

Cards - Front

Invisibility Cloak

Wrap yourself in a carefully positioned array of Psyche's solar electric thrusters, ionizing xenon gas around you to create a shimmering plasma field. Does it actually make you invisible? No. But it does make you look like a ghostly space wizard.

Effectiveness: 🚀🚀🚀🚀🚀

Chaos Factor: 🌟🌟🌀🌀🌀

Scientific Accuracy: 🔭

Component Options: Bridge

Template Size: 63.08mm (W) x 94.83mm (H)

Jovian Fastball

With reckless ingenuity and no regard for orbital mechanics, Psyche hurls one of Jupiter's many moons straight at the threat.

Effectiveness: ★★★★★👤👤

Chaos Factor: ★★★★★🚀

Scientific Accuracy: 🔪

Redshift Accelerator

By cleverly manipulating the spectrometer, Psyche amplifies an object's redshift, convincing the universe it's already in rapid retreat. The result? Psyche actually takes off at high speed. Problem solved, with physics left slightly perplexed.

Effectiveness: ★★☆☆🚀🚀

Chaos Factor: ★★★★★

Scientific Accuracy: 🔪

Systems Engineering

When in doubt, throw a flowchart at it. With enough requirements, trade studies, and design reviews, even an alien invasion can be designed out of existence.

Effectiveness: ★🧑🧑🧑🧑

Chaos Factor: 🚀🚀🚀🚀🚀

Documentation

Well, the answer's in the documentation somewhere, I'm sure. We did make sure to document everything...right?

Effectiveness: 🦸🦸🦸🦸🦸

Chaos Factor: 💣🚀🚀🚀🚀

Lucky Peanuts

Feeling a bit shaky? Time to channel some JPL luck with their famous peanuts. If they worked for Viking and Curiosity, I'm sure they'll work here too!

Effectiveness: ★★☆☆🚀🚀

Chaos Factor: ✨🚀🚀🚀🚀

Tap Out

It works in Jiu Jitsu, why not in deep space? If the problem's too tough, just gracefully tap out and hope Mission Control has your back.

Effectiveness: 🥋🥋🥋🥋🥋

Chaos Factor: 💥💥🚀🚀🚀

PowerPoint Presentation

A well-placed PowerPoint can convince physics or even an alien civilization that everything is going exactly as planned. Bonus points for adding unnecessary animations.

Effectiveness: ★★🧑🧑🧑

Chaos Factor: 💥🚀🚀🚀🚀

Descope

If we descope enough, maybe they won't see us as a threat—just a friendly spacecraft minding its own business! Plus, if we never intended to do science, is it really a failure?

Effectiveness: ★★★★★🚶

Chaos Factor: 🚀🚀🚀🚀🚀

Warning: Possibility of losing all funding

Premature Powers

The spacecraft confidently taps into the mighty forces of asteroid Psyche—despite being millions of miles away. Maybe it's psychic? Maybe it's just wishful thinking? Either way, with a Massachusetts-sized metal asteroid as its imaginary power source, Psyche is feeling unstoppable.

Effectiveness: ★👤👤👤👤

Chaos Factor: 💥💥🚀🚀🚀

Starlink Backup Crew

Psyche remembers the many Starlink launches before and after its own and decides to call in a favor. A swarm of friendly internet satellites zips in to assist—whether it's relaying messages, providing moral support, or just making space feel a little less lonely.

Effectiveness: ★★★★★👤👤

Chaos Factor: ★★★★★

Bribery

Offer the intruder some redundant spacecraft parts and pray they don't realize they're getting scammed.

Effectiveness: ★★👤👤👤

Chaos Factor: ⚡⚡⚡⚡⚡

Reality Rewiring Ray

Adjusts the fundamental laws of physics... for better or worse. Who needs gravity all the time, anyway?

Effectiveness: ★★★★★👤👤

Chaos Factor: ★★★★★

Scientific Accuracy: 🔧

Hyper-Evolved Goldfish

*A tiny fish in a floating water sphere
who somehow understands orbital
mechanics better than you do.*

Effectiveness: ★★★★★👤👤

Chaos Factor: ✨✨🚀🚀🚀

No-Fly Zone

*Just tell any threats they're not
allowed here. Maybe they'll respect
space bureaucracy.*

Effectiveness: 🧑🏿‍🚀🧑🏿‍🚀🧑🏿‍🚀🧑🏿‍🚀🧑🏿‍🚀

Chaos Factor: 💣💣🚀🚀🚀

Big Red Button

There's always a Big Red Button. No one knows what it does. No one dares press it. But desperate times call for chaotic solutions. Initiating... something.

Effectiveness: ★★🧑🧑🧑

Chaos Factor: 🔥🔥🔥🔥🔥

Time-Traveler

They've seen the future, lived the past, and charge way too much for advice. Will their cryptic warnings save the mission—or just leave you more confused?

Effectiveness: ★★☆☆👤👤

Chaos Factor: 🔥🔥🔥🚀🚀

The Egg Cracks

Turns out Psyche wasn't just a metal asteroid—it was an egg, and whatever just hatched is very interested in helping...or at least really good at smashing things. Deploy your newfound alien ally to fix the problem!

Effectiveness: ★★★★★👤

Chaos Factor: ★★★★★

The Alcubierre Maneuver

Who needs fuel when you can just bend spacetime? Engage the warp bubble, break physics, and hope the universe doesn't notice.

Effectiveness: ★★★★★🚶🚶

Chaos Factor: ★★★★★🚀

Brute Force Calculation

If you throw enough computing power at a problem, it has to solve itself...right? Just pray your processor doesn't melt.

Effectiveness: ★★👤👤👤

Chaos Factor: 💣🚀🚀🚀🚀

The Boltzmann Brain

What if you're just a random, self-aware fluctuation in deep space? If so, none of this is real... but hey, no real problem, either!

Effectiveness: ★★🧑🧑🧑

Chaos Factor: 💣🚀🚀🚀🚀

Unintended Consequence:

Existential crisis

Borrowed Time

Who needs redundancies when you need more juice NOW? Just don't think too hard about what systems you just sacrificed...

Effectiveness: ★★★★★👤

Chaos Factor: ★★★★★

Reverse the Polarity!

Nobody actually knows what this means, but it always sounds like the right move. Flip every setting to its exact opposite and just... see what happens.

Effectiveness: ★🧑🧑🧑🧑

Chaos Factor: ★★★★★

Frisbee of Doom

Originally designed for deep-space communication, this high-gain X-band antenna also happens to be perfectly shaped for high-velocity disc throws. Whether you need to send a signal or send something flying, it's got range.

Effectiveness: ★★★★★👤

Chaos Factor: ★★★★★

Solar Panel Nunchucks

*Fold 'em, snap 'em, and now
Psyche's massive solar arrays are
deadly in the right hands. Great for
generating power and taking down
space bandits.*

Effectiveness: ★★☆☆👤👤

Chaos Factor: ★★★★★🚀

Deep Space Blaster

NASA's Deep Space Optical Comm laser was built for high-bandwidth data transmission, but it also happens to be a great way to blind an enemy spacecraft or mess with an alien cat from 200 million miles away.

Effectiveness: ★★👤👤👤

Chaos Factor: 🔥🔥🔥🚀🚀

Drum Kit

Bang on the reaction wheels, tap the solar array panels, and turn the high-gain antenna into a cymbal. If comms are down, at least you can signal with sick beats.

Effectiveness: 🧑🏻‍🚀 🧑🏻‍🚀 🧑🏻‍🚀 🧑🏻‍🚀 🧑🏻‍🚀

Chaos Factor: 💥 💥 🚀 🚀 🚀

Solar Panel Origami

Fold and reshape the solar arrays into giant paper cranes. Not useful, but a nice way to pass the time in deep space.

Effectiveness: 🧑🏻 🧑🏻 🧑🏻 🧑🏻 🧑🏻

Chaos Factor: 💥 🚀 🚀 🚀 🚀

Quantum Coin Flip

*A 50/50 chance of fixing
everything... or making it infinitely
worse.*

Effectiveness: ★★★★★

Chaos Factor: ★★★★★

Pocket-Sized Wormhole

Finally, an escape plan! Too bad it only works for very small objects.

Effectiveness: ★★☆☆🚶🚶

Chaos Factor: ✨🚀🚀🚀🚀

Scientific Accuracy: 🔪

Suspiciously Helpful AI

Claims it doesn't want to take over the ship. Probably lying.

Effectiveness: ★★★★★👤

Chaos Factor: ★★★★★🚀

Summon the Ancient Space Bureaucracy

*They will take centuries to process
your distress call, but hey, it's
something.*

Effectiveness: 🧑🏻 🧑🏻 🧑🏻 🧑🏻 🧑🏻

Chaos Factor: 💥 💥 🚀 🚀 🚀

A Shameless Plug

Desperate times call for desperate measures. Psyche quickly broadcasts a message: 'Follow @MissionToPsyche on Instagram for real-time updates and exclusive content!'

Effectiveness: 🧑🏻‍🚀🧑🏻‍🚀🧑🏻‍🚀🧑🏻‍🚀🧑🏻‍🚀

Chaos Factor: 🌟🌟🌟🚀🚀

Bonus Effect: NASA PR is thrilled

Solar Electric Propulsion

Psyche's Hall-effect thrusters fire out charged xenon ions, creating a beautiful blue glow... and about as much thrust as holding an AA battery. Slow? Yes. Cool? Absolutely. Also, if an intruder shows up, we can lightly push them away over the course of several weeks.

Effectiveness: ★★🚶🚶🚶

Chaos Factor: 🌟🚀🚀🚀🚀

Multispectral Selfie Stick

Why settle for a regular photo when you can capture your asteroid adventure in every wavelength? Perfect for revealing hidden secrets—or just finding out if Psyche looks better in infrared.

Effectiveness: ★★ ★ 🧑 🧑

Chaos Factor: ✨ 🚀 🚀 🚀 🚀

Magnetometer

Whether it's Psyche's ancient magnetic field or a rogue piece of space junk, this trusty sensor will sniff it out.

Effectiveness: ★★★★★👤

Chaos Factor: 🌟🚀🚀🚀🚀

Gravitational Wi-Fi

By tracking tiny shifts in radio waves, we can map Psyche's gravity, mass, and rotation—basically using deep-space Wi-Fi to weigh an asteroid. Also handy for detecting invisible forces... like sneaky aliens.

Effectiveness: ★★★★★

Chaos Factor: ✨🚀🚀🚀

Spectrometer of Truth

*Point, scan, and instantly reveal
what that alien—or suspiciously
aggressive space debris—is made of.*

*Knowledge is power, and
sometimes, power means knowing if
you should run.*

Effectiveness: ★★★★★👤

Chaos Factor: ✨✨🚀🚀🚀

Psyche Cannonball

At over 6,000 pounds, Psyche may not be the fastest, but it is the heaviest thing around. If all else fails, just fire the thrusters and barrel straight through the problem, DART-style.

Effectiveness: ★★★★★

Chaos Factor: ★★★★★

Deep Space Hotline

Psyche stays in touch using four antennas and NASA's Deep Space Network. Perfect for sending science data, receiving commands, and desperately calling home when things go very wrong.

Effectiveness: ★★☆☆🧑🏫🧑🏫

Chaos Factor: 💥🚀🚀🚀🚀

Too Big to Fail

With its solar panels deployed, Psyche stretches 81 feet—about the size of a tennis court. Great for collecting sunlight, terrible for fitting into tight spaces. If something needs swatting, though... we've got reach.

Effectiveness: ★★★👤👤

Chaos Factor: ★★★★★🚀

Bonus Effect: Could theoretically win a space tennis match

Solar-Powered Shock Trap

Psyche's solar arrays generate up to 21 kilowatts of power—plenty for running instruments, charging systems... and, if necessary, giving an intruder the world's first deep-space zap.

Effectiveness: ★★★★★👤

Chaos Factor: ★★★★★🚀

Laser-Graffiti

Psyche's Deep Space Optical Comm wasn't designed to be a weapon, but with the right focus, it could etch a very strongly worded message onto an approaching intruder's hull.

Effectiveness: ★★ ★★ ★★★★★

Chaos Factor: ★★ ★★ ★★★★★

(Depends on artistic precision)

Deep Space Metal Detector

Psyche's gamma-ray and neutron spectrometer can analyze asteroid material by detecting emitted neutrons and gamma rays. No smuggling alien alloys on this mission!

Effectiveness: ★★★★★🚀

Chaos Factor: 🌟🚀🚀🚀🚀

Magnetic Shield

This magnetometer isn't just looking for ancient fields—it's on high alert, using magnetic forces to keep space debris and intruders at bay.

Effectiveness: ★★★★★👤👤

Chaos Factor: 🔴🔴🔴🚀🚀

Cosmic Chatroom

Using Psyche's antennas and NASA's Deep Space Network, this system sends messages not just to Earth, but to the farthest reaches of space. Whether it's science data or chatting with aliens, Psyche's got you covered—unless it's spam.

Effectiveness: ★★★★★🚶

Chaos Factor: ✨🚀🚀🚀

Unintended Consequence: Aliens
often leave you on read

Planetary Swing

Psyche harnesses the gravitational pull of nearby planets to take out space intruders or get around unexpected obstacles. Need to speed up or throw off a space pirate? Just slingshot around a planet for some extra oomph.

Effectiveness: ★★★★★

Chaos Factor: ★★★★★

Slow Down...Everything Else

Use pure adrenaline to move so fast that time itself starts to bend! Now that you have time, figure out how to actually fix the issue.

Effectiveness: ★★★★★👤

Chaos Factor: ★★★★★

Titanium Repair Kit

Using the tough, lightweight Ti6Al4V components made by Maxar, Psyche can quickly repair or reinforce parts of itself during the journey. These strut-truss structures bring strength, lightness, and flexibility—ideal for repairing a damaged part or reinforcing the spacecraft mid-flight.

Effectiveness: ★★★★★

Chaos Factor: 🚀🚀🚀🚀🚀

**A micrometeoroid just
punctured a piece of
thermal insulation!
Temperatures are
dropping fast. What's the
spacecraft's emergency
fix?**

**Telemetry is showing an
“UNKNOWN OBJECT
ATTACHED.” Do
something.**

**A rogue space probe just
planted a tiny flag on
Psyche and declared it its
own. How does the
spacecraft negotiate?**

A software update mid-mission just turned Psyche into a text-based adventure game. The only way to win is ____.

**The high-gain antenna is
now only transmitting
memes. Mission Control
will have to rely on _____
for communication
instead.**

The amount of dark energy just doubled, and now the universe is expanding twice as fast. Psyche is being yanked away at an alarming rate! The spacecraft will need _____ to fight back.

A swarm of unidentified objects is approaching at high speed. The only way to defend the spacecraft is with ____.

Mission Control has detected something following Psyche through deep space. Either it's a fan or a problem. Time to use _____ to shake it off.

**The fabric of reality itself
is starting to glitch around
the spacecraft. Psyche's
last hope is _____.**

**The spacecraft just
declared itself sentient
and refuses to follow
commands. Our only
option is ____.**

Psyche has been challenged to a high-stakes game of space poker. If it loses, the spacecraft is forfeit. The best strategy is ____.

A time traveler just arrived on board and is extremely confused. The best way to handle this is _____.

Due to an engineering oversight, Psyche's solar panels have become too powerful and are now attracting confused moths from across the galaxy. The only way to stop them is ____.

Psyche's star trackers just mistook a bright asteroid for the Sun and are now completely lost. The best way to recalibrate is

_____.

A solar flare just caused a bit flip in the onboard computer, and now it insists it was designed to land on Psyche instead of orbit. To convince it otherwise, we must deploy ____.

**The cold gas thruster is
stuck open, slowly
bleeding out Psyche's
propellant. What's the fix?**

**The neutron spectrometer
just picked up unexpected
hydrogen signatures in
deep space. Uh oh, the
aliens have water guns!**

**Psyche's 24.7-meter-long
solar panels have
somehow become wedged
between two asteroids.
How does the spacecraft
break free?**

**A mysterious bright
source is throwing off
Psyche's sun sensor. How
does the spacecraft
recalibrate and get back
on course?**

The Deep Space Optical Communications (DSOC) accidentally transmitted a cat video to an alien spacecraft. Now they're heading toward Psyche, convinced the video is a hostile message.

**Psyche's sensors just
detected spice in deep
space. Now a fleet of
sandworms is on its way.
What now?**

**A mysterious wormhole
just opened in Psyche's
path. It's either a shortcut
or a one-way ticket to a
fourth-dimensional
bookshelf. To navigate
this, Psyche will need
_____.**

**Mission control is asking if
you can 'science the
[REDACTED] out of this'
after Psyche's main power
system went down. What's
the plan?**

**Psyche just got a message
from a stranded astronaut
on Mars. The only way to
help is with _____.**

Extremely Enthusiastic Intern

Knows nothing, but has lots of energy. May cause unintended breakthroughs.

Effectiveness: ★🧑🧑🧑🧑

Chaos Factor: 🔥🔥🔥🔥🚀

Friendly Space Slug

*Slow-moving but full of wisdom.
Check their planetary alliance first,
just in case.*

Effectiveness: ★★★👤👤

Chaos Factor: 🔴🔴🔴🚀🚀

Alien Approval Rating: 100%

Turn Everything Off & Back On

*The ancient IT wisdom applies even
in space.*

Effectiveness: ★★★★★

Chaos Factor: 🚀🚀🚀🚀🚀

Laser Eyes (DSOC)

Unfortunately does not shoot lasers, but can send cat videos.

Effectiveness: ★★☆☆

Chaos Factor: 🚀🚀🚀🚀🚀

Schrödinger's Thrusters

They both work and don't work at the same time. You won't know until you fire them.

Effectiveness: ★★🧑🧑🧑

Chaos Factor: 🌟🌟🌟🌟🚀

Cosmic Duct Tape

If it can't fix it, then the problem is truly unsolvable.

Effectiveness: ★★★★★👤

Chaos Factor: 🌟🚀🚀🚀🚀

**Uh oh. Psyche's thrusters
just fired...on their
own...and now it's
spinning uncontrollably.
Quick! Use _____ to
stabilize it!**

**The solar panels are
covered in space dust!
Power is dropping fast.
What's the best way to
clean them off?**

**Psyche just accidentally
offended an advanced
Type III alien species. The
only way to make peace is
with _____.**

**Psyche flew too close to a
rogue black hole! The ship
is being pulled in. What's
the last-ditch escape
plan?**

**Psyche is suffering from
existential dread. It has
begun questioning its
purpose in the universe.
Maybe _____ will snap
Psyche out of it?**