

Becoming an Inventor

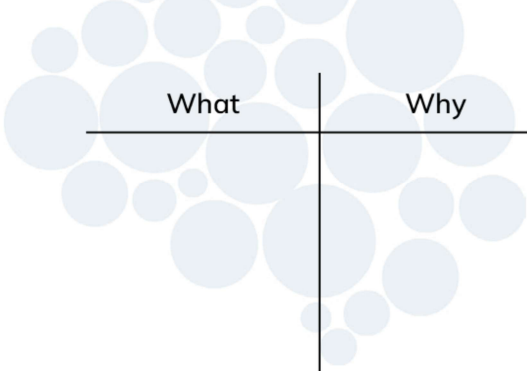


Can anyone share something they know about Innovation or Invention?



Ask the group if there is something they know about innovation.

Can anyone share something they know about Innovation or Invention?



What	Why	When	How	Who



To help organize the discussion and encourage the group to see themselves as inventors/innovators, direct the group discussion to fill out the table on slide 4. Some general/possible entries for the five categories are below.

Can you think of some ways to make this slide better?

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Use this slide to collect ideas from the group. The ideas can come around fun or safety

Describe the slides you see in this picture



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Describe the slides you see in this picture



Innovator Profile – Chris Haas



CHRIS HAAS

Age at time of invention: 9 years old

Invention: Hands On basketball is a basketball that shows kids where to put their hands to make a given shot.



Click on the picture to load the YouTube video -
<https://www.youtube.com/watch?v=Px1v20R7Dgo>

After the video reflect with the group by having them answer the following things:

- What object was being improved?
- What was the improvement?
- What help and tools did they use to come up with their solution?

Innovator Profile - Andrea Sreshta & Anna Stork



ANDREA SRESHTA AND ANNA STORK

From: New York City

Age at time of invention: Early 20's

Invention: An inflatable solar powered lantern that can be used in emergencies or in areas without reliable electricity.



Photo courtesy of luminAID

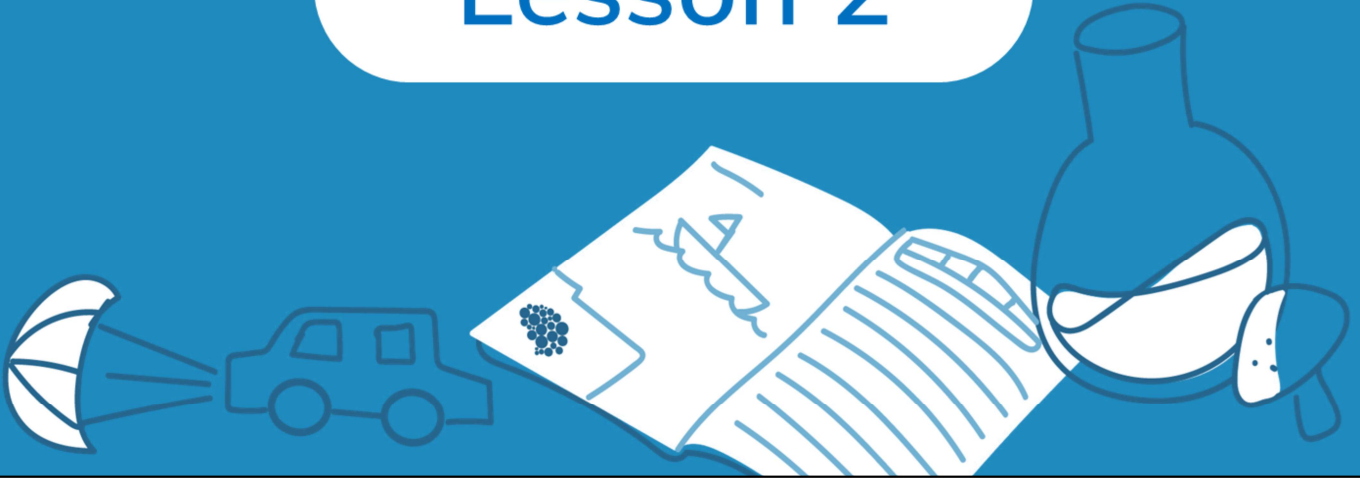


Click on the picture to load the YouTube video
<https://www.youtube.com/watch?v=8RR6shO-FHg>

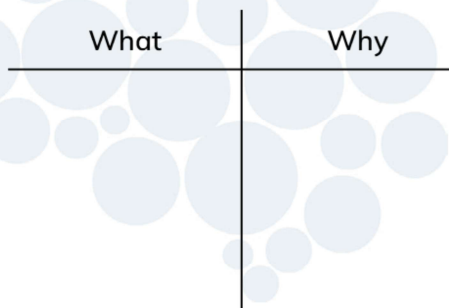
After the video reflect with the group by having them answer the following things:

- What object was being improved?
- What was the improvement?
- What help and tools did they use to come up with their solution?

Lesson 2



Can anyone share something they know about Innovation?



What	Why	When	How	Who



Have a quick (2 – 3 minute) recap discussion about what innovation is.

What might be a part of a better piece of playground equipment?

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Use this slide to collect ideas from the group. The ideas can come around fun or safety

Describe the equipment you see in this picture



Describe the equipment you see in this picture



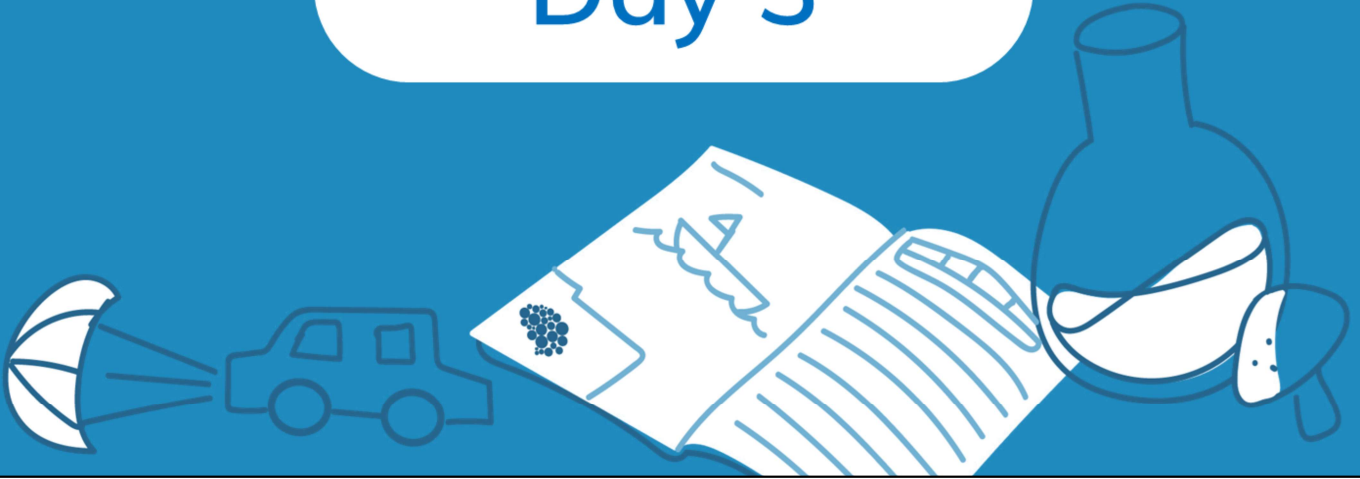
Describe the equipment you see in this picture



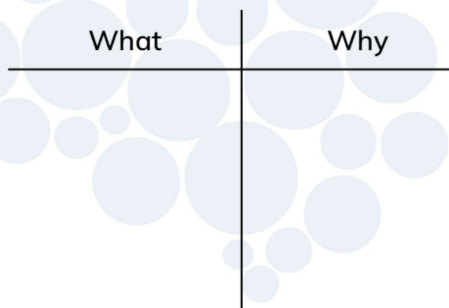
Describe the equipment you see in this picture



Day 3



Can anyone share something they know about Innovation?



What	Why	When	How	Who



Have a quick (2 – 3 minute) recap discussion about what innovation is.

Giving and receiving feedback

What is feedback?



To begin with, make sure students know what the word feedback means and when you might get or give it?

Giving and receiving feedback

Feedback is **the HELPFUL information** on things you like or things you think should be changed or modified that you give to someone so they can **improve a performance, product, etc.**



To begin with, make sure students know what the word feedback means and when you might get or give it?

Giving and receiving feedback

What are some things to think about when giving and receiving feedback?



To begin with, make sure students know what the word feedback means and when you might get or give it?

Giving and receiving feedback

Useful Phrases for Having Constructive Discussions

Asking Clarifying Questions

Can you give an example?

Can you please explain your thinking?

Could you say that one more time?

Adding to an Idea

I agree, and I have an addition: _____.

I believe this is true because _____.

Yes, that makes sense, and I would also like to add _____.

Respectfully Disagreeing with an Idea

Could you explain, because I have a different idea?

I disagree with that idea because _____.



Go over the useful phrases with the group.
If possible, hand out a printed list of useful phrases.

Feedback Round 1

Put a picture of your invention here



Have the students each find someone with a different innovation prompt.

Have them take turns explaining their innovation and then have the other person give feedback. Encourage everyone to say something nice then also say something constructive using one of the phrases. This should take about 2 – 4 min each person.

After 1 round of feedback, let the students work on their inventions for the rest of the session.

Feedback Round 2



Have them take turns explaining their design and then have the other person give feedback. Encourage everyone to say something nice then also say something constructive using one of the phrases.

