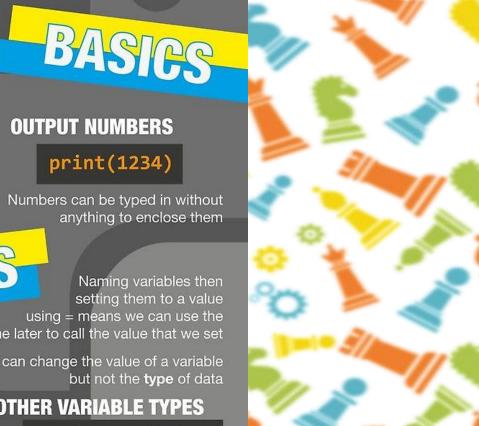
VARIABLES

STORE & USE TEXT varHi = "Hi" print(varHi)

changes the value of a variable

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35



