

[MUSIC]

[Pop captions up]

**Alex Lindsay:** HEY THIS IS  
ALEX LINDSAY AND I'M GONNA SHOW  
YOU HOW TO NOODLE.  
I MEAN NOODLE IN PHOTOSHOP  
RIGHT HERE ON "THE LAB WITH LEO LAPORTE".

[MUSIC]

[Beeping]

[MUSIC]

**Leo:** HEY HOW ARE YOU?  
GOOD TO SEE YOU, WELCOME  
IT'S TIME FOR "THE LAB".  
I'M LEO LAPORTE.

[Pop captions up]

**Leo:** THIS IS "THE LAB"!  
AND WE'RE SO GLAD YOU'RE HERE.  
WE'RE GONNA TALK ABOUT  
TECHNOLOGY TODAY.  
EVERY KIND OF TECHNOLOGY, WE'LL  
HELP YOU USE IT.  
HELP YOU BUY IT, HELP YOU ABUSE  
IT IF YOU WANT TO, HELP YOU  
THROW IT OUT WHEN YOU'RE DONE.  
LADIES AND GENTLEMEN THE LOVELY  
KATE ABRAHAM.

**Kate:** HELLO THERE.

**Leo:** HOW ARE YOU TODAY?

**Kate:** I'M SUPERB THANK YOU.

**Leo:** SUPERB!

**Kate:** SUPERB.

**Leo:** SO 171 WOW, ALEX LINDSAY'S BACK.

[Pop captions down]

**Kate:** YEAH.

**Leo:** HE COMES UP FROM SAN FRANCISCO TO TALK ABOUT PHOTOSHOP AND YOU KNOW AND 3-D AND STUFF.

**Kate:** MMM-HMM.

**Leo:** HE'S I DON'T KNOW WHAT NOODLING IS --

**Kate:** NOODLE.

**Leo:** BUT WE'LL FIND OUT.

**Kate:** OKAY.

**Leo:** IS IT NOODLE OR NODAL?

AHH IT'S BOTH, OKAY.

JACOB TRAN IS BACK, IVAN TUNG TOO, DESIGN YOUR OWN XBOX 360 LIVE GAME.

**Kate:** SOUNDS GOOD.

**Leo:** LAST TIME HE WAS HERE I THINK HE SHOWED US PS3 STUFF.

**Kate:** I THINK THE WII IS THE ONE HE DID BEFORE.

**Leo:** OH HE DID WII.

**Kate:** DIDN'T HE DO THE CHICKEN ONE WITH THE WII?

**Leo:** YEAH THE CHICKEN WITH THE WII.

**Kate:** YEAH.

**Leo:** YEAH.

HE TEACHES THIS AND IT'S

REALLY, IT'S REALLY COOL.

**Kate:** IT'S SO COOL.

**Leo:** I MEAN IT'S, IT'S NEAT  
TO SEE WHAT THE STUDENTS ARE  
ABLE TO DO.

RICK YAEGER ALSO.

**Kate:** MMM-HMM.

**Leo:** ON CASES PROTECTIVE  
CASES FOR YOUR LAPTOP COMPUTER.

**Kate:** YEAH WITH THE GLASSES?  
HE'S GOT DARK GLASSES.

**Leo:** YEAH AND HE'S GOT A  
SHIRT THAT SAYS GEEK AND HE'S  
GOT THE GEEK GLASSES.

**Kate:** I KNOW.

**Leo:** HE'S GOING FOR A LOOK HERE.

**Kate:** HE IS.

**Leo:** HE'S GOING FOR A LOOK.

**Kate:** HE'S PULLING IT OFF AS WELL.

[Leo laughing]

**Leo:** ANYWAY WE'VE GOT LOTS OF CALLS.

**Kate:** YES.

**Leo:** LET'S GET TO OUR FIRST  
CALL OF THE DAY.

WHO DO YOU HAVE FOR ME?

**Kate:** WE ARE HEADING TO A  
VERY SNOWY COLLINGWOOD IN  
ONTARIO AND WE HAVE CURTIS.

**Leo:** ALL RIGHT. HELLO CURTIS.

**Curtis:** HELLO LEO, HOW ARE YOU?

**Leo:** A BIG STORM CAME IN  
TODAY DIDN'T IT?

[Pop captions up]

**Curtis:** YEAH WE GOT A LITTLE  
BIT OF SNOW TODAY.

**Leo:** THEY WERE SAYING 30  
CENTIMETRES IN TORONTO.

**Curtis:** YEAH.  
WELL I'M, I'M A GOOD TWO HOURS  
NORTH OF TORONTO SO --

[Both talking at once]

**Leo:** SO IT'S WORSE.  
WHATEVER THEY GET YOU GET DOUBLE.

**Curtis:** YEAH USUALLY.

**Leo:** YEAH WELL I HOPE YOU'RE  
INSIDE, YOU GOT A NICE FIRE IN  
THE FIREPLACE.

**Curtis:** OH YEAH.

**Leo:** AND I'M GLAD, I'M GLAD  
YOU'RE WATCHING THE SHOW.  
WHAT CAN I DO FOR YOU TODAY?

**Curtis:** ACTUALLY I HAVE A QUESTION.  
I GOT A PS3 FOR CHRISTMAS AND  
I'M WANTING TO HOOK IT UP TO MY  
NETWORK SO I CAN ACCESS MY  
MUSIC AND MOVIES OFF MY  
COMPUTER IN MY BEDROOM.

**Leo:** YES.  
AH THAT'S AH THAT'S, THAT'S  
ABSOLUTELY WHAT THE PS3 IS  
DESIGNED TO DO.  
BOTH XBOX 360 AND THE PS3 HAVE  
MEDIA CONNECTORS TO MAKE IT SIMPLE.

**Curtis:** YEAH.

**Leo:** YOU CAN EVEN TRANSFER FILES OVER.  
BUT THE THING I LIKE ABOUT THE

XBOX IS IT REALLY SONY I MEAN  
THE PS3 SONY HAS REALLY DONE A  
GOOD JOB OF SUPPORTING CODEKS.

[Pop captions down]

**Leo:** IT SUPPORTS YOU KNOW  
ALL KINDS OF VIDEO INCLUDING H.264.  
THEY JUST ANNOUNCED DIVX SUPPORT.  
I MEAN THAT'S REALLY GREAT.  
IT MEANS ALMOST ANYTHING ON  
YOUR PC YOU'LL BE ABLE TO PLAYBACK.  
AUDIO OF COURSE IS NO, NO PROBLEM.  
UM YOU KNOW ITS FUNNY I HAVE A  
PS3 AND I'VE NEVER TRIED TO DO THIS.  
I, I THINK --

**Curtis:** WELL IT'S REALLY  
SORRY, THE ONLY PROBLEM I WAS  
GONNA SAY I WAS HAVING WAS LIKE  
I HAVE MY PS3.  
IT'S READING, IT'S READING LIKE--

[Both talking at once]

**Leo:** IT CAN SEE MOST OF IT RIGHT?

**Curtis:** READING --

**Leo:** YEAH.

**Curtis:** SORRY?

**Leo:** IT CAN SEE MOST OF WHAT  
YOU'VE GOT RIGHT?

**Curtis:** WELL ACTUALLY IT  
CAN'T SEE THE FILES.  
BUT IT CAN SEE THE COMPUTER ITSELF.  
LIKE IT SEES THAT THE  
COMPUTER'S THERE BUT IT JUST  
WHEN I GO INTO IT, IT SAYS  
THERE'S NO FILES THERE.

**Leo:** OKAY SO HUH I WISH I  
WERE MORE EXPERT ON HOW TO DO THIS.  
I HAVEN'T YOU KNOW I HAVEN'T SET THIS UP.  
UM IT SOUNDS TO ME LIKE IT'S,  
WHAT'S LIKELY GOING ON IS THAT  
YOU'VE GOT SOME SECURITY  
SOFTWARE ON YOUR PC THAT'S  
BLOCKING ACCESS TO THOSE FILES.

**Curtis:** OKAY.

**Leo:** UM IT'S NOT SEEING ANY  
FILES OR, IS IT SEEING FOLDERS?

**Curtis:** WELL YEAH, YEAH IT'S  
SEEING THE FOLDERS.  
BUT ANOTHER PROBLEM I ALSO HAVE  
IS GETTING LIKE I ONLY HAVE A  
FEW SONGS IN WINDOWS, IN  
WINDOWS MEDIAPLAYER RIGHT NOW  
CAUSE I USE MAINLY ITUNES CAUSE  
I HAVE AN IPOD.

**Leo:** RIGHT.

**Curtis:** SO IT'S NOT, I THINK I --

**Leo:** IT WON'T BE ABLE TO  
PLAY I'M SORRY TO SAY IT WON'T  
BE ABLE TO PLAY THOSE ITUNES SONGS.

**Curtis:** YEAH I KNEW IT  
WOULDN'T BE ABLE TO PLAY THE  
ITUNES FILES.

**Leo:** YEAH, YEAH.  
BUT I, BUT IT SHOULD BE ABLE TO  
PLAY YOU KNOW ANYTHING THAT'S  
UNPROTECTED.

**Curtis:** MMM-HMM.

**Leo:** UM I'M TRYING TO

REMEMBER WHAT THE YOU KNOW I APOLOGIZE.

I'M NOT, I'M NOT AS UP TO DATE  
ON THIS AS I, AS I, AS I OUGHT TO BE.  
THERE IS YOU KNOW IS THERE  
SOFTWARE YOU RUN ON YOUR PC TO  
DO THIS OR DOES IT JUST SEE IT  
AUTOMATICALLY?

**Curtis:** WELL I, I DID LOOK  
FOR SOME FORUMS ON THE INTERNET  
AND FOUND THAT IT SHOULD BE,  
ALL I HAD TO DO WAS ENABLE THE  
FILE SHARING.

**Leo:** IT'S FILE SHARING, YEAH  
THAT'S WHAT I THOUGHT YEAH.

**Curtis:** AND, AND THEN IT WORKED.  
THE PROBLEM IS I JUST CAN'T SEE  
THE FILES THEMSELVES.

**Leo:** SO YOU'RE SHARING YOU  
KNOW YOU'RE SHARING THAT FOLDER?

**Curtis:** YEAH.

**Leo:** OKAY.

SO THERE'S A COUPLE, THERE'S A  
LOT OF DIFFERENT THINGS IT, IT  
COULD BE.

THIS IS, THIS IS KIND OF A  
LARGER CLASS OF PROBLEMS THAT  
PEOPLE HAVE WHICH IS SEEING,  
SEEING FILES ON ONE PC FROM  
ANOTHER OR FROM A MAC OR FROM A  
PS3 OR FROM A VARIETY OF  
DIFFERENT THINGS.

AND WHAT USUALLY ENDS UP  
HAPPENING IS ITS EITHER SOME

SECURITY SOFTWARE YOU'RE RUNNING.

SO I WOULD TAKE A LOOK AT IF  
YOU'VE GOT DO YOU HAVE NORTON  
INTERNET SECURITY, NORTON 360, MCAFEE?

**Curtis:** WELL ACTUALLY I HAVE AVG.

**Leo:** AVG'S ALL RIGHT.

THAT'S JUST THE, THE IT'S NOT  
THE FIREWALL.

IT'S JUST THE, THE ANTI-VIRUS RIGHT?

**Curtis:** YEAH.

**Leo:** YEAH THAT'S NOT GONNA  
CAUSE A PROBLEM.

IT'S THE FIREWALL THAT'S GONNA  
BLOCK IT.

YOU MIGHT TURN OFF THE WINDOWS  
FIREWALL, NOT PERMANENTLY.

BUT JUST TO TEMPORARILY SEE IF  
THAT HELPS THE FILE SHARING.

**Curtis:** TURN IT OFF?

**Leo:** UM MAKE SURE THAT THE  
FILE SHARING'S TURNED ON.

AND CAN YOU SEE THOSE FILES  
FROM ANOTHER PC?

HAVE YOU TRIED THAT?

**Curtis:** I'VE NEVER ACTUALLY TRIED IT.

**Leo:** YEAH.

**Curtis:** THE ONLY ONE THAT  
REALLY USES OUR COMPUTER IS MY  
SISTER AND SHE'S NEVER HOME SO.

**Leo:** THEY, THEY ALSO HAVE TO  
BE ON THE SAME WORKGROUP OR THE  
SAME YOU KNOW DOMAIN.

THE DEFAULT NAME IS WORKGROUP.

**Curtis:** OKAY.

**Leo:** MAKE SURE IT STAYS THAT  
AND THAT, THAT YOU'RE USING THE SAME ONE.  
THEY HAVE TO BE ON THE SAME SUBNET.  
YOU CAN'T HAVE A SWITCH IN  
BETWEEN THEM OR A ROUTER IN  
BETWEEN THEM.  
IS IT WIRELESS?

**Curtis:** YEAH WELL THE MY COMPUTER'S WIRED.  
THE PLAYSTATION IS WIRELESS.

**Leo:** RIGHT AND YOU HAVE A  
WIRELESS ROUTER RIGHT?

**Curtis:** YEAH WE HAVE A  
WIRELESS ROUTER YEAH.

**Leo:** AND SO YOUR COMPUTER'S  
PLUGGED INTO THE WIRELESS ROUTER.

**Curtis:** YEAH.

**Leo:** UM YOU KNOW THIS IS  
JUST IT'S, IT'S ONE OF THOSE  
THINGS WHERE YOU MESS WITH IT,  
YOU MESS WITH IT, FINALLY IT WORKS.  
THEN YOU DON'T TOUCH IT BECAUSE  
IT'S ALL WORKING PROPERLY.  
ARE YOU USING WPA OR WEP SECURITY?

**Curtis:** UM NO.

**Leo:** OKAY.

UM --

**Curtis:** OR NOT THAT I'M AWARE OF.  
HOW ABOUT THAT?

**Leo:** I WOULD CHECK.

**Curtis:** OKAY.

**Leo:** IT SUPPORTS THOSE.  
BUT YOU HAVE TO USE IF YOU, IF

YOU, YOU KNOW YOU MAKE SURE THE  
FIRE, YOU HAVE THE PROPER PASSWORD.  
ALTHOUGH THE FACT THAT YOU'RE  
SEEING THE COMPUTER TELLS ME  
THAT EVERYTHING IN, IN THAT  
REGARD IS WORKING FINE.

IT'S JUST SEEING THOSE  
INDIVIDUAL FILES.

I WOULD CHECK YOUR FILE SHARING  
AND MAKE SURE THERE'S A REALLY  
GOOD, I POINT PEOPLE TO THIS  
ALL THE TIME, IT'S  
PRACTICALLYNETWORKED.COM.

**Curtis:** OKAY.

**Leo:** AND THAT IS A REALLY  
GOOD SITE TO HELP YOU DO THINGS  
LIKE FILE SHARING.  
IT'S GOT A TROUBLESHOOTER IN IT.  
UM I DON'T KNOW IF THEY FOCUS  
SPECIFICALLY ON PS3.

[Pop captions up]

**Leo:** BUT IT'S CERTAINLY GOT  
ENOUGH TROUBLESHOOTERS IN THERE  
TO HELP YOU.

**Curtis:** OKAY.

**Leo:** AND I THINK THAT WOULD  
BE A GOOD PLACE TO GO.

[Blank for boards]

**Curtis:** ALL RIGHT PERFECT.

**Leo:** SORRY I'M NOT MUCH MORE  
HELP ON THAT CURTIS.

[Pop captions down]

[Both talking at once]

**Leo:** IT'S ONE OF THOSE THINGS.  
IT'S HARD FOR ME TO SAY WHAT'S WRONG.  
IF I WERE SITTING THERE WE  
COULD TRY SOME THINGS.  
BUT IT'S VERY DIFFICULT TO SAY  
BY REMOTE CONTROL WHAT'S WRONG.

**Curtis:** RIGHT.

**Leo:** BUT THAT IS A CATEGORY,  
I MEAN THERE'S A LOT OF  
PROBLEMS IN GETTING FILE  
SHARING WORKING.  
THE GOOD NEWS IS ONCE YOU GET  
IT WORKING IT LIKES WORKS FOREVER.  
IT'S JUST GETTING IT WORKING  
THE FIRST TIME.

ARE YOU READY TO NOODLE?

[Pop captions up]

**Leo:** LET'S NOODLE.

THANK YOU.

**Curtis:** THANK YOU.

**Leo:** ENJOY THE SNOW.

I SEE SNOW ON HIS SCREEN.  
YOU THINK THERE'S SNOW ON SKYPE  
BECAUSE THERE'S SNOW IN  
COLLINGWOOD?  
I, I THINK THAT'S PROBABLY THE CASE.  
I MIGHT, I MIGHT BE WRONG.  
I COULD BE WRONG.  
LET'S NOODLE WITH PHOTOSHOP.  
WE'RE GONNA NOODLE WITH NODAL,  
WHATEVER THAT IS.

WHEN "THE LAB" CONTINUES, ALEX  
LINDSAY, YOU STAY RIGHT HERE.

[Pop captions down]

[MUSIC]

[Commercial break]

[MUSIC]

**Leo:** WELCOME BACK TO "THE LAB".  
BY THE WAY BOB OUR PLAY TASTER,  
PLAY TASTER, PLAY TESTER IN THE  
OTHER ROOM HE SPENDS A LOT OF  
TIME WITH FILE SHARING AND PS3.  
HE SAID YOU DO HAVE TO HAVE  
THERE'S A SPECIFIC NAME FOR  
THAT PS3 FOLDER.  
WE'RE GONNA SEAN TO LOOK THAT UP.  
IT'S LIKE THE PSP.  
YOU KNOW THE PSP WAS THE SAME WAY.  
IT HAD TO BE NAMED A SPECIFIC  
THING SO WE'LL FIND OUT WHAT  
EXACTLY THAT NAME IS.  
THAT MIGHT BE THE PROBLEM FOR  
OUR LAST CALLER.  
ALEX LINDSAY'S HERE.  
HE'S FROM THE PIXELCORPS,  
PIXELCORPS.COM.  
HE IS AN EXPERT ON PHOTOSHOP,  
3-D GRAPHICS DESIGN, CONTENT  
CREATION, WORKED ON "STAR WARS"  
FOR LUCAS AND NOW HE'S GONNA  
SHOW US HOW TO NOODLE IN PHOTOSHOP.  
**Alex Lindsay:** YOU LIKE THAT.  
**Leo:** WHAT IS NOODLING?  
YOU LIKE THAT.  
WELL PHOTOSHOP'S FUN THAT WAY.  
**Alex Lindsay:** IT IS.

**Leo:** I MEAN YOU CAN PLAY  
WITH IT, YOU CAN DRAW --

**Alex Lindsay:** YEAH, YEAH.

**Leo:** YOU CAN DO A LOT OF  
NEAT STUFF.

[Pop captions up]

**Alex Lindsay:** WELL WHAT  
WE'RE TALKING ABOUT WITH  
NOODLING IS, IS THAT THERE IS  
PHOTOSHOP IS YOU KNOW A GREAT  
APPLICATION BUT IT'S BASED ON  
ALWAYS ON LAYERS.

**Leo:** RIGHT.

**Alex Lindsay:** OKAY SO I --

[Pop captions down]

**Leo:** AND WE'VE LEARNED THAT.  
I MEAN EVERY TIME YOU COME IN --

**Alex Lindsay:** YEAH --

**Leo:** AND ALL YOU PHOTOSHOP  
EXPERTS SAYS LAYERS, LAYERS, LAYERS!

**Alex Lindsay:** AND SO YOU'RE  
ALWAYS ADDING THESE LAYERS.

**Leo:** RIGHT.

**Alex Lindsay:** BUT WHAT IF  
YOU WANT TO USE THIS LAYER IN  
FOUR DIFFERENT PLCS?

[Pop captions up]

**Alex Lindsay:** OR WHAT IF YOU  
WANT TO YOU KNOW KIND OF HAVE  
IT OPEN-ENDED ARCHITECTURE.  
IMAGINE YOU KNOW SO, SO THE  
THING IS THAT RIGHT NOW THE  
LAYERS ARE REALLY USEFUL

BECAUSE YOU CAN STACK EM UP.

**Leo:** YEAH.

[Pop captions down]

**Alex Lindsay:** BUT THEY'RE  
ALSO VERY NODAL.

THERE, THERE THIS LAYER IS  
INFECTING EVERYTHING.

[Both talking at once]

**Leo:** YEAH -- RIGHT YEAH.

**Alex Lindsay:** YOU'RE IN THIS  
PLACE AND YOU'RE ONLY IN THIS PLACE.

**Leo:** RIGHT AND THE ORDER OF  
THE LAYERS IS EVERYTHING AND YEAH.

**Alex Lindsay:** EXACTLY.

SO IN HIGH-END COMPOSITING SO  
WHEN WE'RE WORKING ON BIG FILMS  
AH WE TEND TO USE SOMETHING  
THAT'S MORE ITS, ITS CALLED A  
NODAL BASED COMPOSITE.

**Leo:** SHAKE DOES THAT RIGHT?

**Alex Lindsay:** SHAKE IS A, A  
NODAL BASED COMPOSITOR.

THERE'S A CONFUSION --

**Leo:** SO IT'S, SO IT'S  
PROGRAM FLOW AND YOU DRAG  
THINGS AROUND AND YOU SAY APPLY  
THIS, NOW APPLY THIS AND --

**Alex Lindsay:** EXACTLY.

IT'S, IT'S ACTUALLY A LOT LIKE PROGRAMMING.  
AND FOR MANY PEOPLE IT IS IT  
ACTUALLY CAN BE EASIER TO  
UNDERSTAND WHAT YOU'RE DOING.

**Leo:** IT IS FOR ME MUCH EASIER.

**Alex Lindsay:** YEAH IT'S MUCH  
EASIER, MUCH EASIER TO UNDERSTAND.

**Leo:** I GRASPED IT  
IMMEDIATELY COMPARED TO THIS  
AND I'VE NEVER USED SHAKE BUT  
YOU'VE SHOWED US SHAKE.

**Alex Lindsay:** RIGHT.

**Leo:** SO THAT'S HOW I GET IT.

**Alex Lindsay:** SO, SO WHAT WE  
DID IS WE YOU KNOW WE REALLY  
LIKED THAT PART.

**Leo:** RIGHT.

**Alex Lindsay:** BUT WE WORKED  
WITH THE PROGRAMMERS THAT  
WORKED WITH AT LAQUER AND WE  
BUILT A PLUGIN FOR PHOTOSHOP  
THAT GIVES YOU LIKE A LITTLE  
MINI-SHAKE --

**Leo:** OH THAT'S INTERESTING.

**Alex Lindsay:** THAT SITS  
INSIDE OF PHOTOSHOP.

**Leo:** SO TELL US BEFORE WE GO  
MUCH FURTHER WHAT COMPOSITING  
IS AND WHY YOU DO WHAT DO YOU DO?  
WHAT DO YOU DO?

**Alex Lindsay:** WELL  
COMPOSITING IS TAKING ONE IMAGE  
AND JUST MIXING IT WITH ANOTHER IMAGE.

**Leo:** OH OKAY.

**Alex Lindsay:** SO ANYTHING  
YOU DO WHEN YOU'RE TAKING TWO  
DIFFERENT IMAGES AND YOU'RE  
PUTTING THEM TOGETHER YOU'RE COMPOSITING.

**Leo:** IN A MOVIE FOR INSTANCE  
YOU'D HAVE LIVE ACTION AGAINST  
A PAINTED BACKDROP --

**Alex Lindsay:** RIGHT, RIGHT.

**Leo:** THAT WOULD --

**Alex Lindsay:** WELL YOU MIGHT  
HAVE TWO LIVE ACTION.  
YOU MIGHT HAVE A GREEN SCREEN.

**Leo:** RIGHT.

**Alex Lindsay:** SOMEONE COULD  
HAVE A GREEN SCREEN AND WE'RE  
GONNA PUT THEM INSIDE OF, IN  
FRONT OF A VIDEO FIELD.

**Leo:** RIGHT.

**Alex Lindsay:** YOU'RE GONNA --

**Leo:** SO SLIDING THOSE TWO  
TOGETHER IS COMPOSITING?

**Alex Lindsay:** EXACTLY.

**Leo:** OKAY.

**Alex Lindsay:** SO, SO THE UM  
SO WHEN WE ADD THE, ADD THIS  
FILTER WE JUST ADD IT LIKE ANY  
OTHER FILTER.  
SO HERE'S A DV GARAGE CONDUIT  
AND IT'S GONNA POP UP IN YOUR WINDOW.

**Leo:** YEAH DR. KIKI.

[Pop captions up]

**Alex Lindsay:** THERE'S DR.  
KIKI FROM, FROM FOOD SCIENCE.  
AND, AND SO WE HAVE HER HERE.

[Pop captions down]

**Alex Lindsay:** AND HERE IS SO  
NOW WE'RE IN A WHOLE OTHER EDITOR.

**Leo:** THIS DOES LOOK LIKE SHAKE.  
LOOK AT THAT, NOW THIS IS JUST  
A PLUGIN.

**Alex Lindsay:** THIS IS JUST A PLUGIN FOR PHOTOSHOP.

[Pop captions up]

**Alex Lindsay:** SO WHAT, WHAT  
WE'RE GONNA DO NOW IS, IS WE  
CAN GO IN AND FOR INSTANCE WE  
WANT TO PULL OUT WHAT WE CALL A  
COLOUR DIFFERENCE KEY.

THIS IS A PRETTY TYPICAL THING  
THAT WE DO.

[Pop captions down]

**Alex Lindsay:** SO WE'LL DROP  
IT IN THERE AND SO NOW WE'VE  
ADDED THIS RULE THAT SAYS YOU  
KNOW IT, IT BASICALLY SAYS  
SUBTRACT THE RED FROM THE, FROM  
THE GREEN.

**Leo:** RIGHT, NOW SO FAR  
THAT'S KIND OF LIKE A LAYER  
WOULD BE IN PHOTOSHOP.

**Alex Lindsay:** IT IS.

**Leo:** YOU'D PUT A LAYER, A  
LAYER MASK IN RIGHT?

**Alex Lindsay:** RIGHT.

THIS IS WHERE THE THINGS START  
TO GO OFF THE, OFF THE RESERVATION.  
SO WE HAVE UNSPILL.  
UNSPILL ALLOWS US TO REMOVE THE GREEN.  
SO WHAT I'LL DO IS I'LL MOVE, I'LL SAY --

**Leo:** AND NOW WE'RE NO LONGER LINEAR.

**Alex Lindsay:** WE'RE NO LONGER LINEAR.

NOW WE'RE SAYING YOU KNOW I  
WANT TO ACTUALLY CHANGE THE  
FLOW OF THIS ENTIRE THING.  
SO NOW THIS IMAGE HER ORIGINAL  
IMAGE IS GOING TO BOTH THIS AND  
IT'S GOING OVER HERE TO THIS UNSPILL.  
AND THIS UNSPILL WHAT HAPPENS  
IS I CAN, I CAN PULL DOWN THE GREEN.  
I CAN PULL UP THE RED.

**Leo:** NOW WHAT'S THE  
ADVANTAGE OF DOING IT THAT WAY  
AS OPPOSED TO DOING SEQUENTIAL LAYERS?

**Alex Lindsay:** WELL THE MAIN  
THING IS, IS THAT IT GIVES YOU  
A LOT OF FLEXIBILITY THAT I CAN  
KEEP ON COMING BACK TO IT AND  
KEEP ON CHANGING STUFF.

**Leo:** YOU CAN MODIFY EITHER ONE.

**Alex Lindsay:** AND I CAN, I  
CAN LOOK AT SOMETHING FOR  
INSTANCE IF WE GO A LITTLE  
FURTHER FOR YOU KNOW SO IF TAKE  
THIS AND I, AND I, AND I GO  
INTO THE IMAGES AND I SAY YOU  
KNOW I WANT TO, I WANT TO  
CREATE A BETTER MAP.

**Leo:** THIS IS REALLY GREAT.

**Alex Lindsay:** SO I GO I DRAG  
IN HERE AND I GO WHAT I WANT TO  
DO FIRST I WANT TO INVERT IT BY  
JUST I'M JUST SWAPPING THE  
INPUT AND OUTPUT.

**Leo:** RIGHT.

**Alex Lindsay:** AND THEN I'M,  
AND THEN I'M GONNA MAKE YOU  
KNOW I'M GONNA MAKE HER A  
LITTLE BRIGHTER.  
I'M GONNA MAKE THE BACKGROUND A  
LITTLE DARKER.  
YOU CAN SEE HOW I CAN REMOVE --  
FROM THE BACKGROUND.

**Leo:** NOW DOES THIS EFFECT  
THE FINAL RESULT?  
EVEN THOUGH IT'S DULLED OFF --

**Alex Lindsay:** WELL RIGHT  
NOW, RIGHT NOW WE'RE KIND OF  
GOING OFF.

**Leo:** IT'S A DEAD END.

**Alex Lindsay:** BUT RIGHT NOW  
BUT WHAT WE CAN DO IS I CAN --  
[Coughing]

**Leo:** YOU'RE JUST GETTING OFF  
THAT COLD THAT I GAVE YOU.

**Alex Lindsay:** SORRY, I'M ON THAT COLD.

**Leo:** IT'S MY FAULT.

**Alex Lindsay:** I WAS TRYING TO HOLD IT OFF.

**Leo:** I APOLOGIZE.

**Alex Lindsay:** I WAS TRYING TO HOLD IT OFF THERE.  
THE UM SO IF I GO INTO THIS  
COMPOSITE AND I, I'M BRINGING  
THIS OVER NOW WHAT THIS DOES IT  
SAYS GIVE ME THE FOREGROUND --

**Leo:** YEAH.

**Alex Lindsay:** GIVE ME THE  
MAP THAT YOU'VE CREATED HERE.  
THIS IS THE ALPHACINO AND I

NEED A BACKGROUND SO I'LL, I'LL  
GO IN HERE.

**Leo:** SEE THIS ALLOWS TO  
COMBINE THREE DIFFERENT  
PROCESSES INTO ONE.

**Alex Lindsay:** RIGHT.  
AND NOW WHAT I'M DOING IS I'M  
ACTUALLY GOING THIS THING IS  
ACTUALLY ABLE TO GO OUT AND  
LOOK, YOU KNOW SO NOW I GRAB  
THE NEW IMAGE FROM MY, FROM MY DESKTOP.  
AND SO HERE IS A MOUNTAIN SCENE.

**Leo:** OH ARE YOU GONNA PUT  
THAT BEHIND HER?

**Alex Lindsay:** AND I'LL DRAG  
THIS IN HERE LIKE THIS.

**Leo:** OH LOOK AT THAT AND  
THIS IS MUCH MORE INTUITIVE  
WHEN YOU DO IT THIS WAY.

**Alex Lindsay:** RIGHT.

**Leo:** I MEAN BECAUSE YOU CAN  
TELL WHAT'S HAPPENING RIGHT.

**Alex Lindsay:** YEAH YOU CAN  
SEE THESE ARE ALL THE OPERATIONS.

**Leo:** YEAH.

**Alex Lindsay:** AND THEN I CAN  
GO BACK AND AFFECT ANY  
OPERATION ABOVE IT.

**Leo:** RIGHT.

**Alex Lindsay:** SO FOR  
INSTANCE I CAN LOOK DOWN HERE  
AND OVER.  
SO I CAN BE LOOKING AT THIS AND

I GO YOU KNOW IT'D BE REALLY  
NICE IF SHE HAD A LITTLE BIT  
MORE BLUE IN HER.  
SO I MIGHT GO IN HERE INTO THE  
IMAGE AND ADD AN EXPOSURE AND UM --

**Leo:** AND YOU JUST POP IT RIGHT IN.

**Alex Lindsay:** AND YOU JUST  
POP IT INTO THE MIDDLE OF WHAT, WHATEVER --

**Leo:** IT'S A MUCH MORE  
INTUITIVE WAY OF WORKING.

**Alex Lindsay:** I, I FIND IT  
MUCH EASIER TO, TO, TO REALLY --

**Leo:** YOU COULD DO THAT WITH  
LAYERS RIGHT?

I MEAN YOU COULD --

[Pop captions up]

**Alex Lindsay:** YOU COULD DO,  
YOU COULD GET IT DONE IN LAYERS  
BUT THE PROBLEM IS, IS THAT  
EVEN THOUGH THEY'VE ADDED SMART  
LAYERS TO PHOTOSHOP AND THEY'VE  
ADDED, YOU KNOW SO WE HAVE WE  
NOW HAVE SMART LAYERS.

[Pop captions down]

**Alex Lindsay:** WE ALSO HAVE  
YOU KNOW LAYER OP, YOU KNOW  
LAYER ADJUSTMENT LAYERS.

**Leo:** MMM-HMM.

**Alex Lindsay:** BUT STILL  
THERE'S A LOT OF TIMES WHEN IF  
YOU'RE GONNA APPLY A BLUR FOR  
INSTANCE OR YOU APPLY CERTAIN THINGS --

**Leo:** I JUST FORGET WHERE TO PUT IT.

**Alex Lindsay:** YOU HAVE TO COMMIT TO IT TOO.

**Leo:** YEAH.

**Alex Lindsay:** YOU HAVE TO  
GET TO I'M GONNA DO THIS FILTER  
AND THEN I'M GONNA COMMIT TO IT.  
WELL I'M NOT, I'M NOT  
COMMITTING TO ANYTHING,  
ANYTHING UNTIL THE END COMPOSITE.  
I CAN KEEP ON GOING UPSTREAM.  
I CAN LOOK UP HERE AND WORK ON  
SOMETHING DOWN HERE YOU KNOW  
AND SO AND SO FORTH.

**Leo:** SO THIS IS JUST, THIS  
IS MODIFYING THE WAY PHOTOSHOP  
WORKS JUST WITH A PLUGIN.

**Alex Lindsay:** EXACTLY.

**Leo:** WOW THAT'S KIND OF NEAT.  
THAT'S MUST BE THAT'S SOME REAL  
PROGRAMMING KUNG FU THERE.

**Alex Lindsay:** IT WAS A THE, THE GUYS --

**Leo:** I'M IMPRESSED.

**Alex Lindsay:** WHO DO IT ARE VERY SMART.

**Leo:** YEAH.

**Alex Lindsay:** IT'S WHAT WE  
DO AND ALSO WE HAVE THIS SETUP  
SO THAT IT WORKS IN AFTER  
EFFECTS, FINAL CUT MOTION AND  
IT'S A STAND-ALONE VERSION AND  
ALL OF THEM WORK TOGETHER.  
SO I COULD WORK ON THIS  
COMPOSITE HERE IN PHOTOSHOP AND  
SEND THEM WHAT I DID IN PHOTOSHOP.

**Leo:** RIGHT.

**Alex Lindsay:** SO THEY COULD  
APPLY IT IN THEIR EDIT OR IN  
THEIR, OR IN THEIR COMPOSITE  
AND SO AND SO FORTH.

**Leo:** SO THIS PLUGIN IS CALLED CONDUIT.

**Alex Lindsay:** CONDUIT.

**Leo:** HOW MUCH IS IT?

[Pop captions up]

**Alex Lindsay:** IT'S UM THE  
WHOLE PACKAGE THAT WORKS IN  
ALL, IN ALL OF THE APPLICATIONS--

**Leo:** MMM-HMM.

[Pop captions up]

**Alex Lindsay:** IS \$199.

**Leo:** THAT'S VERY REASONABLE.

**Alex Lindsay:** SO IT WORKS,  
SO IT WORKS ITS FOUR PLUGINS  
AND, AND A STAND-ALONE APPLICATION.

**Leo:** WOW THAT'S AMAZING.

THAT'S FROM DVGARAGE.

**Alex Lindsay:** THAT'S FROM DVGARAGE YEAH.

**Leo:** NOW IF I JOIN  
PIXELCORPS DO I GET USE  
SOFTWARE LIKE THIS?

**Alex Lindsay:** THERE'S, WE  
HAVE THIS SOFTWARE AND A LOT OF  
OTHER SOFTWARE THAT'S AVAILABLE.

**Leo:** SO THAT'S KIND OF THE  
NEAT THING AT PIXELCORPS.

**Alex Lindsay:** YEAH, YEAH  
WELL MEMBERS GET A BIG DISCOUNT  
ON THE SOFTWARE.

**Leo:** RIGHT.

**Alex Lindsay:** AND THEN ALSO  
THERE'S JUST \$60,000 WORTH OF  
SOFTWARE THEY GET ACCESS TO.

**Leo:** A SPECIAL RIGHT NOW  
THROUGH JUNE TOO, \$50 THROUGH  
JUNE RIGHT?

**Alex Lindsay:** IT'S \$50 AND  
YOU GET FROM WHENEVER YOU SIGN  
UP THROUGH JUNE 1.

[Pop captions down]

**Leo:** THAT'S A GOOD DEAL.

**Alex Lindsay:** YEAH.

**Leo:** GOOD DEAL,  
PIXELCORPS.COM, A GREAT WAY TO  
LEARN THIS STUFF.  
BUT IT'S MORE ABOUT, MORE, IT'S  
NOT JUST ABOUT LEARNING, IT'S  
MORE ABOUT GETTING WORK.  
ONCE YOU, YOU KNOW TONING AND  
HONING YOUR SKILLS BUT THEN  
HELPING IT'S A GUILD OF ARTISTS  
WHO HELP EACH OTHER GET JOBS.  
AND THAT'S THE BEST PART ABOUT IT.  
ALEX LINDSAY IS THE FOUNDER OF  
PIXELCORPS AND DOES NEAT  
PROJECTS LIKE THIS CONDUIT.  
I THINK THAT'S I CAN'T WAIT TO  
TRY THAT OUT.

CAN I GET A COPY?

**Alex Lindsay:** AH I MIGHT BE  
ABLE TO WORK IT.

**Leo:** OKAY.

**Alex Lindsay:** I KNOW

SOMEBODY WHO KNOWS SOMEBODY.

**Leo:** I'D LIKE TO GET A COPY.

ALL RIGHT WE'RE GONNA TAKE A

BREAK COME BACK IN JUST A BIT.

BEFORE WE DO THOUGH TAKE A

CLOSEUP LOOK AT SOMETHING YOU

MIGHT FIND AROUND "THE LAB".

IT'S A DIAL.

IT'S A NUMBER.

BUT WHAT'S IT GO WITH?

HMM, THINK ABOUT IT.

WE'LL TALK ABOUT IT WHEN "THE

LAB" CONTINUES.

STAY RIGHT HERE.

[MUSIC]

[Pop captions down]

[Commercial break]

[MUSIC]

[Pop captions up]

**Leo:** WELCOME BACK TO "THE LAB".

OKAY WE ZOOMED IN AT AH THIS

THING AND YOU KNOW IT'S OBVIOUS

WHAT, WHAT IT IS.

IT'S, IT'S, IT'S A, A, A --

[Blank for boards]

[Laughs]

[Pop captions down]

**Leo:** SEAN CARRUTHERS DOES THIS.

I JUST WAIT NOW UNTIL WE ZOOM

OUT AND THEN I KNOW WHAT IT IS.

THAT'S CHEATING.

IT IS CHEATING.

HE DOES THAT, WHICH, WHICH

MACRO ARE YOU USING NOW, YOU'RE  
USING YOUR CANON XTI?

**Sean Carruthers:** I'M USING  
THE SIGMA 105 MILLIMETRE MACRO.

**Leo:** THAT'S A NICE THOSE ARE  
BEAUTIFUL SHOTS.

**Sean Carruthers:** THANKS.

**Leo:** GORGEOUS SHOTS.  
ALL RIGHT LET'S GET ANOTHER  
CALLER ON THE AIR.  
KATE HAS A GOOD CALLER FOR US.

**Kate:** I DO.  
THIS IS ROLAND FROM MARTINVILLE  
IN QUEBEC.

**Leo:** ROLAND LOOKS PUZZLED BY SOMETHING.  
MAYBE WE CAN HELP HIS PUZZLEMENT.  
HELLO ROLAND.

[Pop captions up]

**Roland:** HI.

**Leo:** HOW ARE YOU?  
WELCOME TO THE SHOW.

**Roland:** THANK YOU VERY MUCH.

**Leo:** WHAT CAN I DO, YOU DO  
LOOK PUZZLED IN THIS PICTURE.

**Roland:** OH I'M VERY, VERY NERVED UP.  
I'VE BEEN TRYING FOR OVER A  
MONTH AND I'M HAVING PROBLEMS  
WHEN I USE WINDOWS INTERNET EXPLORER.

**Leo:** YEAH.

**Roland:** I CAN'T SIGN UP ON IT.  
IT ALWAYS SAYS I'M WORKING OFFLINE.

**Leo:** WELL HOW DARE IT.

[Pop captions down]

**Leo:** YOU'RE NOT OFFLINE.

YOU'RE ONLINE.

NOW HERE'S A QUESTION FOR YOU.

IS IT ONLY IN INTERNET EXPLORER?

IN OTHER WORDS COULD YOU USE

FIREFOX OR OPERA OR ANOTHER

BROWSER AND THEN GET ONLINE?

[Both talking at once]

**Roland:** IN FIREFOX I'M OKAY.

**Leo:** SO FIREFOX IS FINE?

**Roland:** YES.

BUT THE ONLY THING IT'S SLOWER

THAN MY INTERNET EXPLORER IS SEE?

**Leo:** WELL YOU SHOULD WANT TO USE IT.

I DON'T BLAME YOU.

NOW I DO HAVE TO SAY I DON'T

RECOMMEND INTERNET EXPLORER 6.

IT'S NOT SECURE.

[Pop captions up]

**Leo:** BUT ONCE YOU GOT TO

INTERNET EXPLORER 7 IT'S, IT'S

A GREAT BROWSER.

IT'S MUCH MORE SECURE, MUCH

MORE STANDARDS COMPLIANT.

SO IE 7 I HIGHLY RECOMMEND.

I DON'T RECOMMEND USING IE 6

IT'S A LITTLE DANGEROUS.

[Pop captions down]

**Leo:** BUT WHY IS IT THAT --

NOW WE KNOW YOU'RE ONLINE.

YOU GET YOUR EMAIL.

YOU CAN SURF WITH FIREFOX.

BUT INTERNET EXPLORER ACTS FUNKY.

WELL IT'S GOT TO BE SOMETHING  
IN INTERNET EXPLORER'S SETTINGS  
DOESN'T IT?

**Roland:** YES AND I'VE TRIED  
EVERYTHING ON IT AND I, I WENT  
FOR HELP IN TOWN AND I ASKED  
PEOPLE IN COMPUTER STORES AND  
THEY DON'T KNOW NOTHING ABOUT  
IT EITHER.

**Leo:** WELL THE FIRST PLACE  
I'D LOOK IS IN THE INTERNET OPTIONS.  
IT'S UNDER TOOLS, INTERNET  
OPTIONS I'D LOOK IN CONNECTIONS.  
WITH CONNECTIONS YOU CAN SET UP  
SOME ODDBALL SETTINGS.  
GO TO YOUR LAN SETTINGS FOR  
INSTANCE YOU COULD HAVE A PROXY  
SERVER SET IN THERE.  
NOW IF YOU HAD A PROXY SERVER  
TURNED ON IN THERE THAT WOULD  
SCREW YOU UP.

DID YOU EVER USE ANY CONTENT  
FILTERING SOFTWARE?

**Roland:** NO I NEVER DID, NO.

**Leo:** HOW ABOUT SECURITY  
SOFTWARE LIKE NORTON INTERNET  
SECURITY OR --

**Roland:** YES I'VE GOT NORTON.

**Leo:** NORTON ANTI-VIRUS OR  
THE WHOLE PACKAGE?

**Roland:** AH NO NORTON JUST  
THE NORTON ANTI-VIRUS.

**Leo:** OKAY THE ANTI-VIRUS IS

OKAY BUT NORTON INTERNET SECURITY OR NORTON 360 IS VERY AGGRESSIVE AND SOME AND CAN SOMETIMES KEEP PEOPLE FROM GETTING ONLINE BY, BY TRYING TO PROTECT YOU.

SO THIS, THIS, THIS HAPPENS IF PEOPLE USE, SOME ANTI-SPYWARE PROGRAMS WILL ACTUALLY USE A PROXY SERVER.

YOU SEE THIS HERE, PROXY SERVER? THEY'LL USE A PROXY SERVER AND WHAT THAT MEANS IS INSTEAD OF GOING DIRECTLY TO THE SITE YOU'LL GO THROUGH A PROXY SERVER LIKE THIS.

AND WHAT IT'LL DO IS IT FILTERS OUT STUFF THROUGH THERE.

SO I WANT YOU TO GO THE THIS IS, THIS IS IN YOUR INTERNET OPTIONS.

I'M GONNA TURN THIS OFF CAUSE WELL I'LL SHOW YOU I'LL LEAVE IT ON. MY BROWSER WILL STOP WORKING.

IT'LL GIVE YOU, IT'LL GIVE ME EXACTLY THE SAME RESULTS THAT YOU'RE, THAT YOU'RE GETTING.

SO IT'S THE INTERNET OPTIONS CONNECTIONS UNDER LAN SETTINGS.

NOW WATCH IF I UM OH I HOPE THIS WORKS.

I LIKE DOING THESE DEMOS ON THE FLY AND THEN SOMETIMES THEY WORK AND SOMETIMES THEY DON'T.

NOW IN THEORY THIS SHOULDN'T  
WORK AT ALL.  
IT DOESN'T AND THAT'S BECAUSE  
NOW YOU SEE THAT'S A COMPLETELY  
LEGITIMATE ADDRESS I'VE PUT IN THERE.  
BUT THE REASON IT DOES IT IS  
BECAUSE I ITS TURNED ON ITS  
PROXY SERVER.

SO AND, AND SOME SAY NOW YOU  
SAY WELL I NEVER DO THAT.  
BUT SOME SOFTWARE DOES DO THAT  
PARTICULARLY ANTI-SPYWARE SOFTWARE.  
SO MAKE SURE YOU TURN OFF THAT,  
HAVE AUTOMATICALLY DETECT  
SETTINGS TURNED ON.

THAT'S A GOOD IDEA, ALTHOUGH IF  
THAT'S TURNED ON AND IT'S STILL  
NOT WORKING SOMETIMES TURNING  
IT OFF HELPS.  
SO PLAY WITH THESE SETTINGS A LITTLE BIT.  
THE OTHER THING YOU MIGHT WANT  
TO DO IS GO TO YOUR SECURITY  
SETTINGS AND CHECK.

IF YOU'VE GOT YOUR SECURITY  
SETTINGS SET WAY, WAY HIGH,  
WAY, WAY HIGH SOMETIMES THAT  
CAN CAUSE A PROBLEM.  
CLICK THIS BUTTON DEFAULT LEVEL.

**Roland:** OKAY.

**Leo:** AND MAYBE EVEN RESET  
ALL ZONES TO DEFAULT LEVEL.  
JUST YOU KNOW THERE ARE REASONS  
TO TURN THE SECURITY UP.

BUT JUST TO SEE IF WE CAN GET  
THIS WORKING.  
SO, SO THIS IS ALL IN INTERNET OPTIONS.  
THERE'S TWO TABS I WANT YOU TO  
LOOK AT, CONTENT, I'M, I'M  
SORRY, CONNECTIONS AND LAND  
SETTINGS AND THEN SECURITY AND  
MAKE SURE YOU'RE AT THE DEFAULT  
LEVELS AND TURN THOSE ON FOR  
BOTH OF THOSE.  
AND, AND BECAUSE SOMETIMES FOR  
INSTANCE YOU COULD SAY I, I, I  
ONLY CAN GO TO TRUSTED SITES.  
IT WOULD BE FOR INSTANCE A  
SETTING THAT YOU COULD HAVE AND  
THAT WOULD CAUSE THESE PROBLEMS.  
SO ALL OF THESE THINGS CAN, CAN  
DO EXACTLY WHAT YOU'RE GETTING.  
THE FACT THAT YOU CAN SURF, THE  
FACT THAT YOU CAN GET EMAIL  
TELLS ME THERE'S NOTHING WRONG  
WITH YOUR INTERNET ACCESS.  
IT'S JUST SOMETHING IN THE  
SETTINGS FOR INTERNET EXPLORER.  
SO THESE ARE SOME THINGS I  
WOULD TRY TO SEE IF YOU CAN GET  
INTERNET EXPLORER WORKING.

**Roland:** OKAY.

**Leo:** ARE YOU USING IE7?

**Roland:** AH NO I'M NOT.

**Leo:** AH YOU'RE ON WINDOWS XP?

**Roland:** YES.

**Leo:** YEAH I WOULD RUN, THAT

MEANS YOU PROBABLY HAVEN'T RUN  
WINDOWS UPDATE LATELY HAVE YOU?

**Roland:** NO I HAVE NOT.

**Leo:** YEAH VERY IMPORTANT  
THAT YOU RUN WINDOWS UPDATE.

**Roland:** OKAY.

**Leo:** WINDOWS UPDATE, HERE'S  
WHAT HAPPENS.

WHEN YOU RUN WINDOWS, WHEN,  
WHEN MICROSOFT PUTS OUT A  
PATCH, THEY DO IT THE SECOND  
TUESDAY OF EVERY MONTH UNLESS  
THERE IS AN EMERGENCY.

WHEN THEY PUT OUT THAT PATCH  
HACKERS GO VROOM AND THEY TAKE  
APART THE PATCH AND THEY FIGURE  
OUT WHAT IT'S FIXING.

AND THEN THEY SAY AH-HA THERE'S  
A PROBLEM IN WINDOWS AND FOR  
ALL THE PEOPLE WHO DIDN'T APPLY  
THE PATCHES WE'RE GONNA PUT  
HACKS ON OUR WEBSITES THAT WILL  
TAKE ADVANTAGE OF THOSE HOLES.

SO WHEN YOU DON'T APPLY THE  
PATCH YOU'RE BASICALLY  
VULNERABLE TO THESE HACKERS WHO  
HAVE SAID I'VE YOU KNOW I KNOW  
WHAT THE PROBLEM IS AND YOU'RE  
NOT FIXING IT, SO VERY IMPORTANT.  
NOW THE FIRST THING I WOULD DO  
RIGHT NOW, NOW YOU MAY HAVE  
TROUBLE BUT I WOULD TRY TO RUN  
WINDOWS UPDATE.

**Roland:** OKAY I WILL.

**Leo:** GET THOSE UPDATES ON  
THERE AND PUT EVERY SINGLE  
CRITICAL UPDATE ON THERE.  
YOU KNOW JUST KEEP GOING UNTIL  
THERE ARE NO MORE CRITICAL UPDATES.  
ONE OF THOSE UPDATES IS IE7 I  
WOULD ACCEPT IT.  
NOW SINCE YOU TELL ME YOU  
HAVEN'T DONE THE PATCHES THAT  
COULD BE ANOTHER SOURCE OF THIS PROBLEM.  
THERE COULD BE SPYWARES,  
SPYWARE OR VIRUSES CAUSING PROBLEMS.  
BUT LET'S TRY TO FIX IT THIS WAY FIRST.

**Roland:** OKAY.

**Leo:** YOU, YOU HAVE NORTON SO  
I THINK THE CHANCES ARE GOOD  
THAT YOU'RE PROTECTED AGAINST  
SPYWARE AND VIRUSES OKAY?

**Roland:** OKAY, THANK YOU VERY MUCH.

**Leo:** GOOD LUCK.

I REALLY APPRECIATE YOUR CALL ROLAND.

**Roland:** AND I APPRECIATE YOUR HELP.  
THANK YOU VERY MUCH LEO.

**Leo:** OH THAT'S WHAT WE'RE HERE FOR BABY.  
WE TAKE YOUR PUZZLEMENT AND WE  
TURN IT INTO SATISFACTION DON'T WE?  
AND NOW LADIES AND GENTLEMEN  
SPEAKING OF SATISFACTION MR.

RYAN YEWELL --

**Ryan Yewell:** I'M HERE.

**Leo:** AND HIS JEWELS.

**Ryan Yewell:** AND TODAY WE'RE

ON A WEBSITE THAT TALKS ABOUT  
THINGS FOR WINDOWS.

NOW I'VE BEEN DOING FREE FILES  
FOR ABOUT A YEAR NOW.

**Leo:** YES YOU HAVE.

**Ryan Yewell:** AND THIS IS  
TODAY THE ABSOLUTE BEST, MOST  
COMPREHENSIVE SITE I'VE FOUND  
THAT JUST GIVES YOU LIST BY  
LIST ITEM BY ITEM THE BEST OF  
AND THE REASON I LIKE IT --

**Leo:** RYAN --

**Ryan Yewell:** ITS  
TECHSUPPORTALERT.COM.

**Leo:** YOU'RE GONNA PUT US OUT  
OF BUSINESS HERE.

**Ryan Yewell:** I'M TRYING TO  
TEACH A MAN TO FISH OR A WOMAN  
TO FISH.

**Leo:** RYAN NOBODY'S GONNA CALL ME.  
THEY'RE GONNA GO TO  
TECHSUPPORTALERT.COM AND  
THEY'RE GONNA GET THEIR ANSWERS  
AND THEY DON'T NEED US ANYMORE.

**Ryan Yewell:** THESE ARE FREE FILES.

**Leo:** OH.

**Ryan Yewell:** ON THE BEST EVER FREE FILES.

[Pop captions up]

**Leo:** OKAY.

**Ryan Yewell:** AND, AND THE  
REASON I REALLY LIKE IT IS THAT  
HE, HE GIVES HIS NAME'S IAN.  
HE'S AN, AN I.T. GUY.

HE DOESN'T JUST GIVE YOU BEST.

**Leo:** FANTASTIC.

**Ryan Yewell:** HE, HE --

[Pop captions down]

**Leo:** HE REVIEWS IT.

**Ryan Yewell:** HE, HE GIVES  
ABOUT TWO, THREE, FOUR  
PARAGRAPHS ON EACH ONE.

**Leo:** OH THAT'S GREAT.

**Ryan Yewell:** SO WE'VE GOT  
THE WEB BROWSER, BEST ANTI-  
VIRUS, BEST FTP.

HE'LL EVEN SOMETIMES TALK ABOUT  
PROGRAMS THAT AREN'T FREE, THAT  
YOU KNOW FOR LIKE TEN BUCKS YOU CAN --

**Leo:** THEY'RE WORTH BUYING.

**Ryan Yewell:** THEY'RE WORTH  
BUYING AND WHY AND HE TALKS  
ABOUT YOU KNOW THIS ONE HAS  
THESE PROBLEMS.

LIKE HE JUST COMPARES THEM ALL.

**Leo:** THIS IS GREAT.

**Ryan Yewell:** SO AH --

**Leo:** DON'T YOU LOVE IT THAT  
PEOPLE TAKE THEIR TIME?  
I MEAN HE'S NOT MAKING ANY  
MONEY ON THIS.

HE JUST GOT IT COMMITTED.

**Ryan Yewell:** HE AND, AND YOU  
MIGHT FIND A FEW YEWELL'S  
JEWELS IN HERE AND MAYBE OF --

**Leo:** OH.

**Ryan Yewell:** MAYBE OF MINE A

FEW FROM THIS LIST.

**Leo:** OH OKAY.

**Ryan Yewell:** BUT THE REASON  
I WANT TO SHOW IT OFF IS CAUSE  
THERE'S A LOT OF SPECIFIC STUFF  
IN HERE THAT I DON'T KNOW IF  
I'D EVER SHARE CAUSE IT'S SO SPECIFIC.

**Leo:** I THINK IT'S GREAT.

RIGHT, RIGHT.

[Pop captions up]

**Ryan Yewell:** BUT SOMEONE  
MIGHT NEED IT SO IT'S, IT'S  
TECHSUPPORTALERT.COM.  
IT'S THE BEST 46 BEST EVER  
FREEWARE UTILITIES.

[Pop captions down]

**Leo:** I'M GOING THERE RIGHT NOW.

**Ryan Yewell:** IT'S A GREAT LIST.

**Leo:** YEAH RYAN YOU'RE GIVING  
AWAY THE GOLDMINE.

**Ryan Yewell:** OH I'M STILL,  
I, I HOPE I'M NOT PUTTING  
MYSELF OUT OF A JOB.

**Leo:** NAH.

**Ryan Yewell:** OKAY.

**Leo:** YOU'LL ALWAYS HAVE A  
JOB AS LONG AS I'M HERE.

**Ryan Yewell:** AH COOL.

**Leo:** CAUSE I MIGHT NOT BE  
HERE THAT MUCH LONGER IF YOU  
KEEP SHOWING SITES LIKE THAT.  
NO I'M JUST KIDDING.

[Pop captions up]

**Leo:** TECHSUPPORT.COM, A  
GREAT YEWELL'S JEWEL.  
WHERE CAN WE FIND THAT?

**Ryan Yewell:** GO TO --

[Blank for boards]

**Ryan Yewell:** FREE FILES,  
YEWELL'S JEWELS.  
I'LL SEND YOU THE LINK THERE.  
THERE'S A LOT OF OTHER, A LOT  
OF OTHER JEWELS THERE SO.

**Leo:** YOU WORKED AT  
ELECTRONIC ARTS DOING VIDEO  
GAME TESTING.

[Pop captions down]

**Ryan Yewell:** YEAH.

**Leo:** DID YOU EVER KIND OF  
HANKER TO WRITE YOUR OWN VIDEO GAMES?

**Ryan Yewell:** AH I'VE WRITTEN  
MILLIONS OF GAMES IN MY MIND,  
THE ODD DESIGN DOCK BUT NEVER  
ACTUALLY STARTED CODING.

**Leo:** I THINK YOU WANT TO STICK AROUND.

**Ryan Yewell:** YEAH.

[Pop captions up]

**Leo:** CAUSE JACOB TRAN IS HERE.  
HE TEACHES PEOPLE TO WRITE  
VIDEO GAMES.  
HE'S GOT SOME OF HIS STUDENTS  
AND SOME AMAZING GAMES.  
DEVELOP YOUR OWN GAME FOR THE  
XBOX 360.  
WE'LL SHOW YOU HOW IN JUST A BIT.  
BUT FIRST OUR QUICK QUIZ

QUESTION OF THE DAY.

[Blank for boards]

**Leo:** AHM AND WE GOT, AND WE  
USED TO DEFINE TRAIN AS  
SOMETHING RUNNING DOWN A TRACK RIGHT?  
COULD THIS BE MAGLEV?

[Blank for boards]

**Leo:** WHAT'S THE FASTEST?  
THOSE ARE SO ALL REALLY FAST.  
WAS IT IN JAPAN?  
YOU'RE NOT TELLING?

**Sean Carruthers:** NO HINTS.

**Leo:** ALL RIGHT NO HINTS.  
WE'LL TALK ABOUT IT A LITTLE  
LATER ON WHEN "THE LAB"  
CONTINUES, STAY HERE.

[MUSIC]

[Pop captions down]

[Commercial break]

[MUSIC]

**Leo:** WELCOME BACK TO "THE  
LAB", LEO LAPORTE HERE.  
JACOB TRAN IS BACK.  
HE'S A GAME DESIGN INSTRUCTOR  
AT THE VANCOUVER FILM SCHOOL.  
IT'S GREAT TO SEE YOU AGAIN JACOB.

**Jacob Tran:** NICE TO SEE YOU AGAIN LEO.

**Leo:** YOU'VE IN THE PAST  
BROUGHT IN STUDENTS WHO HAVE  
USED FLASH TO CREATE GAMES FOR  
THE PS3.

WE'RE GONNA DO SOMETHING A  
LITTLE DIFFERENT THIS TIME.

**Jacob Tran:** YES AH --

**Leo:** WE'VE GOT A PRO DEVELOPER.

**Jacob Tran:** YES A PRO DEVELOPER.

ME AND IVAN ARE OLD COLLEAGUES.

THIS IS IVAN TUNG.

[Pop captions up]

**Jacob Tran:** HE WORKS FOR LITTLE BOY GAMES.

**Leo:** BUT THAT'S INTERESTING

CAUSE IT'S HIS OWN LITTLE

COMPANY RIGHT?

[Pop captions down]

**Jacob Tran:** THAT'S RIGHT.

**Ivan Tung:** YES.

**Leo:** YEAH YOU WORKED AT EA

FOR A WHILE.

**Ivan Tung:** YES.

**Leo:** AS A DEVELOPER.

WHAT YOU DECIDED YOU WANTED TO

DO YOUR THING?

[Pop captions up]

**Ivan Tung:** YES I WAS LOOKING

FOR SOMETHING A LITTLE BIT MORE

CHALLENGING.

**Leo:** YEAH.

**Ivan Tung:** AND I THOUGHT THE

MARKET TO WAS AVAILABLE OPEN TO

CREATE A CASUAL GAME.

[Pop captions down]

**Ivan Tung:** AND MICROSOFT HAS

A WAY THAT SMALL DEVELOPERS CAN

DEVELOP GAMES BY XBOX LIVE.

**Leo:** YEAH BOTH MICROSOFT AND

SONY NOW WITH PS3 ALLOW YOU TO

DOWNLOAD GAMES FROM THEIR SITES.

[Pop captions up]

**Leo:** AND THEY'RE ACTUALLY FUN GAMES.

THEY'RE SMALLER GAMES.

THEY'RE NOT, THEY'RE NOT COMING

TO DVD.

THEY'RE OF COURSE THEY'RE

CHEAPER AS WELL.

[Pop captions down]

**Jacob Tran:** THEY'RE KNOWN AS CASUAL GAMES.

**Leo:** THEY'RE CASUAL GAMES.

THEY'RE FOR PEOPLE LIKE ME.

I DON'T HAVE A LOT OF TIME TO

PLAY A GAME BUT I WANT, BUT I

HAVE TO SAY I WAS BROUGHT UP ON GAMING.

IT'S GOT TO BE A FUN GAME.

IT'S GOT TO HAVE GOOD GAMEPLAY.

IT'S GOT TO BE COMPELLING.

IT CAN'T BE JUST A THROWAWAY.

**Ivan Tung:** FOR SURE.

**Jacob Tran:** IT'S ALL ABOUT

THAT CORE GAME MECHANIC AND IF

IT'S, IF IT'S ADDICTIVE AND --

**Leo:** EXACTLY.

**Jacob Tran:** THE GRAPHICS ARE

ANOTHER THING.

**Leo:** I DON'T MIND IF IT'S A

SMALL UNIVERSE OR IT'S A SIMPLE

GAME AS LONG AS I YOU KNOW

TETRUS IS OKAY.

IT'S NOT A BAD GAME.

**Jacob Tran:** SO OKAY --

**Leo:** SO, SO THIS IS CALLED

GO! GO! BREAK STEADY.

**Jacob Tran:** YES AND SO WE  
BROUGHT IVAN INTO THE VANCOUVER  
FILM SCHOOL BECAUSE THERE'S A  
PERFECT CAPTIVE AUDIENCE FOR HIM.  
WE HAVE WE TEACH GAME DESIGNERS  
IN OUR, IN OUR PROGRAM.

**Leo:** RIGHT.

**Jacob Tran:** AND SO HE CAME  
AND PLAY TESTED THIS GAME GO!  
GO! BREAK STEADY.

**Leo:** THAT'S A CHALLENGE FOR  
A SMALL GUY BECAUSE EA HAS A  
GAME TESTING DIVISION.  
BUT YOU'VE GOT TO FIND PEOPLE  
TO TEST YOUR GAMES.  
IT'S IMPORTANT STILL TO TEST RIGHT?

**Ivan Tung:** IT'S VERY IMPORTANT.  
I MEAN THERE WAS REALLY JUST  
TWO DEVELOPERS FOR THIS GAME SO  
IT WAS VERY HARD TO DETERMINE  
YOU KNOW IS IT FUN?  
IS IT TOO HARD?  
AND THAT'S WHAT VFS ALLOWED US  
TO DO.

IS WE, WE HAD THE GAME TESTED  
BY STUDENTS OVER A COURSE OF  
TWO DAYS TO REALLY TELL US IS  
THE GAME, WAS IT TOO HARD, WAS  
IT TOO EASY?

**Leo:** RIGHT.  
SO, SO YOU CAN'T TELL THAT YOURSELF.  
YOU DON'T KNOW LOOKING AT IT.

**Ivan Tung:** AFTER PLAYING THE GAME FOR FIVE MONTHS OR SIX MONTHS.

[Laughs]

**Leo:** IT'S EASY FOR YOU.

[Laughs]

**Ivan Tung:** YEAH.

**Leo:** WELL LET'S TAKE A LOOK.

[Pop captions up]

**Leo:** THIS IS, THIS IS AVAILABLE NOW ON XBOX LIVE IN THE MARKETPLACE. AND HOW MUCH YOU, YOU DO MAKE MONEY ON THIS RIGHT?

**Ivan Tung:** AH YES.

**Leo:** HOW MUCH DOES IT, DOES IT COST?

IT'S NOT VERY EXPENSIVE RIGHT?

**Ivan Tung:** AH THE GAMES RANGE BETWEEN 5 TO \$15.

**Leo:** THAT'S NOT BAD.

**Ivan Tung:** YES.

**Leo:** BUT AND YOU GET A PERCENTAGE OF THIS. THE NICE THING IS YOU DON'T HAVE TO DO THE PACKAGING, THE DISTRIBUTION, YOU DON'T HAVE TO PUT OUT A DVD. YOU DON'T HAVE TO GET TO A STORE. YOU KNOW IT SIMPLIFIES IT FOR YOU AS A DEVELOPER.

**Ivan Tung:** THAT'S RIGHT. MICROSOFT HANDLES THE FULL DISTRIBUTION OF THE PRODUCT.

**Leo:** THAT'S GREAT.

**Ivan Tung:** AND IT'S ALL  
DOWNLOADED RIGHT TO THE XBOX.

**Leo:** LET'S PLAY.

**Ivan Tung:** SO --

**Leo:** GO! GO! BREAK STEADY.  
WE'VE GOT IT ON OUR XBOX OVER  
HERE RIGHT?  
ACTUALLY SHOULD WE LOOK AT THE  
DEVELOPMENT FIRST?

**Ivan Tung:** SURE LET'S, LET'S --

**Leo:** BEFORE WE, BEFORE WE  
SPOIL PEOPLE WITH THE FINAL  
VERSION LET'S TAKE, THIS IS A,  
THIS IS A LINE DRAWING  
OBVIOUSLY RIGHT?  
THE KIND OF THING AN ANIMATOR  
WOULD SKETCH OUT.

**Ivan Tung:** YES.

AH WELL ONE THING IN DEVELOPING  
GO! GO! BREAK STEADY WE WANTED  
TO MAKE THE GAME REALLY UNIQUE  
AND DIFFERENT FROM OTHER TITLES.  
AND WHAT, WHAT WE DECIDED TO DO  
WAS TO USE 2-D ANIMATION.

**Leo:** SO YOU HAVE REAL  
ANIMATORS DRAWING?

**Ivan Tung:** YES.

**Leo:** WOW.

**Ivan Tung:** WE HAVE REAL  
ANIMATORS DRAWING EACH DRAWING  
SO WHEN YOU SEE THE GAME YOU'LL  
SEE THE ANIMATION'S ALL

COMPLETELY HAND-DRAWING.

**Leo:** OH THAT'S SO COOL.

**Ivan Tung:** SO I'LL JUST STOP THIS AND --

**Leo:** THAT IS UNIQUE NOW ISN'T IT?

**Jacob Tran:** MMM-HMM.

**Ivan Tung:** AND YOU CAN SEE

EACH FRAME IS JUST COMPLETELY  
HAND-DRAWN.

YOU CAN SEE THE AMOUNT OF  
DETAIL THAT'S GONE INTO DEVELOPING --

**Leo:** RIGHT.

**Ivan Tung:** EACH ANIMATION HERE.

SO WHAT WE DID WAS THE  
ANIMATORS WOULD DRAW THESE  
DRAWINGS AND WE'D SCAN THEM IN  
AND THEN I'D ACTUALLY SENT THEM  
OFF TO AND OUTSOURCED IT  
OFFSHORE TO GET ANOTHER COMPANY  
TO ESSENTIALLY TRACE THESE DRAWINGS.  
SO YOU CAN SEE HERE ARE THE  
DRAWINGS AND NOW USING FLASH  
ESSENTIALLY VECTORIZED THESE IMAGES.

**Leo:** THAT'S VERY COOL.

**Ivan Tung:** SO THAT'S SO WE  
COULD EVENTUALLY BRING IT INTO  
A DIGITAL FORMAT.

[Both talking at once]

**Leo:** THAT'S HOW YOUR  
STUDENTS DO IT ISN'T IT?  
THEY DEVELOP IN FLASH?

[Pop captions down]

**Jacob Tran:** MMM-HMM.

**Leo:** NOW YOU CAN'T REALLY

DEVELOP A POLISHED, FINISHED  
GAME LIKE THIS IN FLASH THOUGH  
CAN YOU?

**Jacob Tran:** A LOT OF OUR  
STUDENTS WHAT THEY CHOOSE TO DO  
IS THEY CREATE 3-D MODELS AND  
THEN RENDER OUT IMAGE SEQUENCES  
WITH TUNE SHADING.

**Leo:** MMM-HMM.

**Jacob Tran:** BUT THIS IS A  
LOT MORE TIME CONSUMING.  
THIS IS HAND-DRAWN 2-D IMAGES.

[Both talking at once]

**Leo:** THIS IS HARD, THIS IS  
HARD WORK RIGHT?

**Jacob Tran:** BUT THERE'S ALSO  
VISUALLY, VISUALLY IT'S MUCH BETTER.

**Leo:** IT GIVES YOU A GREAT RESULT.

**Ivan Tung:** RIGHT.

**Leo:** YEAH.

[Pop captions up]

**Ivan Tung:** SO YOU CAN SEE  
USING TRADITIONAL TECHNIQUES --

**Leo:** OH LOOK AT THAT.

**Ivan Tung:** YOU CAN SEE THE  
TECHNIQUES OF WHAT THEY CALL A  
SQUASH AND STRETCH.

SO IF YOU LOOK AT HIS AT THIS  
CHARACTER'S TUMMY YOU'LL SEE IT  
TOTALLY JUST MOVING ABOUT AND  
IT'S REALLY FUN TO SEE.

**Leo:** IT REALLY IS, THAT'S GREAT.

**Ivan Tung:** AND THE GREEN

SHIRT HAS NOTHING TO DO WITH  
THE FACT THAT YOU'RE WEARING A  
GREEN SHIRT TODAY AS WELL.

**Leo:** IT DOES LOOK LIKE MY TUMMY.  
BUT WE WON'T I WON'T TAKE IT PERSONALLY.  
SO THIS IS NEAT.

SO IT'S, IT'S TRADITIONAL 2-D ART.  
YOU DO IT IN FLASH BUT THAT'S  
ONLY FOR PROTOTYPING FOR STORYBOARDING?

[Pop captions down]

**Ivan Tung:** WE PROTOTYPED IT.  
BUT ALSO WE, WE DO UM PRE-  
PROCESS OR SORRY PROCESS THESE  
FLASH FILES IN A FORMAT THAT WE  
COULD USE BECAUSE IT IS IN A  
DIGITAL FORMAT ESSENTIALLY.  
IT'S JUST A, A DESCRIPTION OF A DRAWING.

**Leo:** UH-HUH, UH-HUH.  
SO YOU HAVE AN ENGINE THEN THAT  
CAN TAKE THAT FLASH AND, AND  
MAKE IT INTO A GAME?

**Ivan Tung:** YES.

**Leo:** YEAH.

**Ivan Tung:** WELL THE FLASH  
WOULD JUST HELP US REND-RENDER  
OUT THESE CHARACTERS.

**Leo:** RIGHT.

**Ivan Tung:** BUT THE WHOLE  
ENGINE WE, WE WROTE OURSELVES.

**Leo:** RIGHT SO THE FLASH IS  
KIND OF AN INTERMEDIATE STEP.

**Ivan Tung:** YES.

**Leo:** YEAH.

IS IT MORE PROTOTYPING OR IS IT  
ACTUALLY YOU'RE ACTUALLY USING  
THE FLASH PRODUCTIVE,  
PRODUCTION SIDE?

**Ivan Tung:** SORT OF IN BOTH SIDES.

**Leo:** YEAH.

**Ivan Tung:** WE, WE DO USE  
SOME OF THE FLASH FILES  
PROCESSED INTO ANOTHER FORMAT  
FOR THE GAME.

**Leo:** THIS IS EXCITING.

SO JUST A TWO-MAN SHOP THROUGH  
OUTSOURCING, THROUGH HELP FROM,  
FROM VANCOUVER FILM SCHOOL AND  
YOU'RE ABLE TO GET AS, AS MUCH  
DONE AS A BIG GAME SHOP WOULD.

**Ivan Tung:** WELL YES I MEAN  
THERE'S A LOT OF WHAT IT REALLY  
REQUIRED US TO DO WAS TO WEAR A  
LOT OF DIFFERENT HATS.

**Leo:** RIGHT.

**Ivan Tung:** I WOULD DO ART DIRECTION.

**Leo:** RIGHT.

**Ivan Tung:** ENGINEERING, UM  
GAME DESIGN AND THAT'S ONE OF  
THE REALLY HARD, HARD THINGS.  
BEING AN ENGINEER WAS  
DETERMINING OR FIGURING OUT HOW  
TO, HOW TO --

[Both talking at once]

**Leo:** RIGHT.

NORMALLY, NORMALLY THERE'S  
SOMEBODY ELSE TO DO THAT RIGHT?

**Ivan Tung:** YES.

**Leo:** YEAH.

**Ivan Tung:** SO IT WAS REALLY  
IT WAS A LOT HARDER TO, TO  
FIGURE OUT HOW TO MAKE A GAME  
FUN AND NOT --

**Leo:** RIGHT.

**Ivan Tung:** THAT WAS REALLY A  
REAL CHALLENGE.

**Leo:** WELL LET'S SEE IT.

I WANT TO, I WANT TO PLAY THE GAME.  
SO JACOB THAT'S YOU KNOW A LOT  
OF TIMES PEOPLE SAY OH YOU  
CAN'T BE A GAME DEVELOPER  
ANYMORE BECAUSE IT'S YOU KNOW  
BIG COMPANIES WITH HUNDREDS OF  
EMPLOYEES.

THIS PROVES I THINK THIS PROVES  
THAT IT'S NOT NECESSARILY THE CASE.

**Jacob Tran:** CERTAINLY THE  
MODEL'S CHANGING A LOT.

**Leo:** GO AHEAD YEAH.

**Jacob Tran:** UM THERE'S,  
THERE'S A LOT MORE DISTRIBUTION  
CHAINS AND OPTIONS YOU HAVE  
THESE DAYS.

[Pop captions up]

**Leo:** SO IS IT A BREAK  
DANCING GAME?

**Ivan Tung:** SO WHAT IT IS, IS  
A MIX BETWEEN A, A MUSIC AND A  
PUZZLE GAME.

[Pop captions down]

**Leo:** UH-HUH.

**Ivan Tung:** SO THERE'S A PUZZLE GAME.

**Leo:** YOU TRIED TO DO A  
LITTLE TETRUSY KIND OF THING  
WITH THE MATCHING AH THE --

**Ivan Tung:** SO --

**Leo:** IT, IT KIND OF COMBINES  
A LITTLE GUITAR HERO OR DANCE  
DANCE REVOLUTION OR?

**Ivan Tung:** EXACTLY SO YOU  
HAVE TO PLAY TO THE BEAT OF THE  
MUSIC AND THEN YOU, YOU GET  
ESSENTIALLY THESE PUZZLE PIECES--

**Leo:** THAT'S FUN.

**Ivan Tung:** TO AH, TO  
BASICALLY DESTROY THIS PUZZLE.

**Leo:** SO, SO, SO YOU SAY  
JACOB THAT THE MODEL IS DIFFERENT.  
IT'S BECAUSE WE CAN DOWNLOAD GAMES.  
WE CAN HAVE CASUAL GAMING NOW.  
WE HAVE ONLINE GAMING.  
THERE'S A LOT OF PLACES YOU  
COULD DO A GAME.

**Jacob Tran:** YEAH.

**Leo:** THEY'RE NOT ALL DOOM 3.

**Jacob Tran:** EXACTLY.

**Leo:** THEY'RE NOT ALL METAL GEAR SOLID.  
THERE'S A LOT OF SOMETHING, A  
LOT OF SMALLER THINGS AVAILABLE TOO.

**Jacob Tran:** AND I THINK IT'S  
THE EVOLUTION OF GAMING AS WELL.  
THERE USED TO BE A LOT OF  
HARDCORE GAMERS SO --

[Both talking at once]

**Leo:** RIGHT THERE'S A LOT OF PEOPLE LIKE ME NOW WHO WERE HARDCORE GAMERS WHO DON'T HAVE TIME TO BE A HARDCORE GAMER.

**Jacob Tran:** EXACTLY, SO THE FEMALE DEMOGRAPHIC.

**Leo:** RIGHT.

**Jacob Tran:** THE YOUNGER DEMOGRAPHIC, IT'S, IT'S DEFINITELY A GROWING FIELD NOW.

**Leo:** THE, THE OLD FART DEMOGRAPHIC.

[Both laugh]

**Leo:** JACOB TRAN IS A DESIGN INSTRUCTOR FOR GAMING AT VANCOUVER'S FILM SCHOOL. WE'RE SO GLAD YOU CAME IN. IVAN TUNG THE FOUNDER OF LITTLE BOY GAMES.

[Pop captions up]

**Leo:** YOU CAN BUY THIS GAME NOW GO! GO! BREAK STEADY ON XBOX LIVE. I'M GONNA RUN HOME AND DO IT. THIS LOOKS LIKE A LOT OF FUN.

**Ivan Tung:** GREAT.

**Leo:** AND YOU'RE RIGHT YOU'RE TOO GOOD AT THIS. YOU SHOULD GIVE YOU NEED SOME TESTERS CAUSE I THAT'S WAY I, I COULDN'T DO THAT. I CAN TELL YOU RIGHT NOW. ALL RIGHT WE'RE GONNA TAKE A BREAK AND COME BACK WITH MORE

IN JUST A LITTLE BIT.  
COME ON PLAY SOME MORE.  
LET'S, LET'S SEE SOME MORE  
WHILE WE, WHILE WE GO OUT.  
MORE OF YOUR CALLS COMING UP AS  
"THE LAB" CONTINUES.  
STAY RIGHT HERE.

[MUSIC]

6, 5, 4, 3, 2, 1.

[MUSIC]

[Pop captions down]

[Commercial break]

[MUSIC]

**Kate:** HEY WELCOME BACK TO  
"THE LAB WITH LEO".  
I'M KATE ABRAHAM AND NOW ITS  
TIME FOR MY TIP OF THE DAY.  
NOW THIS IS A TIP FOR ALL YOU FOODIES.  
I LOVE FOOD.  
I LOVE TO COOK.  
I LOVE TO GO OUT AND EAT IN  
RESTAURANTS.

THIS IS A GREAT SITE FOR  
ANYBODY WHO LOVES FOOD, ITS  
CALLED CHOW.COM.  
FANTASTIC SITE ACTUALLY OWNED  
BY CNET.

[Pop captions up]

**Kate:** AND THE GREAT THING IS  
IS, IS BASICALLY THEY PITCH AT  
AS A FIVE-COURSE MULTIMEDIA MEAL.  
AND NOT ONLY IS IT RECIPES  
WHICH IS GREAT CAUSE OBVIOUSLY

RECIPES ONLINE MAKE IT SO MUCH  
EASIER TO FOLLOW.

[Pop captions down]

**Kate:** SO THE WHOLE SITE IS A  
COMPREHENSIVE THAT'S VIDEO TUTORIALS.  
WHICH IS GREAT.

YOU HAVE AN OPTION OF CHOOSING  
DIFFERENT, DIFFERENT PODCASTS  
WHICH IS FANTASTIC.

YOU ALSO HAVE PHOTOS.

THE GREAT THING AS WELL THOUGH  
IS THERE'S ACTUAL BOARDS HERE.  
SO IT'S ACTUALLY AN INTERACTIVE  
SITE WHICH IS GREAT BECAUSE NOT  
ONLY IS IT RECIPES.

BUT IT'S ALSO YOU CAN ACTUALLY  
POST RESTAURANT, RESTAURANT  
REVIEWS FROM ANYWHERE IN THE  
WORLD WHICH IS FANTASTIC.

SO IT'S CALLED --

[Pop captions up]

[Blank for boards]

**Leo:** THAT'S NEAT.

**Kate:** AND THE THING I LIKE  
ABOUT IT, IT ACTUALLY HAS THE  
FORUMS TO IT AS WELL.

[Pop captions down]

**Kate:** SO IT'S ACTUALLY AN  
INTERACTION AS OPPOSED TO JUST  
BEING LIKE THIS IS HOW YOU MAKE  
X-Y-Z.

**Leo:** RIGHT.

YOU'VE PICKED A NUMBER OF FOOD SITES.

**Kate:** I LOVE FOOD.

**Leo:** I THINK YOU'RE A FOODIE.

**Kate:** I LOVE FOOD.

**Leo:** YEAH.

AND YOU LIKE TO COOK TOO RIGHT?

**Kate:** I DO LOVE TO COOK AS WELL.

**Leo:** YEAH SO THIS IS PERFECT.

**Kate:** YEAH ABSOLUTELY.

**Leo:** CHOW.

**Kate:** IT'S A VERY COOL SITE.

**Leo:** THAT'S NEW.

IT'S INTERESTING THAT CNET'S  
GETTING INTO THAT.

THAT'S THEY'RE DEVIATING A  
LITTLE BIT AWAY FROM THEIR TECH  
HERITAGE.

**Kate:** WHICH IS I MEAN ITS  
GREAT CAUSE THEY'RE ACTUALLY  
APPEALING TO A BROADER MARKET.

**Leo:** YEAH AND THEY HAVE THE  
SKILLS TO PUT SOMETHING LIKE  
THIS TOGETHER.

**Kate:** EXACTLY.

**Leo:** THAT'S VERY POLISHED  
AND EFFECTIVE.

**Kate:** IT'S SUCH A SLICK SITE.

[Both talking at once]

**Leo:** YEAH, YEAH, YEAH, YOU  
CAN TELL YEAH.

**Kate:** IT REALLY IS.  
LIKE MY MOM WOULD USE THIS SITE  
YOU KNOW.

**Leo:** YEAH, YEAH.

**Kate:** SO IT'S REALLY COOL.

**Leo:** NEAT, CHOW.COM.

**Kate:** CHOW.COM.

**Leo:** GOOD NAME TOO.

**Kate:** THERE YOU GO.

**Leo:** ALL RIGHT LET'S GET  
ANOTHER CALLER ON HERE.

WHO DO YOU HAVE, WHO DO YOU  
HAVE FOR ME?

**Kate:** WE HAVE A VERY SLEEPY  
BRENT FROM PERTH IN WESTERN AUSTRALIA.

**Leo:** WHAT TIME IS IT IN PERTH?

**Kate:** HE'S BEEN UP SINCE FOUR A.M. FOR US.

**Leo:** OH BRENT THANK YOU KATE.

**Kate:** THANK YOU.

**Leo:** OH BRENT THANK YOU VERY  
MUCH FOR GETTING UP EARLY FOR US TODAY.

**Brent:** HELLO, HELLO.

**Leo:** GOOD MORNING.

**Brent:** OH HI LEO HOW YOU DOING?

**Leo:** I'M GREAT.

[Pop captions up]

**Leo:** WELCOME TO THE SHOW AND  
THANKS FOR LOSING SOME SLEEP OVER US.  
I APPRECIATE IT.

**Brent:** AH NO THAT'S FINE.

**Leo:** I LIKE YOUR FLAG IN THE  
BACKGROUND THERE.  
YOU'RE, YOU'RE REPRESENTING.

**Brent:** I THOUGHT I'D BETTER  
DO IT ON THE SHOW.

**Leo:** YEAH YOU BET.

**Brent:** IT BEING AUSTRALIA

DAY OVER HERE SO.

[Pop captions down]

**Leo:** IS IT AUSTRALIA DAY?

OH THAT'S GREAT.

**Brent:** OH ON THE 26TH JUST GONE SO.

**Leo:** JUST PAST, WELL HAPPY AUSTRALIA DAY.

WHAT CAN I DO FOR YOU TODAY?

**Brent:** WELL I'VE GOT A

PRETTY SIMPLE QUESTION.

**Leo:** GOOD.

**Brent:** THE OLD SPOTLIGHT

USED TO COME UP IN A SPECIAL

FOLDER WHEN YOU WOULD CLICK ON

THE SHOW ALL.

**Leo:** MMM-HMM.

**Brent:** ONE OF THEM YOU KNOW

THE BIT JUST BELOW THE

SPOTLIGHT IN MAC?

YOU KNOW WHAT --

**Leo:** YEAH I'M LOOKING AT IT RIGHT NOW.

SO I'M AT SPOTLIGHT.

I'VE TYPED IN A SEARCH AND THEN

THE FIRST THING YOU SEE --

[Both talking at once]

**Brent:** YEAH YOU TYPE IN SEARCH.

**Leo:** YEAH.

**Brent:** AND THEN IT'D COME UP

WITH THE LIST OF SEARCH THERE

AND THEN IT'LL HAVE SHOW ALL.

**Leo:** RIGHT.

**Brent:** WHEN I CLICKED ON

SHOW ALL IN TIGER IT WOULD COME

UP IN A SPECIAL FOLDER AND BE

DESIGNATED YOU KNOW LISTED OUT,  
WHEREAS WHEN YOU DO IT IN  
LEOPARD IT COMES UP IN A SMART FOLDER.  
AND I'M JUST WONDERING IS THERE  
ANY WAY TO GET THAT --

**Leo:** RIGHT.

**Brent:** FUNCTIONALITY BACK?

**Leo:** SO YOU'D LIKE IT TO BE  
A LITTLE MORE ORGANIZED?

**Brent:** I'D LIKE IT TO BE UM  
I ACTUALLY REALLY ENJOYED  
SPOTLIGHT IN TIGER.

I'M JUST WONDERING WHY THEY'VE  
JUST TOTALLY REDONE IT ALL?

**Leo:** WELL LET ME AND LET ME COMPARE.

I'M GONNA SHOW PEOPLE YOU KNOW  
IN THE, IN THE, IN THE DEFAULT  
MENU SEARCH YOU SEE IT HAS WHEN  
YOU SEARCH FOR SOMETHING IT HAS  
THE TOP HIT.

BUT THEN IT DIVIDES IT UP INTO  
DIFFERENT CATEGORIES.

SO DOCUMENTS, MESSAGES, EVENTS,  
IMAGES, PDS, WEBPAGES, SO IT'S  
KIND OF CATEGORIZED.

BUT THEN WHEN YOU GO TO THE  
SHOW ALL UP HERE AT THE TOP IT  
OPENS THIS WINDOW AND SUDDENLY  
THE CATEGORIES KIND OF DISAPPEAR.

NOW OF COURSE YOU CAN STILL  
CATEGORIZE A LITTLE BIT IF YOU  
CLICK THE KIND BUTTON.

IT WILL STILL SORT IT --

**Brent:** YEAH.

**Leo:** IN THE SAME WAY, JUST  
NOT IT'S NOT, IT'S NOT AS PRETTY.  
SO HERE'S ALL THE MAIL  
MESSAGES, QUITE A FEW OF THEM.  
WAY TOO MANY OF THEM  
APPARENTLY, BOOKMARKS, TEXT,  
WORD DOCUMENTS, YO JIMBO  
DOCUMENTS THAT HAVE THAT SEARCH  
TERM IN THERE.  
SO I DON'T KNOW OF ANY WAY TO  
BRING BACK THE OLD FORM OF SEEING IT.  
THERE ARE SOME ADVANTAGES TO  
HAVING DONE IT THIS WAY.

[Pop captions up]

**Leo:** FOR INSTANCE BECAUSE  
IT'S A SEARCH WINDOW I CAN REFINE IT.  
SO I CAN SAY I WANT TO SEE ONLY  
IF YOU'LL SHOW THE SCREEN I'LL  
SHOW YOU THIS.

[Pop captions down]

**Leo:** I WANT TO SEE ONLY SO I  
WHAT I DID WAS I'M IN A, I'M IN  
A SMART WINDOW.  
I PRESS THE PLUS BUTTON AND NOW  
I CAN REFINE IT.  
I SAY I ONLY WANT TO SEE  
DOCUMENTS WITH THAT SEARCH TERM  
AND IT'LL NARROW IT DOWN.  
OR I ONLY WANT TO SEE MUSIC AND  
I THINK THIS IS WHY APPLE DID  
IT IS BY PUTTING IT IN THIS  
SPECIAL SMART FOLDER I NOW HAVE

MUCH MORE FLEXIBILITY.

IN FACT I CAN EVEN NARROW IT  
DOWN MORE.

I CAN SAY IT'S A TEXT DOCUMENT  
AND IT WAS LAST OPENED IN THE  
LAST SEVEN DAYS AND SO I CAN  
REALLY NARROW IT DOWN.

NOW I THINK THAT'S THEIR RATIONALE.

I AGREE COSMETICALLY IT'S NOT  
AS PRETTY, BUT FUNCTIONALITY-  
WISE THERE'S A LOT MORE YOU CAN  
DO WITH IT.

YOU CAN EVEN SAVE THIS SEARCH  
OUT NOW AS ONE OF YOUR SAVED  
SEARCHES AND IT'LL SHOW UP OVER  
HERE IN THE LEFT.

IF THIS IS IN LEOPARD AMONG  
YOUR SAVED SEARCHES YOU COULD  
EVEN ADD IT TO THE SIDEBAR AND  
IT'S GONNA SHOW UP OVER HERE.  
AND SO THAT'S KIND OF, THAT'S  
KIND OF NEAT.

UM I SYMPATHIZE WITH YOU.

I THINK THERE'S MANY THINGS IN,  
IN LEOPARD FOR REASONS I DON'T  
FULLY UNDERSTAND APPLE TOOK OUT  
SOME FUNCTIONALITY.

FOR INSTANCE I REALLY DON'T  
LIKE STACKS COMPARED TO THE WAY  
THE DOCK USED TO WORK.

IN THIS CASE I THINK THEY ADDED  
FUNCTIONALITY, THEY CHANGED THE  
COSMETICS OF IT.

I DON'T KNOW OF ANY WAY TO GO BACK.

I MEAN OF COURSE YOU CAN ALWAYS  
YOU KNOW USE, USE OTHER SEARCH  
TOOLS AND SO FORTH.

I THINK THEY'VE MUCH IMPROVED SPOTLIGHT.

I THINK ONE OF THE, ONE OF THE  
ACTUALLY THE REAL BENEFITS OF  
LEOPARD IS THAT SPOTLIGHT  
ACTUALLY WORKS NOW IN WAYS THAT  
IT, IT'S FAST, A LOT FASTER THEN IT WAS.  
IT'S ACTUALLY USEABLE.

I USED TO TAKE SPOTLIGHT OFF MY  
OLD MACS.

SO I DON'T HAVE AN ANSWER FOR  
YOU IN THE SENSE --

**Brent:** I'M ON AN OLD G4 LAPTOP.

**Leo:** YEAH.

I MEAN YOU COULD ALWAYS GO BACK  
TO TIGER IF YOU REALLY IF  
THAT'S ALL YOU REALLY CARE ABOUT.

[Both talking at once]

**Leo:** I THINK FRANKLY  
SPOTLIGHT'S IMPROVED AND I  
THINK IF YOU START PLAYING WITH  
THIS THE CAPABILITIES OF THESE  
SMART FOLDERS, THESE SEARCH  
FOLDERS YOU'LL REALIZE THAT  
THEY'VE GIVEN YOU A LOT MORE.  
NOW IF YOU AND LET'S, LET'S,  
LET'S REMOVE OUR, OUR, OUR  
LET'S GO BACK TO OUR SEARCH  
HERE, WE'LL MAKE A NEW ONE I GUESS.  
UM YOU KNOW THERE ARE SOME

THINGS YOU CAN DO NOW THAT YOU  
COULDN'T DO BEFORE.

FOR INSTANCE OOPS I DID A  
DICTIONARY SEARCH.

LET'S DO SHOW ALL.

THIS NOW IS CAN ALSO BE USED IN  
COVERFLOW.

SO NOW ALL OF A SUDDEN I CAN GO  
THROUGH THESE DOCUMENTS AND I  
THINK THIS IS PART OF THE  
REASON IS THEY WANT IT TO BE A  
STANDARD WINDOW SO THAT I CAN  
THROUGH IT AND LOOK AT THESE DOCUMENTS.

NOW I COULDN'T DO THAT BEFORE.

THEY'VE GOT THAT PREVIEW.

I CAN EVEN PRESS SPACE AND OPEN  
IT UP AS A DOCUMENT.

I THINK ALL OF THESE THINGS ADD  
TO THE FUNCTIONALITY.

YOU'RE RIGHT COSMETICALLY ITS  
NOT AS NICE.

BUT IF I THINK IF YOU PLAY WITH  
THIS YOU'LL REALIZE YOU'RE  
GETTING A LOT MORE OUT OF IT BRENT.

**Brent:** YEAH I --

[Both talking at once]

**Leo:** HEY I DO THANK YOU FOR THE CALL.

IT'S ONE OF THOSE THINGS IT'S  
LIKE A MATTER OF, OF TASTE OF  
WHAT YOU LIKE.

I HAVE TO SAY I'M MUCH HAPPIER  
WITH THE NEW SPOTLIGHT THEN I AM.  
ALTHOUGH SEAN YOU HATE THE NEW

CHANGES RIGHT?

**Sean Carruthers:** I'M WITH BRENT.

I DON'T LIKE THIS.

I LIKE THE FACT THAT BEFOREHAND

I USED TO HAVE IT SORTED INTO

TYPES OF FILES.

**Leo:** ORGANIZED.

**Sean Carruthers:** NOW I --

**Leo:** YOU CAN STILL DO THAT.

YOU CAN CLICK KIND.

**Sean Carruthers:** YEAH BUT IT

SORTS DIFFERENT TYPES OF THE

SAME TYPE OF FILE.

SO DIFFERENT MULTIMEDIA FILES

WILL END UP IN DIFFERENT PLACES --

[Both talking at once]

**Leo:** IN DIFFERENT PLACES CAUSE BEFORE --

**Sean Carruthers:** DEPENDING ON HOW IT'S ALPHABETIZED.

**Leo:** AND SO ON.

YEAH BUT THEN YOU CAN COVERFLOW.

YOU CAN, YOU CAN NARROW THE

SEARCH DOWN.

THERE'S STUFF YOU COULDN'T DO

BEFORE THAT YOU CAN DO NOW.

I THINK IF YOU PLAY WITH IT IN

THE LONGRUN IT'S, IT IS AN

IMPROVEMENT, I UNDERSTAND.

**Sean Carruthers:** I'M NOT, I'M NOT SOLD BUT.

**Leo:** ANY TIME YOU CHANGE SOMETHING --

**Sean Carruthers:** THAT'S RIGHT.

**Leo:** EVERYBODY THERE ARE

GONNA BE PEOPLE WHO SAY IT'S

NOT AS GOOD AS THE OLD WAY.

SO I GUESS OUR SHINY TODAY IS SOUP.

**Sean Carruthers:** IT'S AH  
WELL YOU KNOW IT'S MORE FOODIE  
KIND OF STUFF.

**Leo:** OKAY.

**Sean Carruthers:** TO KEEP THE THEME WITH KATE GOING.  
YOU'VE PUT FOOD IN THE  
REFRIGERATOR --

**Leo:** YEAH.

**Sean Carruthers:** AND IT'S SAT THERE FOR A LONG, LONG TIME.

**Leo:** RIGHT.

**Sean Carruthers:** AND YOU  
PROBABLY DON'T KNOW WHETHER  
IT'S SAFE TO EAT BECAUSE YOU  
HAVE NO IDEA HOW LONG IT'S BEEN THERE.

[Both talking at once]

**Leo:** NO IDEA, IT'S A SCIENCE PROJECT RIGHT.

**Sean Carruthers:** SO WHAT WE'VE GOT HERE IS A LITTLE  
GADGET THAT YOU CAN ATTACH TO  
YOUR FOOD.

IT'S CALLED THE DAYSAGO DIGITAL  
DAY COUNTER.

**Leo:** I LOVE IT.

**Sean Carruthers:** HOW MANY  
DAYS AGO DID YOU OPEN THAT FOOD?

**Leo:** I LOVE IT.

[Pop captions up]

**Leo:** SO THIS HAS LIKE A MAGNET ON IT?

**Sean Carruthers:** IT'S  
THEY'VE GOT THREE DIFFERENT  
TYPES, ONE HAS A MAGNET.

**Leo:** UH-HUH.

**Sean Carruthers:** ONE HAS A

SUCTION CUP AND ONE HAS A BAND.

[Pop captions down]

**Leo:** OKAY.

**Sean Carruthers:** SO WE'VE  
GOT ALL THREE ON HERE, UM ON  
DIFFERENT TYPES OF FOOD.

[Both talking at once]

**Leo:** THIS IS ACTUALLY A VERY GOOD IDEA.

**Sean Carruthers:** AND  
ESSENTIALLY WHAT YOU DO IS WHEN  
YOU HAVE THIS AH --

**Leo:** HERE WE HAVE ONE ON A SOUP CAN.

**Sean Carruthers:** THERE WE GO.  
SO THERE'S, THERE'S THE PRODUCT ITSELF.  
THAT'S MAGNETIC.

**Leo:** SO HOW DO I START --  
SO I, I OKAY NOW I WANT TO START IT.

**Sean Carruthers:** RIGHT SO  
YOU JUST HOLD THAT BUTTON.

**Leo:** OKAY.

**Sean Carruthers:** RIGHT THERE  
AND JUST HOLD IT AND TO CLEAR IT.

**Leo:** AND IT'S GONNA GO TO ZERO.

**Sean Carruthers:** AND IT'S  
GONNA GO TO ZERO THEN YOU  
ATTACH IT TO THE FOOD.

**Leo:** OKAY.

**Sean Carruthers:** AS YOU CAN  
TELL THAT, THAT WAS ACTUALLY  
SITTING ON THIS CAN FOR ABOUT  
66 DAYS.

SO IF THAT CAN WAS OPEN YOU  
PROBABLY WOULDN'T WANT TO TOUCH IT.

[Leo laughing]

[Both talking at once]

**Leo:** THAT'S REALLY, THAT'S REALLY GREAT AND THEN WE PUT IT ON HERE SO IT'S MAGNETIC.

**Sean Carruthers:** RIGHT.

**Leo:** AND SO I THESE ARE REUSEABLE BECAUSE I CAN JUST RESET IT.

**Sean Carruthers:** YEP.

**Leo:** BUT MEANWHILE IT'S SITTING ON THE CAN AND THAT'S, THAT'S GREAT.

**Sean Carruthers:** YEAH I MEAN THEORETICALLY IT WOULDN'T BE ON A CAN. IT WOULD BE ON SOMETHING WITH A MAGNETIC LID OR A SUCTION CUP --

**Leo:** WELL THIS HAS GOT A SUCTION CUP.

**Sean Carruthers:** LIKE GO INTO A JAR --

**Leo:** YEAH, YEAH, YEAH.

**Sean Carruthers:** OR SOMETHING ELSE LIKE THAT.

**Leo:** THAT'S COOL.

**Sean Carruthers:** OR --

**Leo:** HERE'S ONE WITH A BAND.

**Sean Carruthers:** THERE'S ONE WITH THE BAND.

**Leo:** THAT GOES AROUND YOUR COFFEE MUG. IF YOUR COFFEE MUG IS MORE THEN 10 DAYS OLD DON'T DRINK OUT OF IT.

**Sean Carruthers:** YEAH THIS ONE IS FRESH BREWED THIS MORNING SO.

[Pop captions up]

**Leo:** LET'S GET THE PROS AND CONS ON THE --

**Sean Carruthers:** WELL YOU

KNOW YOU GET TWO FOR \$10 SO

IT'S A REALLY GOOD DEAL.

**Leo:** THAT'S A GOOD DEAL.

**Sean Carruthers:** IT SHOWS  
HOW LONG IT'S BEEN IN THE  
FRIDGE OBVIOUSLY, WHICH YOU  
NEED TO KNOW TO AVOID POISONING YOURSELF.

**Leo:** YEAH.

**Sean Carruthers:** UM FROM --

**Leo:** WHAT ARE THE NEGATIVES?

**Sean Carruthers:** FROM A  
DOWNSIDE WELL YOU KNOW WHAT?  
IT DOESN'T GET KNOCKED OFF --

**Leo:** IT DOESN'T SIT ON THE  
CAN VERY WELL YEAH?

**Sean Carruthers:** IT DOESN'T  
SIT ON THEM VERY WELL IN SOME CASES.  
AND YOU KNOW WHAT?  
I'VE GOT A MARKER HERE THAT'S  
CHEAPER AND YOU --

**Leo:** OH YOU COULD JUST  
WRITE, YOU JUST COULD WRITE ON  
IT COULDN'T YOU?

**Sean Carruthers:** YEAH IF YOU'VE GOT A, A --

**Leo:** THAT'S A GOOD POINT.

**Sean Carruthers:** JAR YOU CAN  
JUST SAY OPENED MAY 13TH.

**Leo:** THAT'S A GOOD POINT.  
THIS IS IN A NEW CATEGORY OF  
STUFF WHERE THEY DO IT  
DIGITALLY JUST CAUSE IT'S COOL  
WHERE IT'D BE JUST AS EASY TO  
WRITE ON THE DARN THING.

**Sean Carruthers:** YEAH I'VE  
GOT THE MARKER RIGHT HERE.

**Leo:** IT'S LIKE THAT SHARP  
SHOPPER THING THAT YOU TALK TO  
INSTEAD OF WRITING OUT YOUR LIST.  
ALL RIGHT, GOOD POINT.  
HOWEVER THERE IS A HIGH COOL  
FACTOR ON THIS.

**Sean Carruthers:** HIGH FIVE.

**Leo:** COMING UP IN, COMING UP  
IN JUST A LITTLE BIT.  
WHO'S COMING UP NEXT?  
OH RICK YAEGER'S HERE.  
HE'S GONNA SHOW YOU WAYS TO  
PROTECT YOUR LAPTOP.

**Sean Carruthers:** GOOD.

**Leo:** SOME NEAT, NEW LAPTOP THINGS.  
I HAVE ONE I REALLY LIKE I'M  
GONNA SHOW YOU TOO.  
I LOVE IT.  
BUT FIRST ONE LAST CHANCE TO  
TAKE OUR QUICK QUIZ QUESTION OF  
THE DAY.

[Blank for boards]

**Leo:** RRRRR.

[Blank for boards]

**Leo:** I DON'T KNOW.

YOU TELL ME.

WE'LL TALK ABOUT IT WHEN "THE  
LAB" CONTINUES.

[MUSIC]

[Pop captions down]

[Commercial break]

[MUSIC]

[Pop captions up]

**Leo:** WELCOME BACK TO "THE LAB".  
BEFORE THE BREAK WE ASKED YOU  
HOW FAST THE FASTEST TRAIN HAS  
EVER GONE?

I DON'T KNOW.

379 KILOMETRES AN, WHAT?

**Sean Carruthers:** WOW.

**Leo:** WOW IS RIGHT.

THAT'S A LITTLE SCARY.

THAT'S A BULLET TRAIN LIKE A  
BULLET, 581 KILOMETRES.

WHERE WAS THAT SEAN?

**Sean Carruthers:** IT WAS IN JAPAN.

**Leo:** IT WAS IN JAPAN.

WAS IT A MAGLEV OR WAS IT A --

**Sean Carruthers:** YES IT WAS.

**Leo:** IT WAS A MAGLEV TRAIN  
SO THEY DON'T EVEN TOUCH THE TRACKS.

[Pop captions down]

**Leo:** THEY JUST FLOAT.

**Rick Yaeger:** NO FRICTION.

**Leo:** PHOO, BUT YOU KNOW I  
GET SCARED, WHEN YOU GO THAT  
FAST I GET NERVOUS.  
I'M NOT SURE YOU KNOW WHAT A  
CRASH AT THAT SPEED, YOU'RE MILK.

**Rick Yaeger:** YEAH.

**Leo:** SO WE'RE GONNA TALK  
RICK YAEGER'S HERE HE'S THE  
MACMERC FROM MACMERC.COM.  
IT'S GOOD TO SEE YOU AGAIN RICK.

**Rick Yaeger:** GOOD TO BE SEEN.

**Leo:** AND YOU'VE GOT A BUNCH  
OF NOW HE'S THE MAC GUY SO HE'S  
GOT A BUNCH OF MAC CASES FOR US.

**Rick Yaeger:** I DO.

**Leo:** COVERS REALLY.

**Rick Yaeger:** THEY'RE SHELLS.

**Leo:** SHELLS.

**Rick Yaeger:** THEY'RE LIKE HARD SHELLS.

THIS IS THE, THE CADILLAC.

THE CASE-MATE SIGNATURE SUIT.

**Leo:** CASE-MATE MAKES A LOT  
OF LEATHER STUFF.

I'VE HAD THEIR IPHONE CASE.

**Rick Yaeger:** RIGHT.

**Leo:** SO THIS IS ONE FOR A, A  
POWERBOOK OR A MACBOOK.

[Pop captions up]

**Rick Yaeger:** A, A MACBOOK  
PRO AND IT SLIPS ON WITH THESE  
WITH LITTLE ELASTIC WRAPS.

[Pop captions down]

**Leo:** DO YOU LIKE IT?  
DOES IT HOLD ON PRETTY WELL?

**Rick Yaeger:** IT HOLDS ON  
REASONABLY WELL.  
THE, THE BOTTOM DOESN'T  
ACTUALLY HOLD ON BY MUCH OTHER  
THEN YOU KNOW UM --

**Leo:** YEAH.  
AND IT MAKES IT KIND OF LOOK  
LIKE YOU HAVE AN ATTACHE CASE.  
LET'S SEE.

LET'S SEE.

**Rick Yaeger:** YEAH LET ME JUST SNAP THAT IN.

**Leo:** YEAH.

**Rick Yaeger:** AND THIS WOULD  
GO ON LIKE SO.

**Leo:** THAT'S PRETTY.

**Rick Yaeger:** IT'S NICE.  
I WISH THEY HAD COVERED OVER  
THE APPLE --

**Leo:** YEAH THAT'S SILLY.

**Rick Yaeger:** I'M A, I'M A  
MAC FAN BOY BUT I, I DON'T --

**Leo:** WE DON'T NEED THAT.

**Rick Yaeger:** IT'S GOT ENOUGH YOU KNOW.

**Leo:** BUT IT LOOKS LIKE ALL  
OF THESE CASE-MATES HAVE HOLES  
IN THEM.

I IMAGINE THEY ALSO MAKE THESE  
FOR OTHER MODELS.

**Rick Yaeger:** RIGHT.

**Leo:** AND FOR PROBABLY PCS AS  
WELL IT LOOKS LIKE.

**Rick Yaeger:** I FOUND THIS  
YOU NEED A USUIT, WHICH IS --

**Leo:** SLIMMER.

**Rick Yaeger:** KIND OF A CROSS  
BETWEEN THE, THE CASE-MATE AND  
THE, THE SPECK SEE THRU WHICH  
WE'LL GET TO NEXT.

**Leo:** IS THIS LEATHER?

NO IT'S MORE LIKE VINYL.

**Rick Yaeger:** THEY, THEY SAY  
IT'S LEATHER BUT --

**Leo:** THEY SAY ITS LEATHER?

**Rick Yaeger:** YEAH.

**Leo:** WOW.

**Rick Yaeger:** IT'S GOT SOME,  
THEY BOTH HAVE --

**Leo:** LEATHER FROM THE FINE  
RUBBER PLANT.

**Rick Yaeger:** IT'S FROM THE NOGAS OF --

**Leo:** YEAH THE NOGA, NOGAHYDE.  
WELL I GUESS IT COULD BE LEATHER.

**Rick Yaeger:** UM THIS ONE HAS  
A NICE SATINY FINISH ON THE INSIDE.  
THIS ONE'S GOT SOME, SOME VELVET --

[Both talking at once]

**Leo:** IT'S LIKE ALLIGATOR OR  
OH THE INSIDE IS VELVETY.

**Rick Yaeger:** A LITTLE VELVETY.

**Leo:** VERY NICE YEAH.

**Rick Yaeger:** SO --

**Leo:** YEAH, I DON'T LIKE THAT AS MUCH.  
I WANT SOMETHING A LITTLE MORE TECHY.

**Rick Yaeger:** OKAY TECHY?

**Leo:** I'M ALSO WORRIED ABOUT  
HEAT TO BE HONEST WITH YOU.

**Rick Yaeger:** YEAH.

I, I DIDN'T NOTICE --

[Both talking at once]

**Leo:** THAT LOOKS LIKE A BLANKET.

**Rick Yaeger:** I DIDN'T NOTICE  
ANY PROBLEMS WITH THIS ONE.  
AND IF YOU ARE WORRIED ABOUT  
HEAT AND WANT LEATHER STAY AWAY  
FROM THE CASE-MATE GO WITH THE

UNIA BECAUSE IT DOES OFFER A  
LITTLE BIT OF --

**Leo:** A LITTLE MORE VENTILATION.

**Rick Yaeger:** A LITTLE BIT OF  
VENTILATION OUT OF THE BACK YEAH.

**Leo:** NOW THESE ARE SPECK'S  
BEEN DOING THESE FOR A YEAR AND  
I LIKE THESE A LOT.

**Rick Yaeger:** YEAH THE SPECK  
SEE THRU THEY, THEY COME IN NEW COLOURS.  
THEY'RE PACKAGED THUSLY.

**Leo:** THEY'RE REALLY LIKE  
CANDY, HARD CANDY SHELLS --

**Rick Yaeger:** EXACTLY.

**Leo:** FOR YOUR NOTEBOOK COMPUTER.

**Rick Yaeger:** THEY COME IN RED, BLUE --

**Leo:** SO THEY OFFER A MEASURE  
OF PROTECTION AS WELL BECAUSE  
OF THE, OF THE, OF THE PLASTIC.

**Rick Yaeger:** RIGHT WELL I  
CAN, I CAN SHOW YOU ON MY ON  
THE BOTTOM ONE.

THIS IS THE ONE I'VE BEEN USING  
ON THE SHOW SINCE I, SINCE I  
STARTED THE JOB.

[Both talking at once]

**Leo:** OH THAT'S RIGHT YOU  
ALWAYS, YOU ALWAYS HAD THESE  
AND LOOK HOW SCRATCHED IT IS.  
SO THAT'S SO THOSE ARE ALL THE  
SCRATCHES YOUR LAPTOP DID NOT GET.

**Rick Yaeger:** DID NOT GET.  
THE OTHER PLUS OF THIS IS --

**Leo:** HERE LET ME HOLD THIS  
UP SO THAT YOU CAN, I DON'T  
KNOW CAN YOU SEE THAT?  
YOU PROBABLY CAN'T SEE THE SCRATCHES.  
SEE THIS IS ME WITHOUT  
SCRATCHES, THIS IS --

[Pop captions up]

**Leo:** SEE?  
YEAH YOU CAN TELL.  
THERE'S SOME SCRATCHES THERE  
YEAH, YEAH THAT'S HMM.

[Pop captions down]

**Rick Yaeger:** WITH THE CLEAR  
CASE BECAUSE IT'S CLEAR.

**Leo:** YEAH.

**Rick Yaeger:** YOU CAN PRINT  
OUT SOMETHING NICE AND GAUDY.

**Leo:** I LIKE THAT IDEA.  
SO YOU COULD ACTUALLY MAKE THIS  
A COLOURED CASE JUST BY HAVING AN INSERT.

**Rick Yaeger:** PRINT IT OUT, PUT IT ON THERE.

**Leo:** YEAH.

**Rick Yaeger:** UM I'LL JUST PEEL THIS OUT.

**Leo:** THAT'S JUST PAPER.

**Rick Yaeger:** THAT'S JUST --

**Leo:** SO IT DOESN'T MAR, MAR ANYTHING.

**Rick Yaeger:** RIGHT.

**Leo:** LOOK AT THAT YEAH,  
THAT'S NICE.

**Rick Yaeger:** THAT'S JUST OFF  
AN INKJET PRINTER AND YOU CAN ALSO --

**Leo:** THAT'S A NICE IDEA, PUT STICKERS ON IT.

[Pop captions up]

**Rick Yaeger:** GO TO YOUR, GO  
TO YOUR FAVOURITE TECH INVENTION --

**Leo:** RIGHT.

**Rick Yaeger:** AND NOT TURN  
DOWN ANYONE THAT HANDS YOU A STICKER.  
AND THEN YOU CAN STILL GO HOME  
AND YOUR MOM WON'T KILL YOU FOR  
PUTTING STICKERS ALL OVER YOUR  
EXPENSIVE LAPTOP.

[Pop captions down]

**Leo:** I'M GONNA SHOW YOU WHAT  
I JUST GOT.  
I GOT THESE AT MACWORLD AND I'M  
JUST FOND OF THIS TO --

**Rick Yaeger:** THESE ARE COOL.

**Leo:** TO NO END.  
THIS IS FROM A COMPANY CALLED GELASKINS.  
THEY USE A 3M MATERIAL THAT APPLIES.  
NOW IT WORKS PARTICULARLY WELL  
ON A WHITE NOTEBOOK LIKE THIS.  
LOOK AT THAT.  
ISN'T THAT?

**Rick Yaeger:** HMM.

[Pop captions up]

**Leo:** BUT THEY ALL KINDS OF FINE ART.  
THIS IS JUST ONE I, I PICKED.  
THE ONLY NEGATIVE IS THEY'RE  
PRICEY, 40 BUCKS BUT --

[Pop captions down]

**Rick Yaeger:** 40 BUCKS?

WELL THIS IS 50, 50 PER.

**Leo:** THAT PROVIDES MORE PROTECTION.

**Rick Yaeger:** RIGHT.

**Leo:** I DON'T THINK THIS PROTECTS ANYTHING.

**Rick Yaeger:** AND IF YOU'VE,  
IF YOU'VE GOT A LITTLE BIT MORE  
THAN 50 BUCKS YOU CAN BUY TWO  
OF THEM, PUT RED ON THE TOP,  
BLUE ON THE BOTTOM.

**Leo:** OOH IT'D BE REALLY FANCY.

**Rick Yaeger:** GET A LITTLE,  
GET A LITTLE FANCY.

**Leo:** AND HOW MUCH ARE THE  
LEATHER ONES?

**Rick Yaeger:** THE, THE CASE-  
MATE I HAVE IT RANGES FROM 110 TO 170.

**Leo:** OKAY SO NOW THIS ISN'T  
AS PRICEY AS I THOUGHT.

**Rick Yaeger:** RIGHT AND THE  
UNIA IS ABOUT 70 BUCKS.

**Leo:** YEAH.

THE NICE THING ABOUT THE  
JELASKINS IS YOU CAN CHANGE  
THEM AT, AT WILL.  
THEY DON'T PROVIDE MUCH  
PROTECTION BUT THEY AND THEY DO  
HIDE THE APPLE.

**Rick Yaeger:** HOW DO THEY DO THAT?

**Leo:** THEY JUST PASTE RIGHT OVER.

[Pop captions up]

**Rick Yaeger:** IT JUST DOESN'T  
LIGHT UP THROUGH IT?

**Leo:** ISN'T THAT, ISN'T THAT CUTE?

I JUST LOVE THAT!

I JUST THINK THAT'S SO MUCH FUN.

RICK YAEGER'S THE MACMERC AT

MACMERC.COM.

**Rick Yaeger:** YES.

**Leo:** HE'S A GRAPHIC ARTIST,  
GRAPHIC DESIGN PROFESSIONAL AND  
YOU GET LOTS OF GREAT STUFF ON  
MACMERC NOT JUST MAC NEWS.  
BUT ALSO PHOTOSHOP TUTORIALS  
AND A LOT MORE.

**Rick Yaeger:** RIGHT.

**Leo:** IT IS A REALLY GREAT SITE.  
THANKS FOR BRINGING ALL THESE  
FUN THINGS BY.  
I LIKE THE SPECK I HAVE TO SAY.

**Rick Yaeger:** I DO TOO.

**Leo:** I THINK FOR THE --

**Rick Yaeger:** THAT'S WHY I USE IT.

**Leo:** FOR THE PROTECTION IT'S  
GREAT AND IT, AND IT, AND THEY,  
AND THEY LOOK COOL.  
THEY DON'T, THEY DON'T MAR THE  
BEAUTY OF THE LAPTOP.

[Pop captions down]

**Rick Yaeger:** RIGHT.

**Leo:** BUT THEY JUST LOOK,  
LOOK REALLY COOL.  
ALL RIGHT WE'RE GONNA TAKE A  
BREAK, HAVE SOME FINAL WORDS  
FOR YOU RIGHT AFTER THIS.  
YOU STAY RIGHT HERE.

[MUSIC]

[Commercial break]

[MUSIC]

**Leo:** WELCOME BACK TO "THE LAB".

YOU KNOW WE TALKED I TALKED  
ABOUT MY JELASKIN.  
I FORGOT THAT ALEX LINDSAY HAD ONE.  
THIS IS, THIS WAS A KIND OF A  
SPECIAL EDITION DONE AT MACWORLD.  
SEE IT SAYS MACWORLD 2008?

**Kate:** THAT'S SO --

**Leo:** BY THE SAME ARTIST AS,  
AS DID THIS ONE.  
HER NAME IS NANAMI COWDROY.  
BUT I HAD TO SHOW YOU ONE MORE.  
ISN'T THAT FUNNY?  
THIS IS ON KATE'S COMPUTER OVER HERE.  
THAT'S CALLED ITS CALLED ROUGH  
NIGHT OUT.  
IT'S MARIO AND LUIGI.

**Kate:** LOOKING A LITTLE BIT  
WORSE FOR WEAR.

**Leo:** LOOKING WORSE FOR WEAR.  
THEY, THEY COMMISSION THESE  
FROM FINE ARTISTS.

**Kate:** THAT'S RIGHT.

**Leo:** THEY HAVE, THEY HAVE  
SOME YOU KNOW SOME VAN GOGH AND  
THEY HAVE THAT FAMOUS WAVE  
PAINTING, THAT CHINESE WAVE.

**Kate:** YES.

**Leo:** OH I LOVE THAT.  
SO THERE'S SOME BEAUTIFUL STUFF.

**Kate:** THAT IS STUNNING EY?

**Leo:** ISN'T IT PRETTY?  
JUST I DON'T KNOW ONE OF THE  
THINGS ABOUT A PERSONAL

COMPUTER IS THAT IT'S PERSONAL.  
AND SINCE THEY ALL LOOK THE  
SAME ANYTHING YOU CAN DO TO  
MAKE IT UNIQUE AND YOURS.

**Kate:** ABSOLUTELY.

**Leo:** I THINK THEY PROBABLY  
GOT THIS IDEA WHEN THEY NOTICED  
THAT A LOT OF GEEKS WERE  
PUTTING STICKERS ON THEIR  
LAPTOPS AND --

**Kate:** I'VE SEEN THAT A LOT  
WITH A LOT OF GUESTS.

**Leo:** RIGHT THEY NOW ALL HAVE  
STICKERS ON THERE.

[Pop captions up]

**Leo:** RIGHT LIKE TRIS HUSSEY AND --

[Both talking at once]

**Kate:** TALK ABOUT GEEKY, COVERED.

**Leo:** YEAH AND THEN THE, THE,  
THE EVEN COOLER THING WHICH  
SOME PEOPLE ARE DOING LEAH  
CULVER STARTED THIS IS ETCHING  
LASER ETCHING THEM WITH LOGOS  
AND SO FORTH.

**Kate:** OKAY.

**Leo:** SHE ACTUALLY PAID FOR  
HER MACBOOK, SHE, SHE WENT  
ONLINE AND SAID YOU KNOW PAY,  
PAY ME TO PUT MY LOGO ON MY MACBOOK.

**Kate:** THAT'S CLEVER MARKETING.

**Leo:** SHE'S A PROGRAM  
DESIGNED ACCOUNTS AND YOU KNOW  
I THINK IT'S VERY SMART.

IT'S VERY COOL.

I MIGHT GET ONE, ONE LASER

ETCHED JUST FOR FUN.

ANYWAY THANK YOU VERY MUCH.

**Kate:** THANK YOU.

**Leo:** IF YOU WANT TO BE ON

THE SHOW THEY CAN GO TO OUR

WEBSITE YES?

**Kate:** THEY CAN.

IT'S LABWITHLEO.COM.

WE HAVE A TECH QUESTIONS PAGE

ON THERE.

IF YOU SUBMIT YOUR QUESTION TO

US WE WILL GET YOU ON THE SHOW

AND WE WILL SORT OUT YOUR TECH WOE.

**Leo:** WE WILL DO OUR BEST ANYWAY.

**Kate:** INDEED.

I ALWAYS GUARANTEE WITH YOU DON'T I?

**Leo:** DON'T GUARANTEE.

**Kate:** YOU GET A LIFETIME GUARANTEE.

**Leo:** YOU KNOW I, I CAN'T

ALWAYS HELP BUT I DO MY BEST.

[Pop captions down]

**Leo:** HEY WE'RE SO GLAD

YOU'RE HERE AND COME BACK

TOMORROW WOULD YOU?

WE'LL SEE YOU THEN.

BYE-BYE.

**Kate:** BYE-BYE.

[MUSIC]

[Coins bouncing]

[MUSIC]

[Pop captions up quickly]

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[Pop captions down]