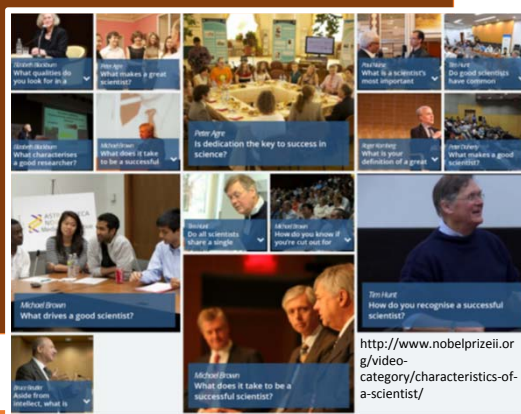


Characteristics of Scientists/ Researchers

Purwiyatno Hariyadi
phariyadi.staff.ipb.ac.id

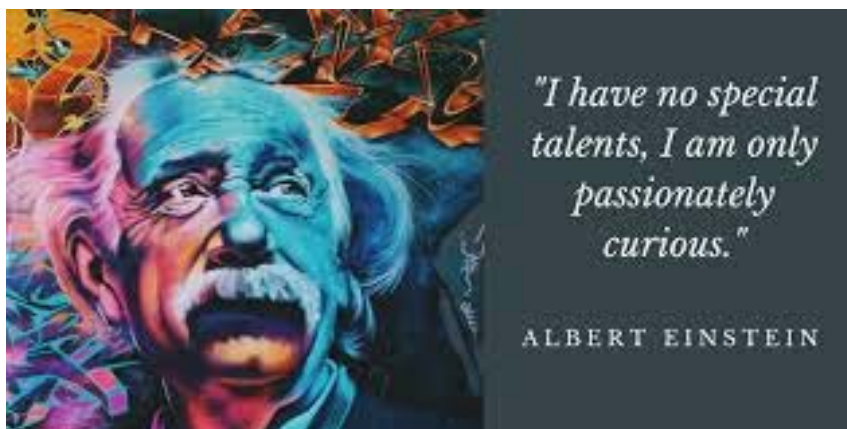


<http://www.nobelprizeii.org/video-category/characteristics-of-a-scientist/>

ITP500 – Characteristics of Scientist

Characteristics of Reseachers/Scientists

1. **Curiosity.** Curiosity can turn any experience into an adventure: it prompts us to act, to take risks.



ITP500 – Characteristics of Scientist

ITP500 _____
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Characteristics of Researchers/Scientists

1. **Curiosity.**
2. **Open-minded and free of bias.** Great scientists are objective. Open-minded scientists suspend judgement about findings until they are sure (and scientists really never are). Suspending judgement, like oil in water, allows scientists to continue observing and gathering data, while continuing their search for the best solution and opportunity.

ITP500 – Characteristics of Scientist

Characteristics of Researchers/Scientists

1. **Curiosity.**
2. **Open-minded and free of bias.**



ITP500 – Characteristics of Scientist

Characteristics of Reseachers/Scientists

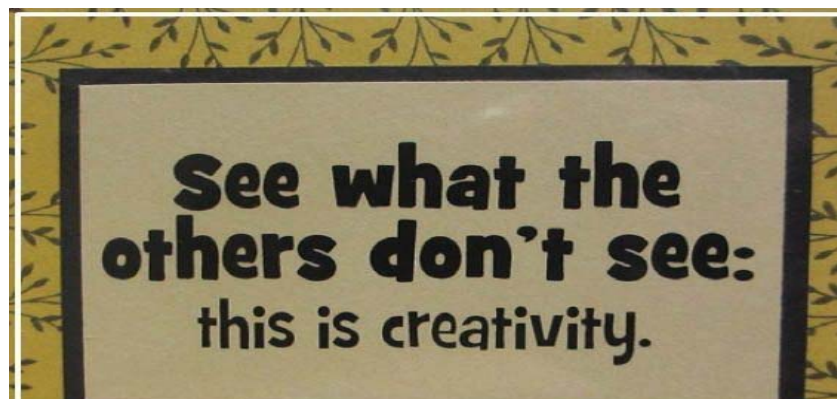
1. Curiosity.
2. Open-minded and free of bias.
3. Keen observer. Scientists look and listen at information/ data. Never knowing what is most important, *everything* is considered and noted.



ITP500 – Characteristics of Scientist

Characteristics of Reseachers/Scientists

1. Curiosity.
2. Open-minded and free of bias.
3. Keen observer.



GeniusQuotes.net

ITP500 – Characteristics of Scientist

Characteristics of Reseachers/Scientists

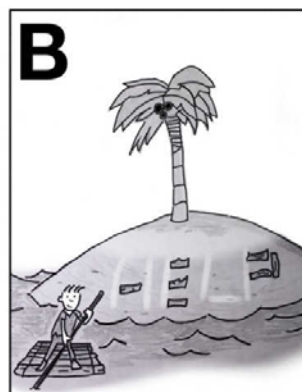
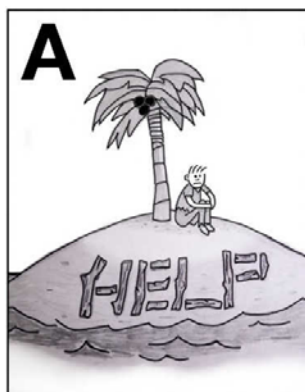
1. Curiosity.
2. Open-minded and free of bias.
3. Keen observer.
4. Resourceful. Scientists look for avenues to explore in unexpected ways.



ITP500 – Characteristics of Scientist

Characteristics of Reseachers/Scientists

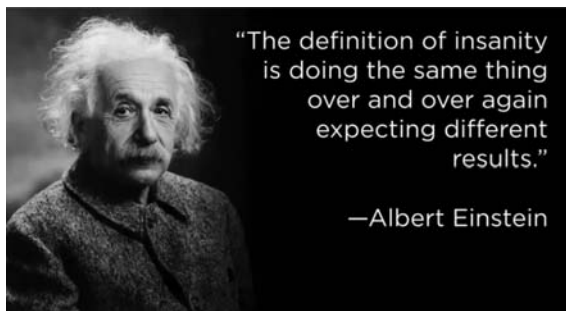
1. Curiosity.
2. Open-minded and free of bias.
3. Keen observer.
4. Resourceful.



ITP500 – Characteristics of Scientist

Characteristics of Reseachers/Scientists

1. Curiosity.
2. Open-minded and free of bias.
3. Keen observer.
4. Resourceful.
5. Creative. Scientists, through observation and open-mindedness come up with new problems and new ways to problem-solve.



ITP500 – Characteristics of Scientist

Characteristics of Reseachers/Scientists

1. Curiosity.
2. Open-minded and free of bias.
3. Keen observer.
4. Resourceful.
5. Creative.



ITP500 – Characteristics of Scientist

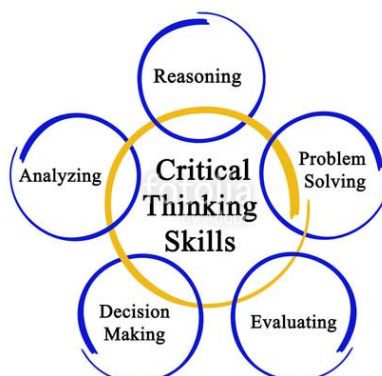
Characteristics of Reseachers/Scientists

1. Curiosity.
2. Open-minded and free of bias.
3. Keen observer.
4. Resourceful.
5. Creative.
6. Critical Thinker. Critical? Scientists know all about logical analysis. Remaining emotion-free. This is problem solving blended with creativity and an exacting methodology, while examining the observed.

ITP500 – Characteristics of Scientist

Characteristics of Reseachers/Scientists

1. Curiosity.
2. Open-minded and free of bias.
3. Keen observer.
4. Resourceful.
5. Creative.
6. Critical Thinker.



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ITP500 – Characteristics of Scientist

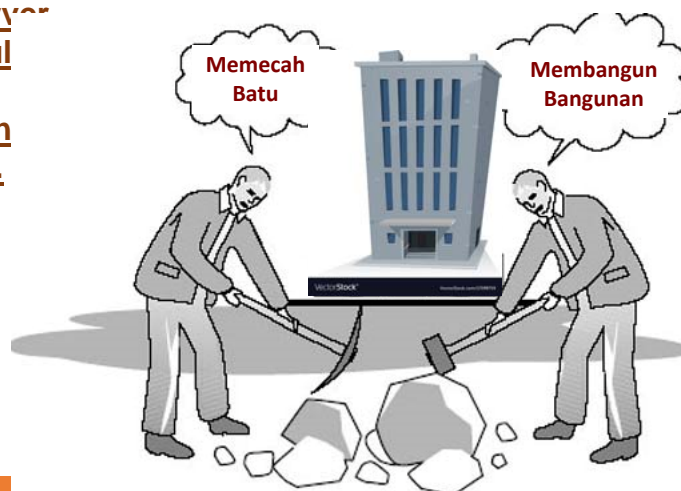
Characteristics of Reseachers/Scientists

1. Curiosity.
2. Open-minded and free of bias.
3. Keen observer.
4. Resourceful.
5. Creative.
6. Critical Thinker.
7. Purposeful. Scientists seek solutions. (Often) they believe that they can change and improve the world through their research.

ITP500 – Characteristics of Scientist

Characteristics of Reseachers/Scientists

1. Curiosity.
2. Open-minded and free of bias.
3. Keen observer.
4. Resourceful
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6. Critical Thin
7. Purposeful.



ITP500 – Characteristics of Scientist

Characteristics of Reseachers/Scientists

1. Curiosity.
2. Open-minded and free of bias.
3. Keen observer.
4. Resourceful.
5. Creative.
6. Critical Thinker.
7. Purposeful.
8. Persistent. Scientists don't give up easily. It's about following dreams – logically. They are resilient. Pick themselves up and keep on going when they fall.
Remember : Research = Re + Search

ITP500 – Characteristics of Scientist

Characteristics of Reseachers/Scientists

1. Curiosity.
2. Open-minded and free of bias.
3. Keen observer.
4. Resourceful.
5. Creative.
6. Critical Thinker.
7. Purposeful.
8. Persistent.

“ FALL DOWN
SEVEN TIMES,
STAND UP
EIGHT”

Japanese Proverb

ITP500 – Characteristics of Scientist

Characteristics of Reseachers/Scientists

1. Curiosity.
2. Open-minded and free of bias.
3. Keen observer.
4. Resourceful.
5. Creative.
6. Critical Thinker.
7. Purposeful.
8. Persistent.
9. Courage. REAL courage is all about staying open-minded and living without judgement. → They are passionate.

ITP500 – Characteristics of Scientist

Characteristics of Reseachers/Scientists

1. Curiosity.
2. Open-minded and free of bias.
3. Keen observer.
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5. Creative.
6. Critical Thinker.
7. Purposeful.
8. Persistent.
9. Courage.



"Working hard for something we don't care about is called stress: Working hard for something we love is called passion."

- Simon Sinek

Characteristics of Reseachers/Scientists

1. Curiosity.
2. Open-minded and free of bias.
3. Keen observer.
4. Resourceful.
5. Creative.
6. Critical Thinker.
7. Purposeful.
8. Persistent.
9. Courage.
10. Good communicator. They also need to communicate and share information. They work hard at communication (... even if they make it look deceptively easy). **They have a vision – and can articulate it.**

ITP500 – Characteristics of Scientist

Characteristics of Reseachers/Scientists

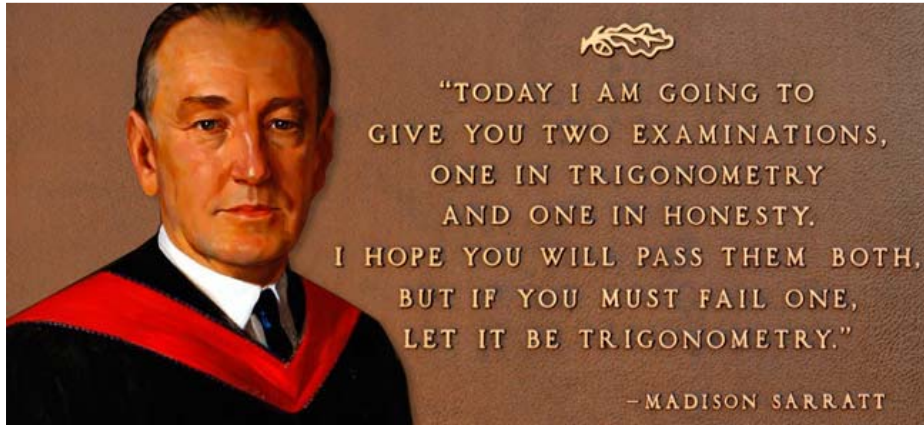
1. Curiosity.
2. Open-minded and free of bias.
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4. Resourceful.
5. Creative.
6. Critical Thinker.
7. Purposeful.
8. Persistent.
9. Courage.
10. Good communicator.

Two of the most
common characteristics:
Curiosity + Persistent.

Fundamental :
HONESTY

ITP500 – Characteristics of Scientist

Characteristics of Reseachers/Scientists



Fundamental :
HONESTY

ITP500 – Characteristics of Scientist

References

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- **Cek Video:** <http://www.nobelprizeii.org/video-category/characteristics-of-a-scientist/>

ITP500 – Characteristics of Scientist