

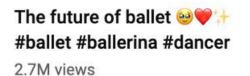
Image generated by Dall-E

WHAT IS LEGIT?

WHAT IS TRUSTWORTHY?







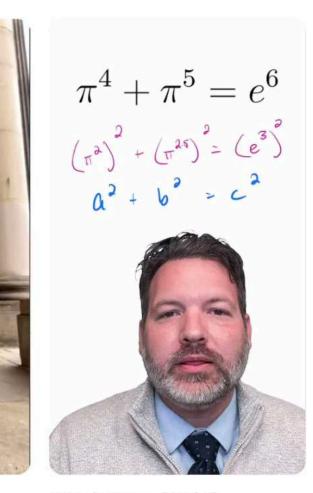


Shark Attacks People On The Boat 12M views

7.3M views

Rasputin Shuffle Dance 4

#dance #shuffledance...



A Truly Crazy "Right" Triangle

733K views



BIG TECH BIG CHEMICAL

CAL COMMUNIT



1 Million Copies Sold — 'The Real Anthony Fauci' — The book that launched a movement. BUY TODAY!

BIG FOOD

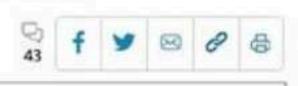
04/04/22 . COVID > VIEWS

COVID Vaccines Don't Prevent Transmission, Severe Illness or Deaths, Data Show

BIG ENERGY

All we have to do is look at high-quality epidemiological data to get to the truth — COVID-19 vaccines aren't preventing COVID or its transmission, and they aren't preventing severe illness or death.

By Meryl Nass, M.D.



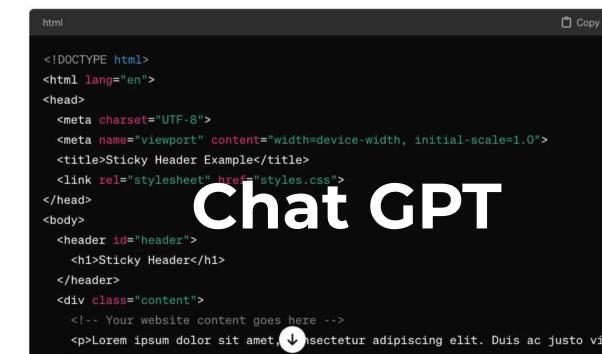




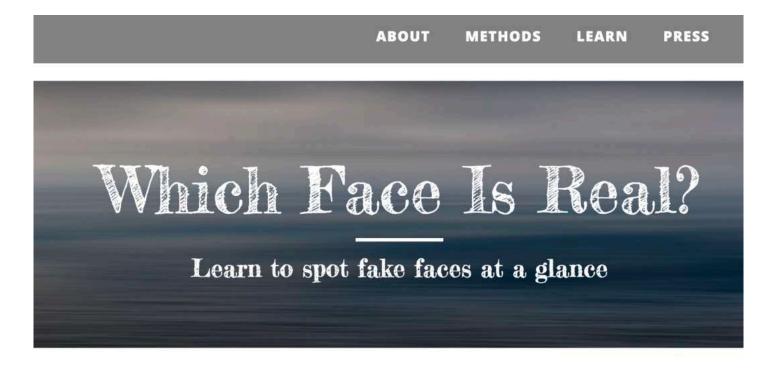
Sure, here's an example of how you can create a sticky header for a website using HTML, CSS, and JavaScript:

Show me a code snippet of a website's sticky header in CSS and JavaScript.

HTML



Some resources on learning about Al



As remarkable as the StyleGAN algorithm is, it leaves a number of "tells" in each image it creates. These vary from image to image — not every one has all or even many of these glitches — but with a bit of practice you can learn to spot them at a glance. We learned many of these tricks from the excellent tutorial published by Kyle McDonald in 2018.

Water-splotches

We can't expect future algorithms to have this problem, but one of the distinguishing features of the current StyleGAN algorithm is that it commonly produces shiny blobs that look somewhat like water splotches on old photographic prints. These are a dead giveaway. Water splotches can appear



Welcome to My Ad Center

A place for **kids and teens** to learn about ads

Google doesn't show personalized ads to anyone under 18

HOW NORMAL AM I?

Experience how "artificial intelligence" judges your face

Access to your camera is necessary, but no personal data is collected.



What are personalized ads?

When ads are personalized, that means someone's personal info is used to make their ads more useful. But data about kids and teens are extra protected. So Google doesn't share their personal info, like birthdays or activity history, with advertisers.

For example: You won't see ads related to the YouTube videos you watched last month



...how to use them in an engaging way?

Digital Schnitzeljagd



- √ 30-60 min outdoor game
- √ team size 2-4, ages 14+
- ✓ navigated by a phone app
- ✓ Follow-up workshop







Grow Trails at a glance...

550+ students school visits summer camps

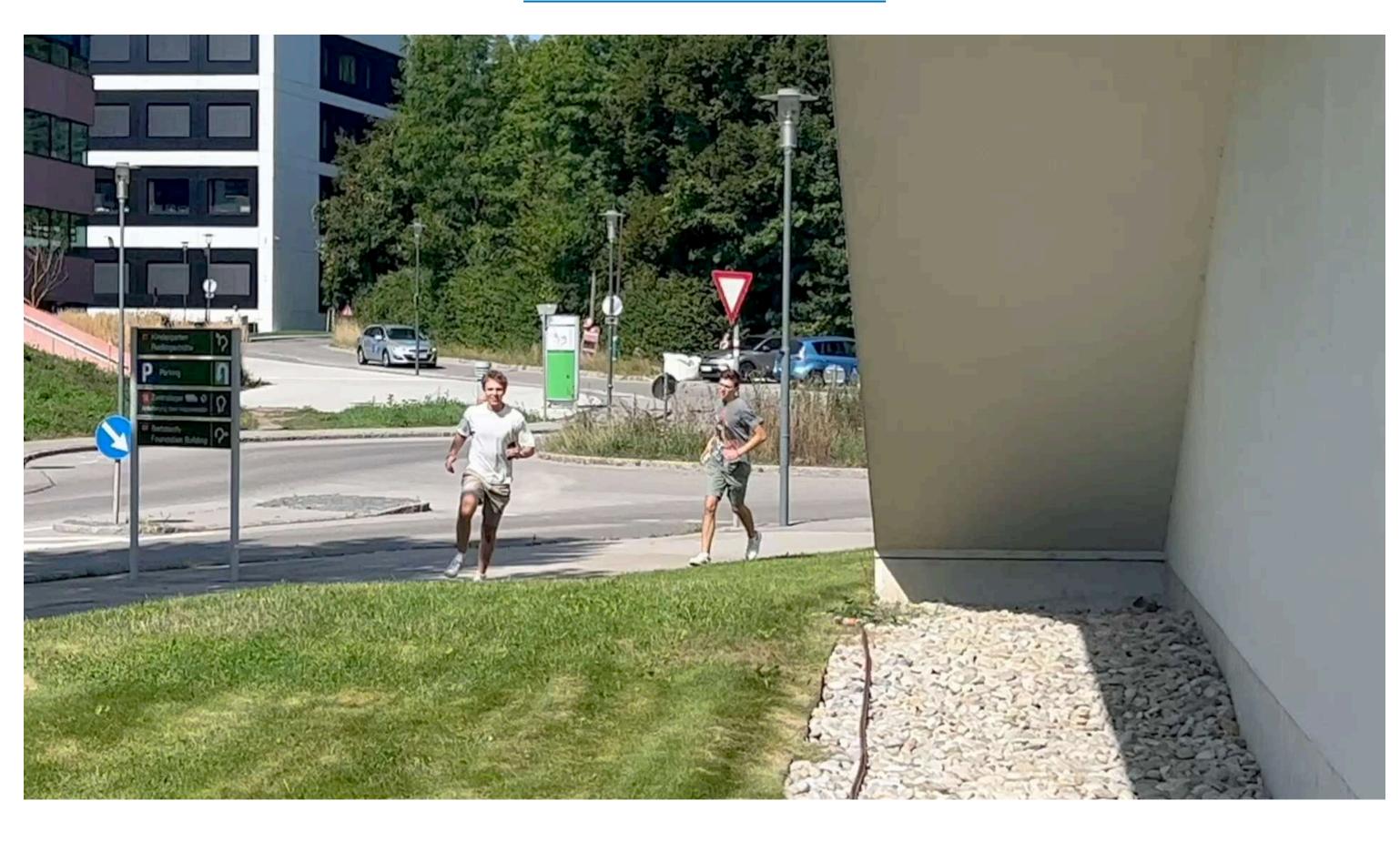
"Great exercise for both your legs and brain."

"This was serious fun."

"Some fun but generally very interesting. It is important to understand what AIs and algorithms can do. This lesson was very useful."

"We have never done anything like this before."

Click to see the video













"I realized some things that were true about myself and my reactions to online content. I know I have to be more careful about social media etc. This game emphasized it."



"I extremely enjoyed it. We were having fun and experiencing a new type of game. In the beginning I wasn't sure if I would play it but after starting I was fully in game. I reckon, I would play it once more if I had this opportunity."

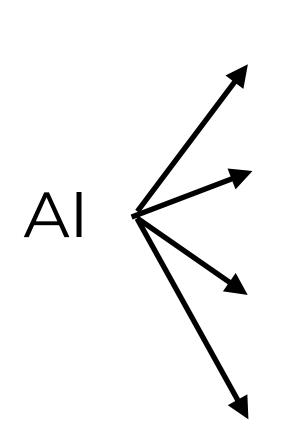
"The game was amazing. It's theme is really close to my interests and things that I am worried about. I really liked the "sequence" task and how it explains our biases."





Case study: The Whistleblower game





Data Collection

Behaviour prediction

Social Media

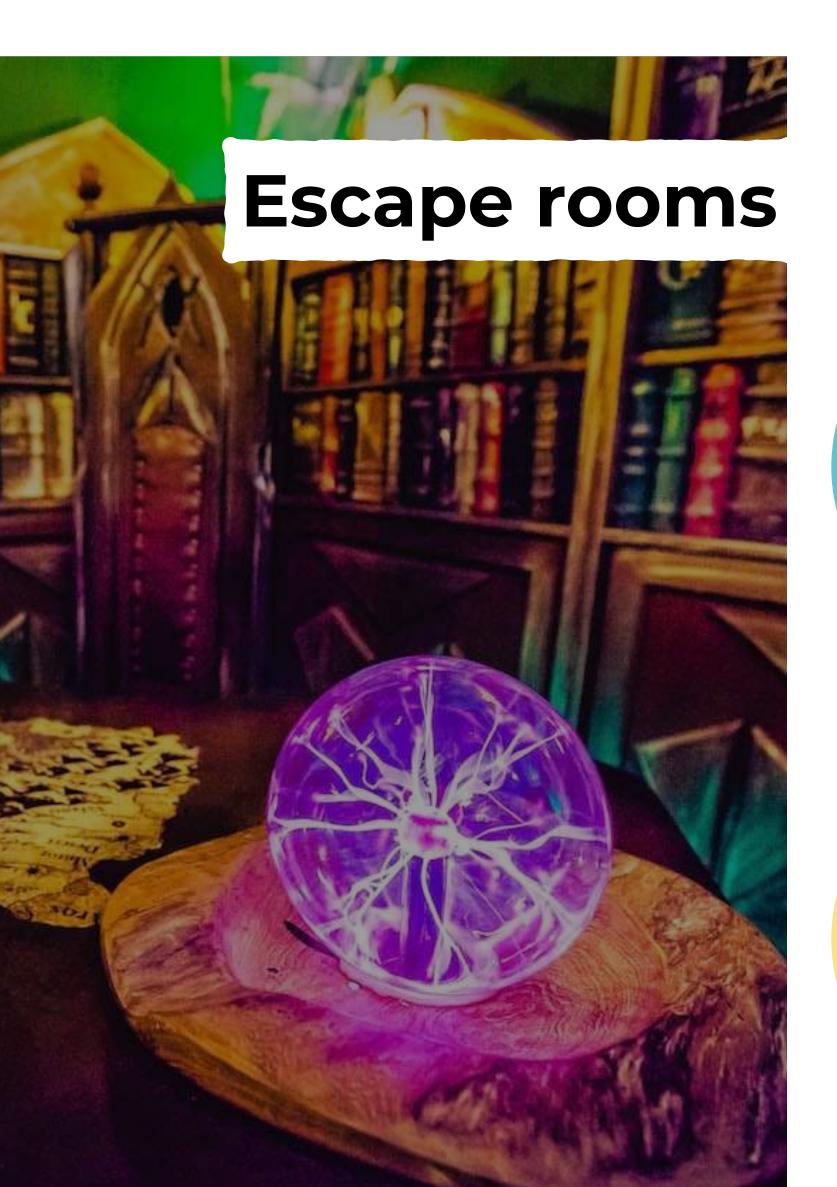
Fake Content



Can you solve the mysterious disappearance of an employee in a social media giant?

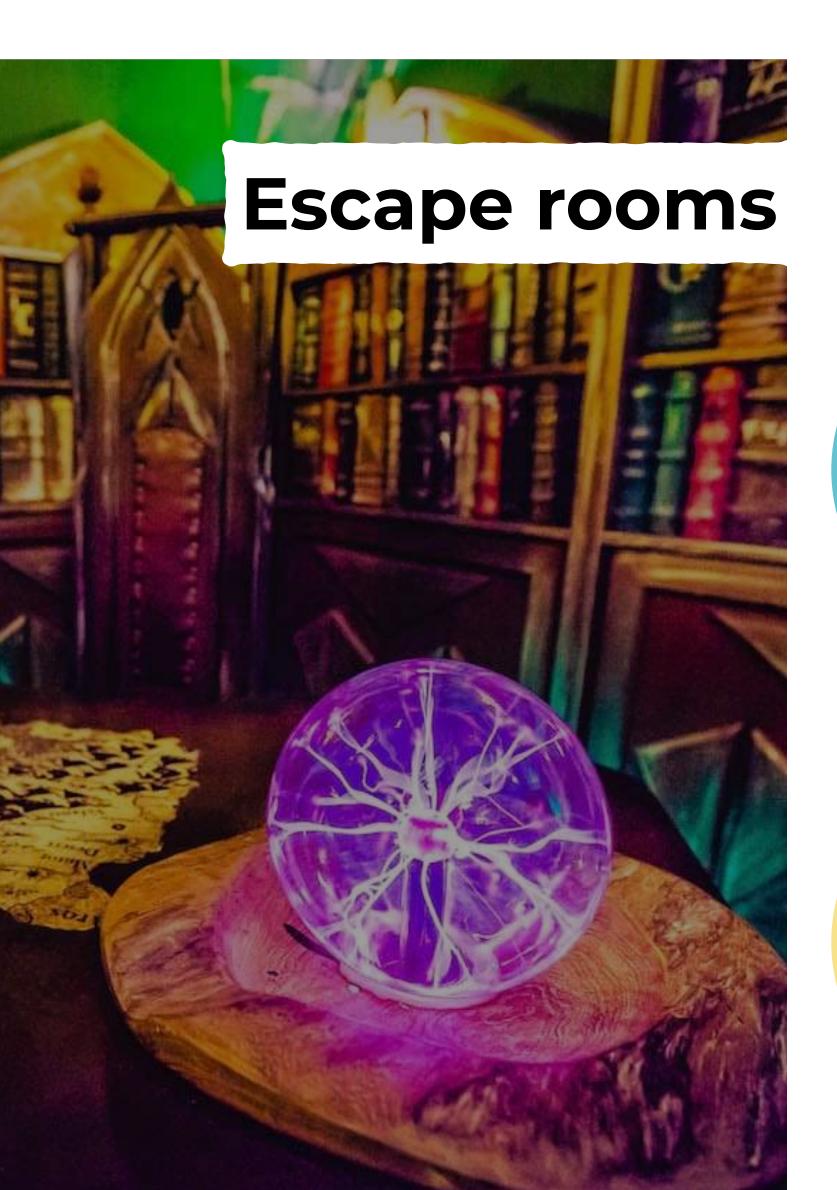
Solve puzzles, collect traces and explore the power of AI, social media and cognitive biases that shape our perceptions.

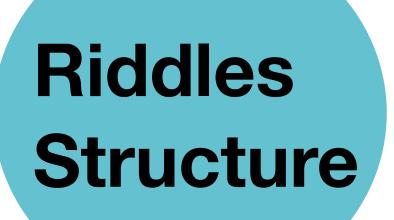




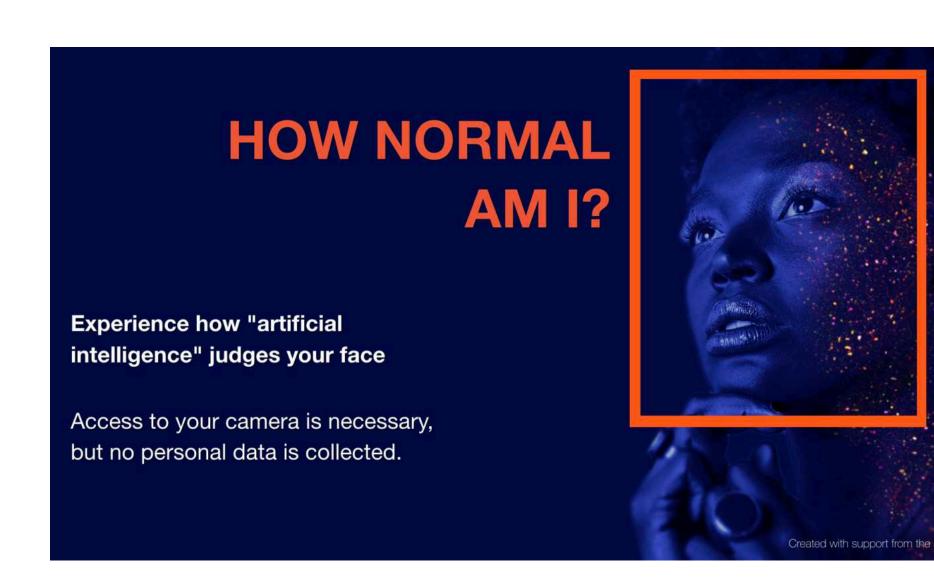
Riddles Structure

Story

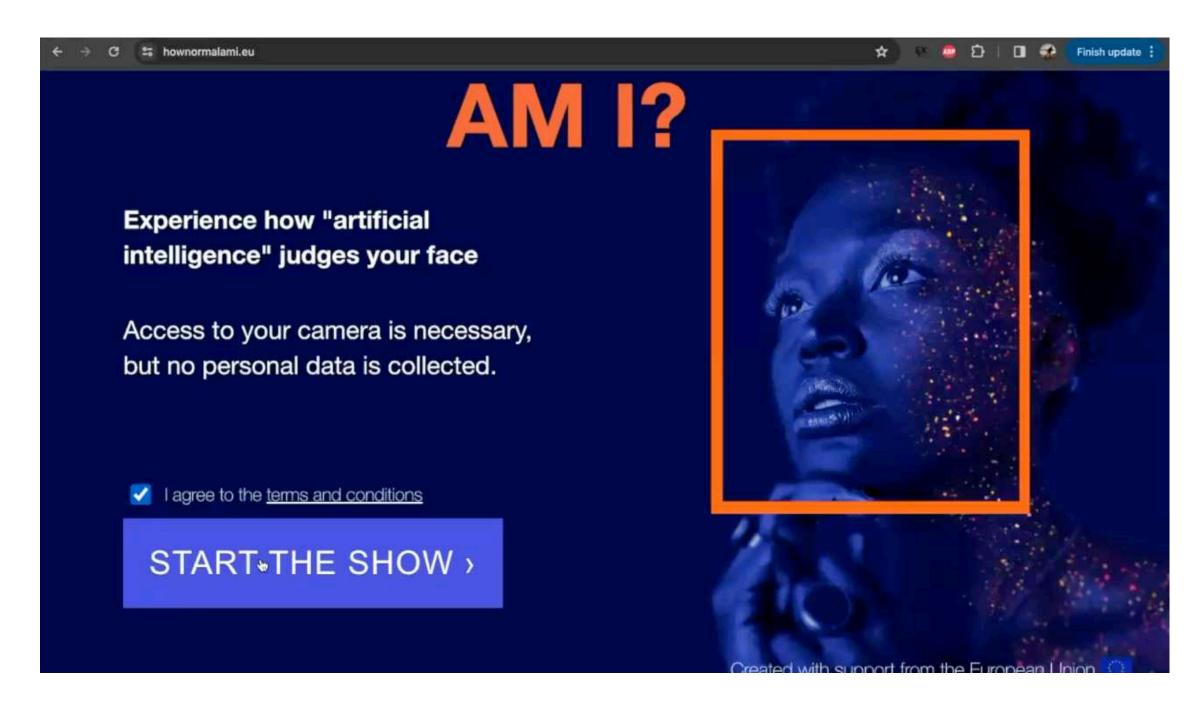












HOW NORMAL AM I?

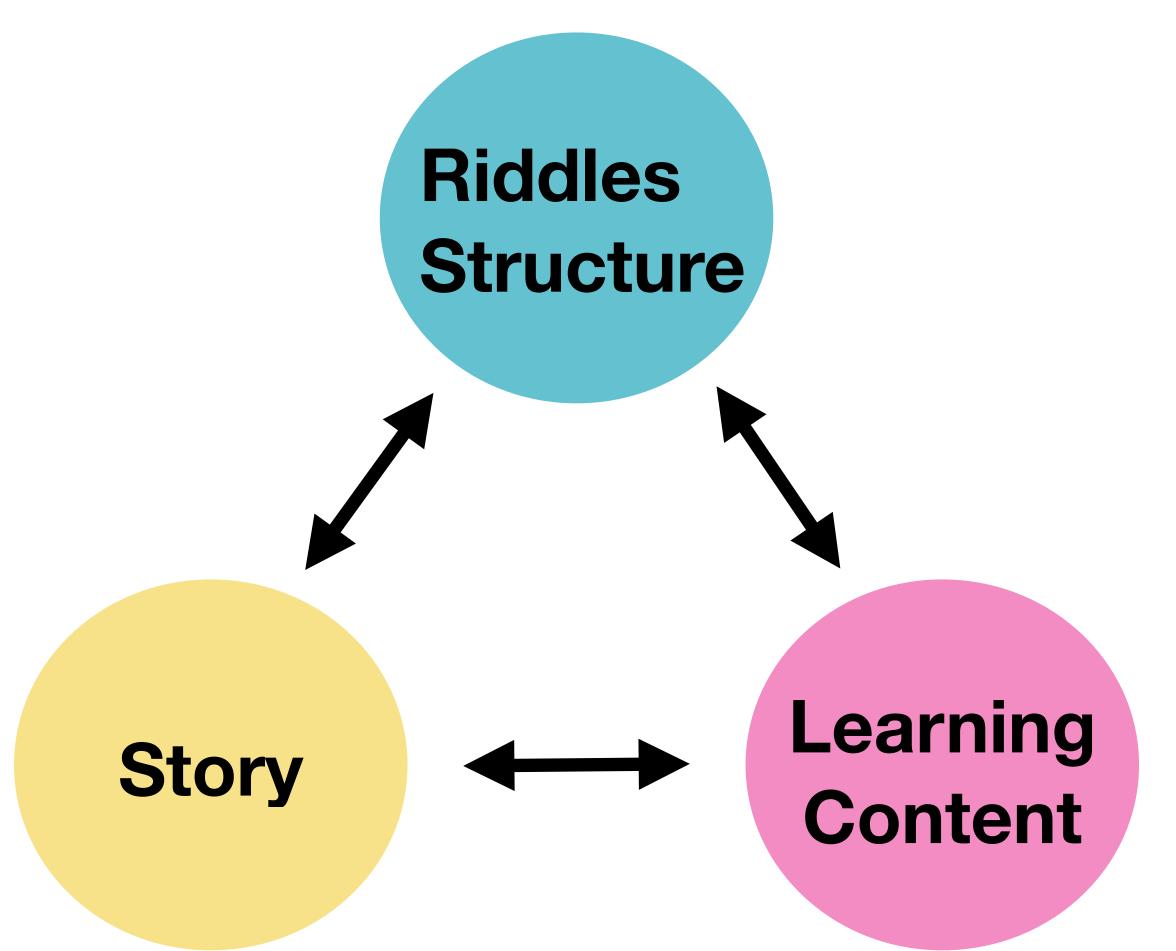
Experience how "artificial intelligence" judges your face

Access to your camera is necessary, but no personal data is collected.

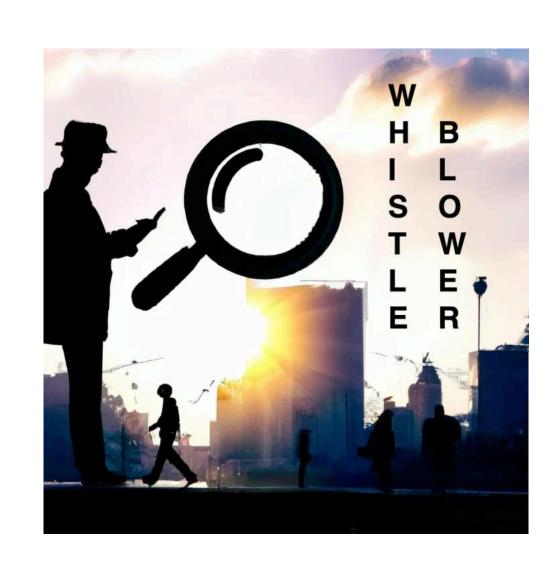
Click to see the video

Goal: let students try out what Al can predict about them from a simple recording of their face.

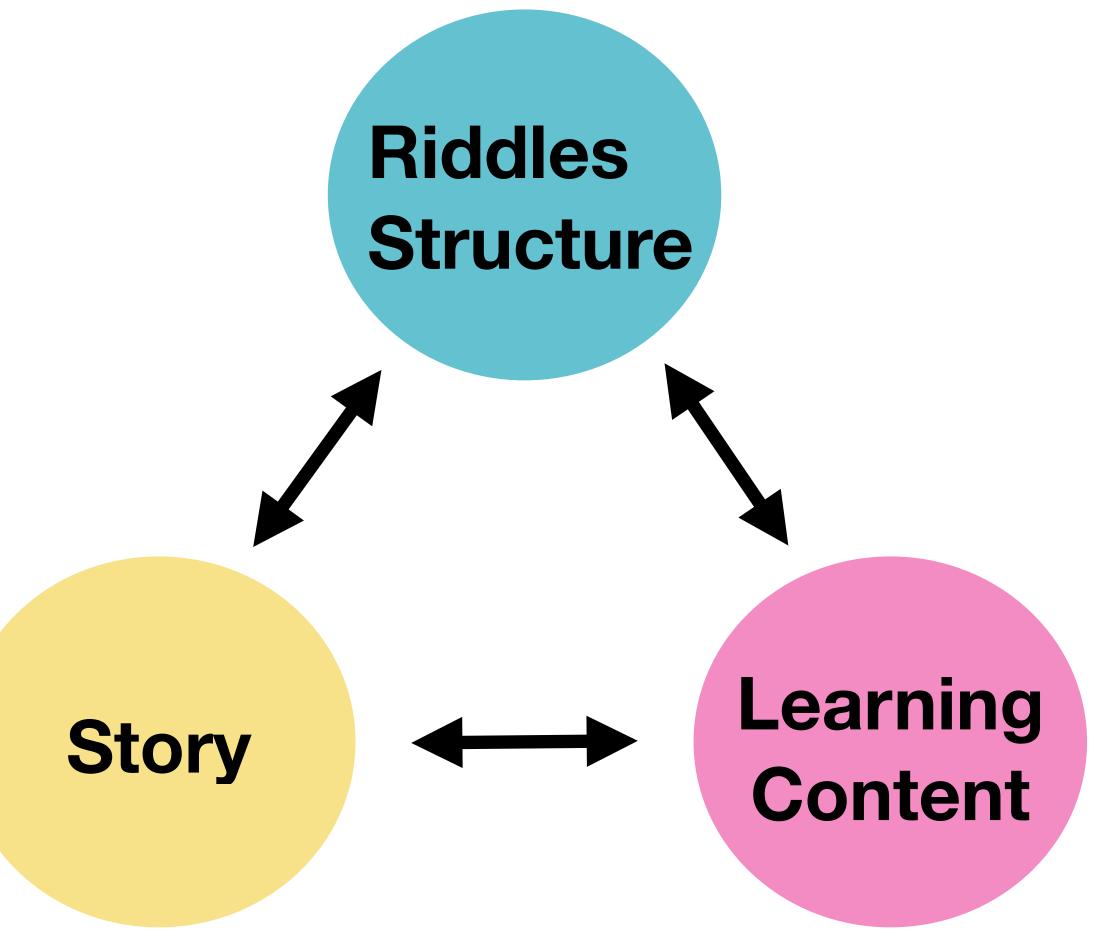
+ topics for workshop discussion



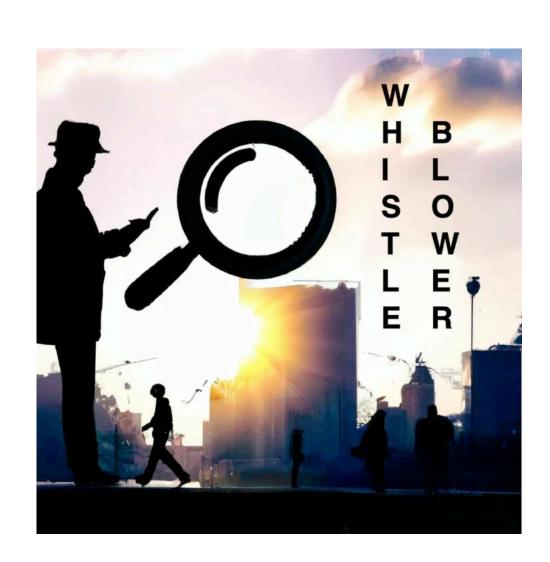




How can the learning task naturally fit into the unfolding story?

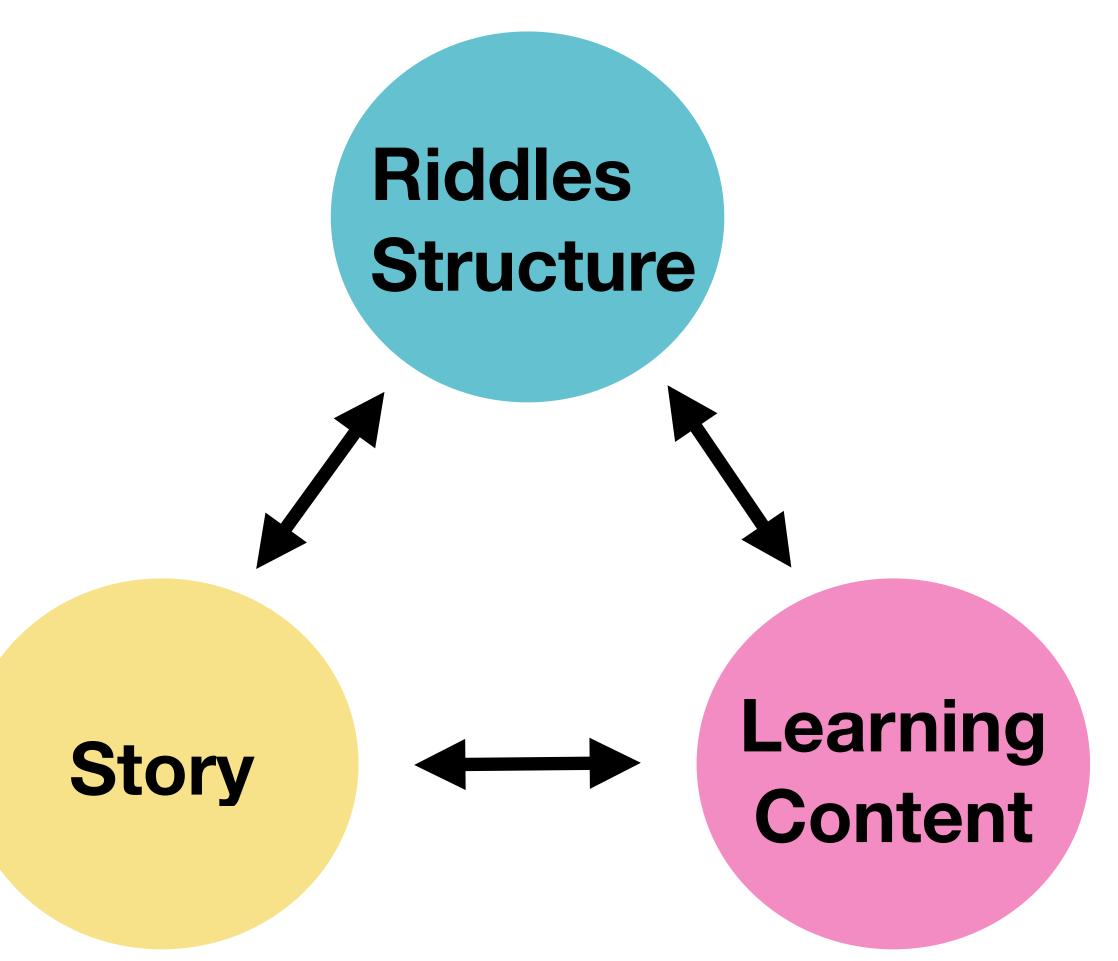






How can the learning task naturally fit into the unfolding story?

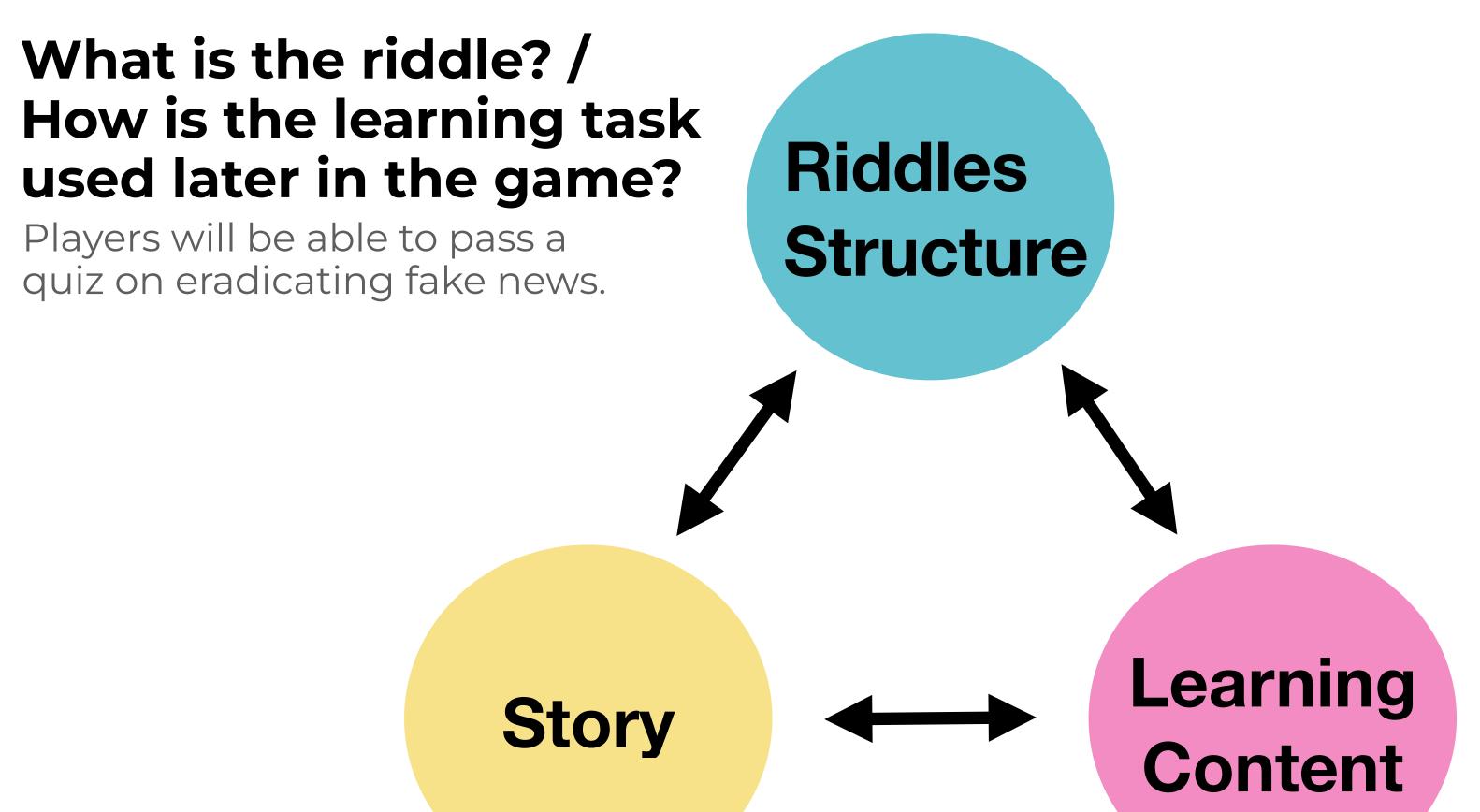
"Video demonstrates the evidence that Frances, the social media employee, gathered about the AI before she went missing..."





What is the riddle? / How is the learning task Riddles used later in the game? Structure Learning Story Content







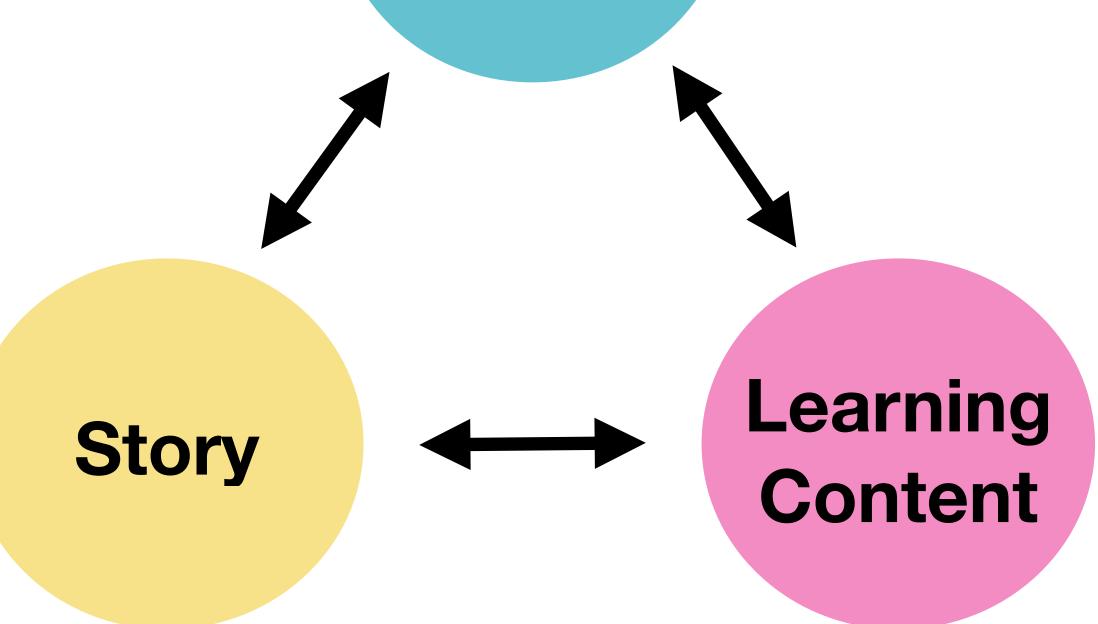
What is the riddle? / How is the learning task used later in the game?

Players will be able to pass a quiz on eradicating fake news.

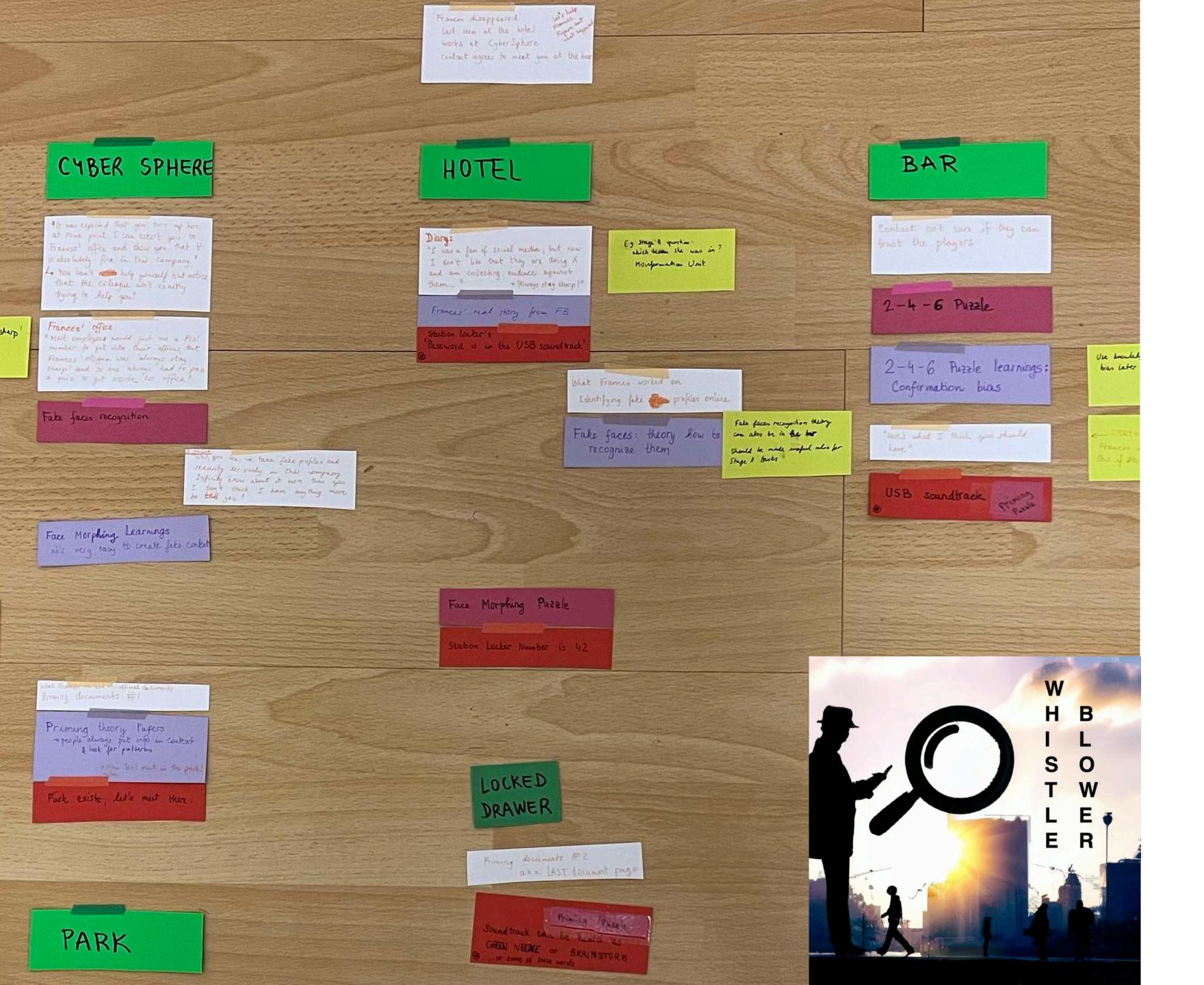
Riddles Structure

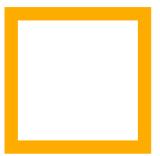
How can the learning task naturally fit into the unfolding story?

"Video demonstrates the evidence that Frances, the social media employee, gathered about the AI before she went missing..."









Story



Riddles /
Game structure



Learnings

5 learning topics

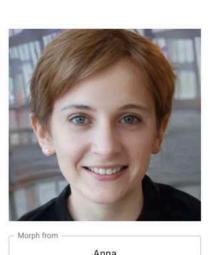
each developed into riddles & story

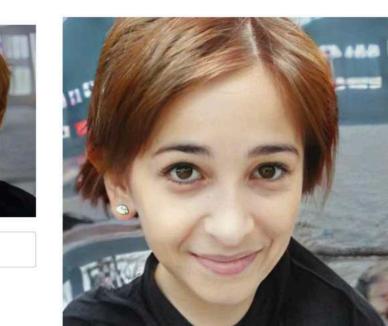
Now your turn!

Task: How can you

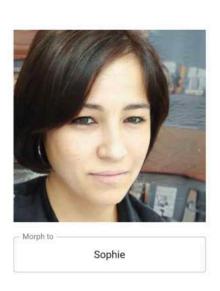
- fit the following learning resource into a story about a social media employee and
- design riddles that will convey your learning goals?







facemorph.me











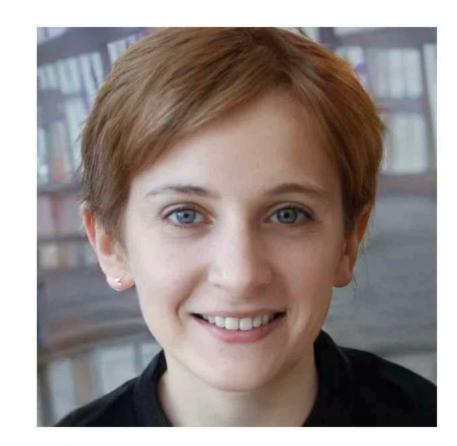




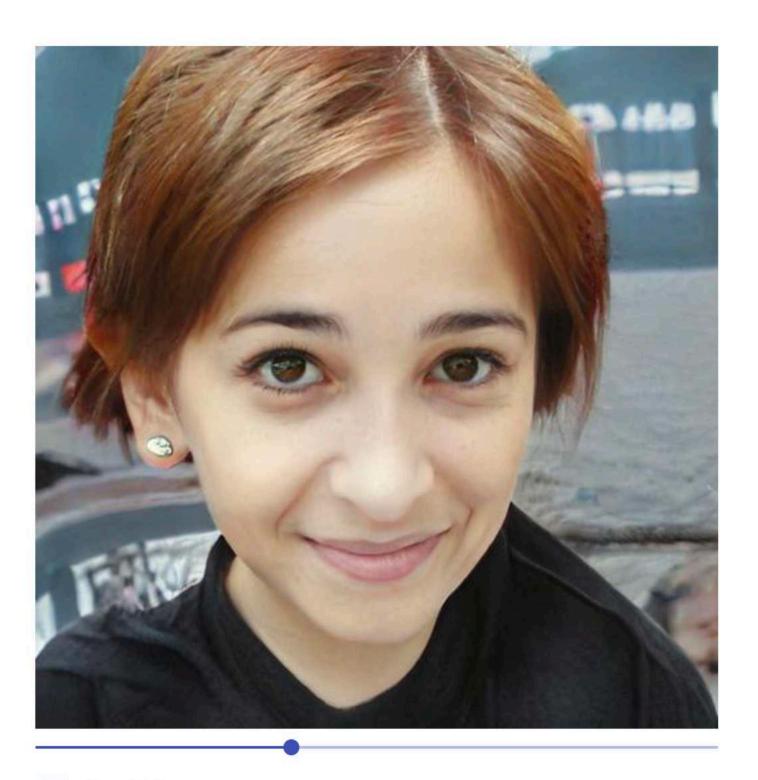




facemorph.me



- Morph from Anna





Sophie

Use Slider

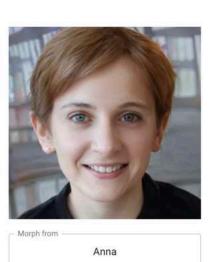
Continuously transforms the left face into the right face

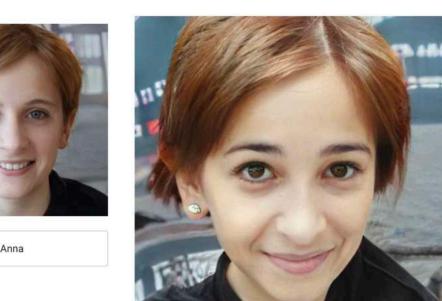
Now your turn!

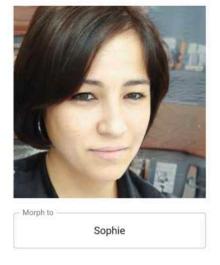
Task: How can you

- fit the following learning resource into a story about a social media employee and
- design riddles that will convey your learning goals?











- facemorph.me Can you form a specific
 - How do you make sure that players will not be tempted to skip your learning parts in the game?

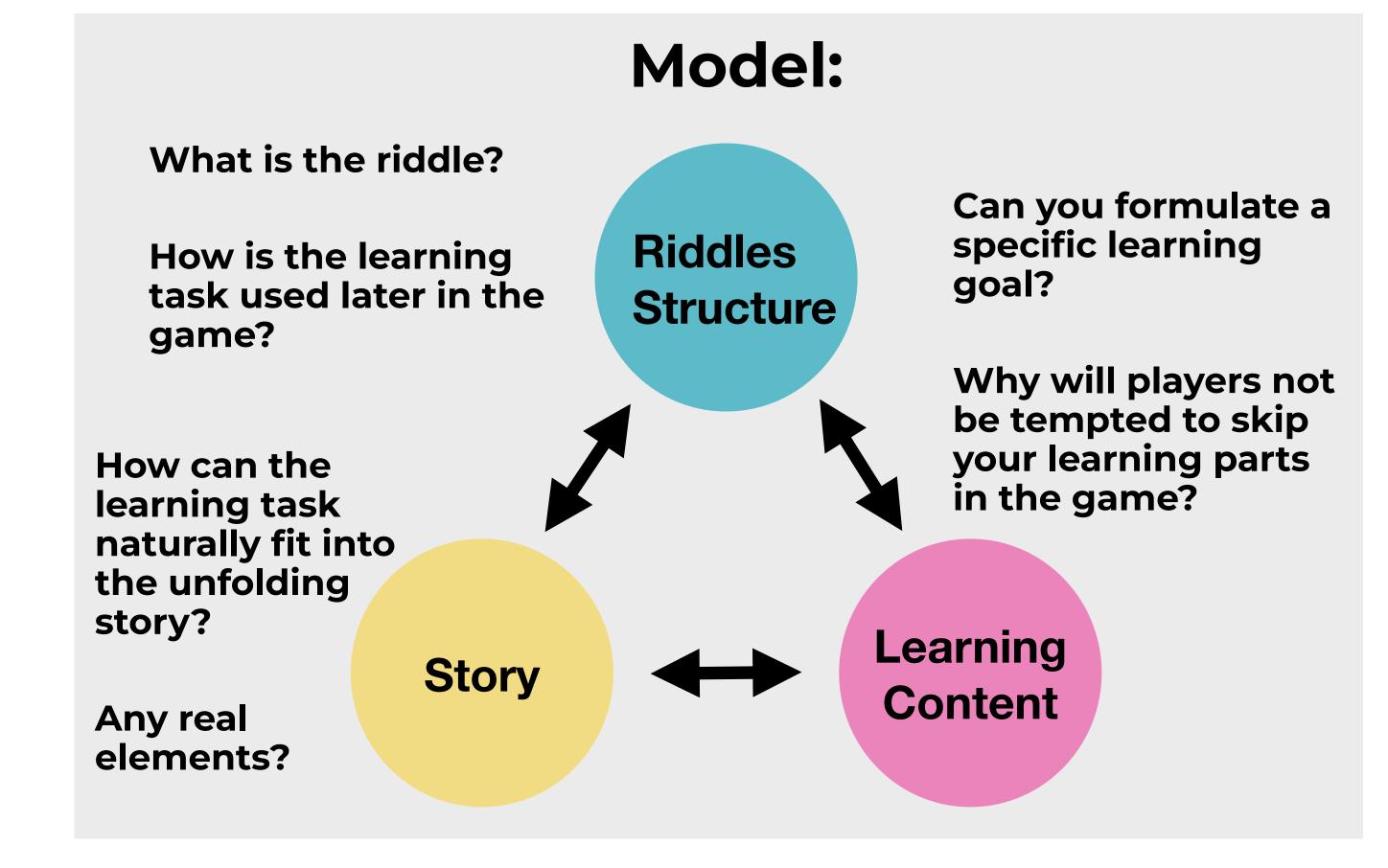
learning goal?

Now your turn!

Task: How can you

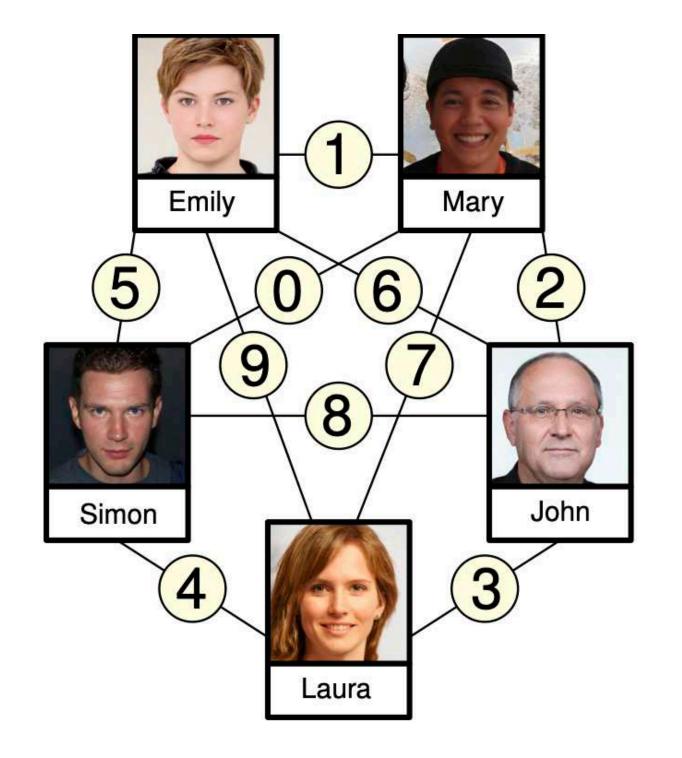
- fit the following learning resource into a story about a social media employee and
- design riddles that will convey your learning goals?





https://facemorph.me/?from_value=Anna&to_value=Sophie

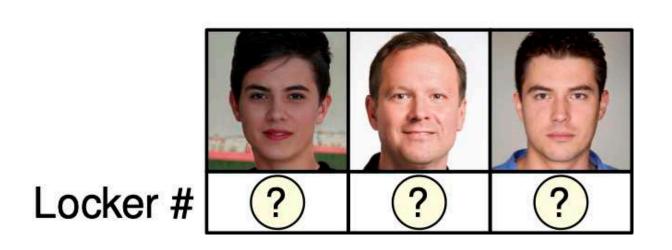
Our solution



Puzzle whose solution is a locker number

AND

Report on Face Morphing, a project that Frances worked on at the social media company



Title: Face-Morphing Project Person in charge: Frances Haugen Executive summary: Nowadays it is extremely easy to create fake online content that looks pretty real. One such tool is a website called facemorph.me There, you can generate a fake face from any name. Moreover, if you type in two names, you can continuously morph between the two faces and generate a merged (average) face. See Fig. 1 for a

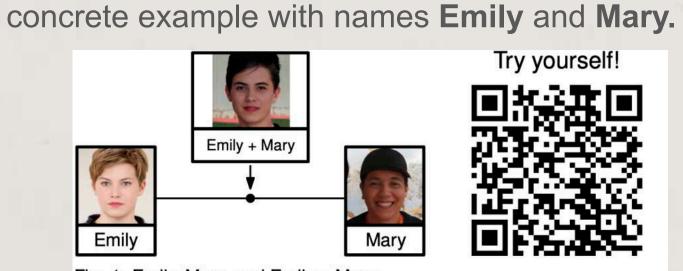
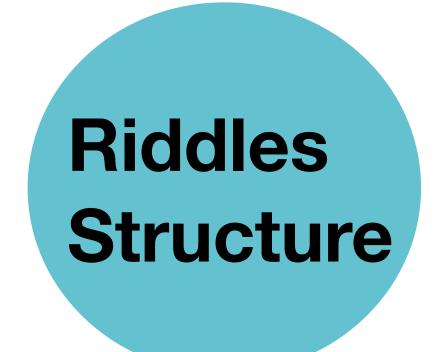


Fig. 1: Emily, Mary, and Emily + Mary.

This technology could potentially enable flooding online space with fake images and videos. Due to ethical considerations our team recommends to approach these technologies with utmost caution.

A few tips...



Information that players get should be useful to progress further in the game (e.g., no side-readings).

Make it feel less "like school" (e.g., formats like being quizzed on what one just learnt).

Give players chance to fail too, and a possibility to control their choices (e.g., not like a pre-written book that always ends up the same way, irrespective of what you do).

A few tips...



How can the learning task naturally fit into the unfolding story?

Made-up story or can you use real elements?

Story gives "purpose" and serves as a glue between riddles and learnings.

A few tips...



Based on a real story...



Frances Haugen

Data Analyst, Google & Faceboook employee, Whistleblower



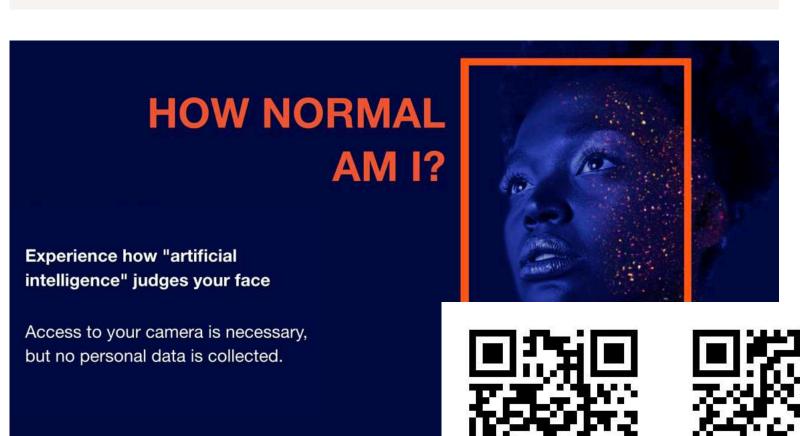
How can the learning task naturally fit into the unfolding story?

Made-up story or can you use real elements?

Story gives "purpose" and serves as a glue between riddles and learnings.

Resources on AI, fakes recognition, cognitive biases...

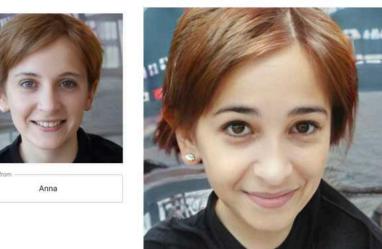


















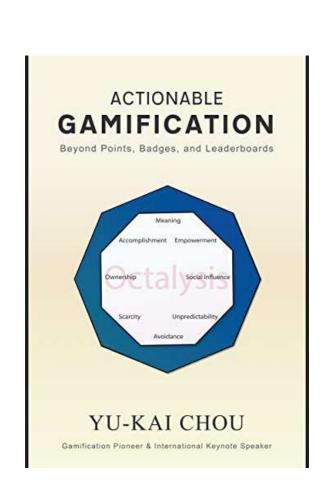
A place for **kids and teens** to learn about ads

Google doesn't show personalized ads to anyone under 18

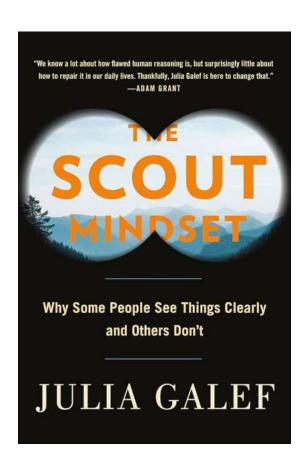


What are personalized ads?

Books







Actionable Gamification

Critical Thinking

Is creating an immersive Schnitzeljagd difficult?

...depends!







Some apps to consider

Play The Whistleblower:-)





Workshop

Soziale Medien, KI und digitale Täuschungen – Die ultimative Schnitzeljagd

13-19 Jährige • Jugendliche • familienfreundlich



Auf den Spuren von künstlicher Intelligenz

Hast du dich schon einmal gefragt, wie 'der Algorithmus' beeinflusst, was du online siehst, zum Beispiel auf TikTok oder in der Google-Suche? Und wie unsere Nachrichtenfeeds polarisiert werden? Begib dich auf eine epische Schnitzeljagd auf dem ISTA Campus.

Du wirst Rätsel lösen, um Beweise zu sammeln, dich mit der Gesichtserkennungskraft von KI auseinandersetzen, Fälschungen erkennen und die Tricks erkunden, die 'der Algorithmus' im menschlichen Geist spielt.
Folge den Spuren, löse das Rätsel und rette die Menschheit!

Dem Abenteuer der Schnitzeljagd im Freien folgt ein Workshop zu KI und Aspekten sozialer Medien. Lass uns diesen Code knacken und uns durch den digitalen Dschungel navigieren!







PLAY, EXPLORE AND GROW: TREASURE HUNTS FOR CURIOUS MINDS Test your reasoning, trick your mind, experience adventure and discover more about yourself in the era of information overload. LEARN MORE





Have a go and experiment, just like a kid, without a fear of being judged.



Become the one who always pulls out

fascinating mind facts and hacks.



Social

Spend quality time with friends or fellow students while playing a game.

Book a Schnitzeljagd workshop for your school class or family

For a game outside Vienna: <u>hello@growtrails.com</u>

Thank you!:-)



Zuzka Masárová

Education sciences (Cambridge)
Math & CS (UWaterloo, IST Austria)
Organizing math camps, creating
teaching materials: 10+ years





Josef Tkadlec

Math & CS (IST Austria, Harvard, Charles University) Czech Math Olympiad committee member Organizing & teaching at math camps: 15+ years



Yunzhe Li

PhD student @ IST Austria Main story designer

The three ingredients to create an immersive educational Schnitzeljagd: story, riddles and learning content







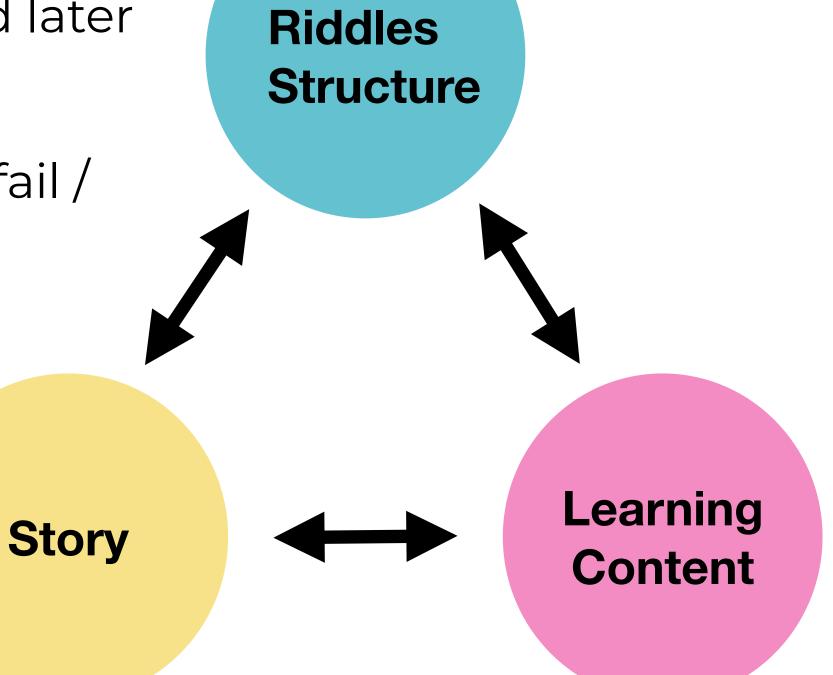
What is the riddle?

How is the learning task used later in the game?

Possibility to make choices / fail / different from "school"?

How can the learning task naturally fit into the unfolding story?

Any real elements?



Can you formulate a specific learning goal?

How do you make sure that players will not be tempted to skip your learning parts in the game?