(ISC)^2 Ethics: PAPA = **P**rotect, **A**ct, **P**rovide, **A**dvance.
CIA: Confidentiality, **I**ntegrity, **A**vailability (opposite of **DAD**).
Due Diligence: Do Detect | **Due Care:** Do correct.
Security Labels: *"U Should Count Six Tauntauns"* = **U**nclassified, **S**ensitive But Unclassified, **C**lassified, **S**ecret, **T**op Secret.
Defense in Depth: Layering, or Onion defense.

Security through obscurity: Data Hiding.
RMF: *"Crime Scene Investigators Always Act Modestly"* = **C**ategorize, **S**elect, **I**mplement, **A**ssess, **A**uthorize, **M**aintain.

COBIT: Has IT in it; IT governance.

Quantitative Risk Analysis:
ALE= SLE x ARO: *ArROw SLEd* = ALE is beer, so "A Drunk guy shooting arrows on a sled".
SLE = AV x EF: (Mario saying): "I've got something up my **sleav-ef**".
ISO: *"Raging Crackheads Risk Health"* = Requirements, Code of practice, Risk Management, Health (ISO27001, 27002, 27005, 27799).

Security Models: Simple/**R** = read ; */**W** = write ; **U** = UP ; **D** = DOWN
Bell LaPadula: Confidentiality – Simple **N R U** || * **N W D** || Strong * **N R/W** U/D.
Biba: Integrity – Simple **N R D** || * **N W U** || Invocation **N R/W U**.

Access Control types: 2C - 3D - PR = **c**orrective **c**ompensating, **d**etective **d**eterrent **d**irective, **p**reventative **r**ecovering.
Hashing: HA or **MD** in the name.
Asymmetric: ***DEREK-Q*** = **D**iffie, **E**l Gamal, **R**SA, **E**CC, **K**napsack, **Q**uantum.
Symmetric: 23BRAIDS = **2**fish, **3**DES, **B**lowfish, **R**C5, **A**ES, **I**DEA, **D**ES, **S**kipjack.

Ciphers: Stream = RC4 / Block - Everything else.
Fire Extinguisher Classes: A (Ash) Combustible, **B** (Boil) Liquid, **C** (Current) Electrical, **D** (Dent) Metal, **K** (Kitchen) Oil/Fat.
CPU Pipelining order: FDEW = **F**etch, **D**ecode, **E**xecute, **W**rite.

OSI Model:
Physical, **D**atalink, **N**etwork, **T**ransport, **S**ession, **P**resentation, **A**pplication.
Layer 1-7: Please **D**o **N**ot **T**hrow **S**ausage **P**izza **A**way.
Layer 7-1: All **P**eople **S**eem **T**o **N**eed **D**ata **P**rocessing.
TCP/IP Model:
NITA - **N**etwork access, **I**nternet, **T**ransport, **A**pplication.

Threat Modeling:
STRIDE: **S**poofing, **T**ampering, **R**epudiation, **I**nformation disclosure, **D**oS, **E**scalation of privilege.
DREAD: **D**amage, **R**eproducibility, **E**xploitability, **A**ffected users, **D**iscoverability.
4 Ds of Physical Security: **D**eter → **D**eny → **D**etect → **D**elay.
Evaluation Assurance Level (EAL):
FSMM-SSF: **F**or **S**ure **M**y **M**other-**S**o **S**weet **F**orever.
Fun **S**tress **M**ethod **M**edical-Doctors **S**eem **S**omewhat **V**erifiably **F**oolish.
Functionally, **S**tructurally, **M**ethodically, **M**ethodically Designed, **S**emi-formally, **S**emi-formally Designed, **V**erified, **F**ormally Verified.
Multi-Factor Authentication:
Something you **know**, something you **have**, something you **are**.
Incident Response Forensics: PDRMR3L = **P**repare, **D**etect, **R**esponse, **M**itigate, **R**eporting, **R**ecovery, **R**emediation, **L**esson Learned.

IDEAL: **I**nitiating, **D**iagnosing, **E**stablishing, **A**cting, **L**earning.
DHCP: DORA - **D**iscover, **O**ffer, **R**equest, **A**CK.

The Ring Model: -**VM KODU** = -1 VM hosts, 0 Kernel, 1 Operating System, 2 Drivers, 3 User.
TCP Header Flags: **U**RG **A**CK **P**SH **R**ST **S**YN **F**IN = **Unskilled Attackers Pester Real Security Folks**

Digital forensics model: I Prefer **C**offee **E**verytime **A**nyone **P**rovides **D**onuts = **I**dentification, **P**reservation, **C**ollection, **E**xamination, **A**nalysis, **P**resentation, **D**ecision.
Change Management Steps: RRA/RTID **R**equest, **R**eview, **A**pprove or **R**eject, **T**est, **I**mplement, **D**ocument.
The 7 steps of a cyber-attack: RSA ESA O = **R**econnaissance, **S**canning, **A**ccess and Escalation, **E**xfiltration, **S**ustainment, **A**ssault, **O**bfuscation.
BCP Steps: BCP policy → BIA → Identify preventive controls → Develop recovery strategies → Develop DRP → DRP training/testing → BCP/DRP maintenance

SW-CMM: I Ran **D**own **M**y **O**strich = **I**nitial, **R**epeatable, **D**efined, **M**anaged, **O**ptimized.
SDLC1: IDIOD - Don't be an **IDIOD** = **I**nitiation, **D**esign, **I**mplement, **O**perations, **D**isposal.
SDLC2: *"I Reckon All Dem Dere Taters' Really Delicious"* = Initiation, Requirements, Architecture, Design, Develop, Testing, Release, Disposal.
ACID: **A**tomic, **C**onsistency, **I**solation, **D**urability.