

Class 6 Science / Chapter 1: The Wonderful World of Science

Curiosity Grade 6 / Notes + Activities ke Jawab / Notes by Abhishek Sir

1. Science kya hai?

Science ek tareeka hai sochne, dekhne (observe karne) aur kaam karne ka, jisse hum apni duniya ko samajhte hain. Science ek badi adventure jaisi hai - hum sawaal poochte hain, duniya ko explore karte hain aur samajhte hain ki cheezein kaise kaam karti hain. Iske liye sabse zaroori hai Curiosity (jigyasa) - isi se is book ka naam "Curiosity" pada.

Science har jagah hai

- Chhote ret ke kan se lekar bade pahad tak.
- Ghaas ki patti se lekar vishal jungle tak.
- Samundar ki gehrai se lekar outer space tak.
- Rasoi (kitchen) me kya pak raha hai, ya maidan (playground) me kya ho raha hai - sab me science hai.

Science ko ek badi, kabhi khatam na hone wali jigsaw puzzle ki tarah samjho. Har nayi khoj us puzzle me ek aur tukda jodti hai. Aur har nayi cheez naye sawaal paida karti hai, isliye khojne ki koi seema nahi. Kabhi-kabhi koi tukda galat jagah laga hota hai - tab nayi khoj se use sahi karna padta hai.

2. Is book me hum kya-kya seekhenge?

Topic	Hum kya jaanenge
Prithvi (Earth)	Ye ek hi graha hai jahan jeevan hai; iska paryavaran bachana zaroori hai
Jeevit praani aur paudhe	Beej se paudha, illi se titli kaise banti hai; sab kaise badhte hain
Khana (Food)	Alag-alag dishes kin cheezon se bani hain
Paani (Water)	Baarish kyon hoti hai; paani ice aur bhaap kyon banta hai
Garam-thanda (Temperature)	Garmi/sardi kaise napte hain, bukhari me tapman kyon zaroori
Padarth (Materials)	Kaagaz, dhatu, plastic, rubber kis se bane; unhe alag kaise karein

Topic	Hum kya jaanenge
Magnet, Motion	Cheezein kaise chalti hain
Surya, Chand, Taare	Prithvi ke bahar ki duniya

3. Scientific Method (Vaigyanik Vidhi)

Jab aapka pen likhna band kar de, to aap socha karte ho: "Pen kyon nahi chal raha?" Aap guess karte ho: shayad ink khatam ho gayi. Phir pen kholkar refill jaanchte ho. Agar ink hai to naya guess: shayad ink sookh gayi. Phir use bhi test karte ho. Yahi hai Scientific Method!

Scientific Method ke steps (Yaad rakho)

- 1. **Observe** - kuch dilchasp ya na samajh aane wali cheez dekhna.
- 2. **Question** - uske baare me sawaal sochna.
- 3. **Guess (Hypothesis)** - sawaal ka sambhavit jawab sochna.
- 4. **Test** - experiment ya aur observation se guess jaanchna.
- 5. **Analyse** - nateeje dekhna ki sawaal ka jawab mila ya nahi.

Trick / Yaad rakhne ka tareeka

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Scientist wo log hain jo scientific method se samasya hal karte ya nayi cheezein khojte hain. Par jo bhi sawaal poochkar jawab dhoondhe, wo scientist jaisa hi kaam kar raha hai. Jaise: khana banane wali dal cooker se bahar kyon aayi (paani zyada tha?); cycle repair karne wala tyre kyon flat hai (hawa kahan se nikli?); electrician bulb kyon nahi jal raha (bulb kharab ya switch?).

Zaroori baatein

- Science sirf ratna (memorise) ya experiments karna nahi hai; ye step-by-step process hai jisse hum jawab dhoondhte hain.
- Seekhne ke liye curious bano aur dhyan se observe karo; "kyon?" aur "kaise?" poochho.
- Science akele nahi, aksar teams me ki jaati hai. Jawab na mile to dost se madad lo.
- Class 6 me hi sab jawab nahi milenge; ye aage 5 saal ya usse zyada ki yatra hai.
- Dhyan rahe: "Wise" banne ke liye "Whys" person bano!

Word	Meaning
curiosity	jigyasa, jaanne ki ichha
observe	dhyan se dekhna
experiment	prayog
scientific method	vaigyanik vidhi
hypothesis / guess	anuman
analyse	nateeje ka vishleshan karna
mystery	rahasya

4. Activities ke Jawab (Let us think and write)

Q. Activity 1.1: Aisi samasya jo aapne hal ki, kya steps liye?

Ans. Udaharan: Meri torch nahi jal rahi thi. 1. Observe: torch ka bulb nahi jal raha. 2. Question: torch kyon nahi jal rahi? 3. Guess: shayad cell (battery) khatam ho gayi. 4. Test: nayi cell lagayi - phir bhi nahi jali. 5. Naya guess: shayad bulb fuse. Naya bulb lagaya - torch jal gayi! Nateeja: bulb kharab tha. (Aap apni khud ki samasya likho - jaise pen, bicycle, mobile charger.)

Q. Activity 1.2: Roz ki zindagi me kisi ko scientific method follow karte hua describe karo

Ans. Udaharan: Meri mummy ne dekha ki dal cooker se bahar aa gayi. Unhone socha: shayad paani zyada tha. Agli baar kam paani dala aur dal bahar nahi aayi. Matlab guess sahi tha. Yahan mummy ne observe, guess, test aur nateeja sab kiya. (Ya: cycle wale ka tyre me hawa ka leak dhoondhna.)

Q. Activity 1.3: Agar "Why?" poochna ho to kya poochoge, aur jawab kaise dhoondhoge?

Ans. Udaharan: "Aasman neela kyon hota hai?" Main pehle apne bado se poochunga, phir book/library/internet me padhunga, aur teacher se baat karunga. Dost ke saath milkar observe aur experiment bhi karunga (jaise prism se roshni). Agar jawab na mile to dost ya teacher ki madad lunga, kyunki science teamwork hai.

5. Chapter ke Important Sawaal (Exam ke liye)

Q. Science kya hai?

Ans. Science sochne, dekhne aur kaam karne ka ek tareeka hai jisse hum apne aas-paas ki duniya ko samajhte hain aur rahasyon ko khojte hain.

Q. Scientific method ke steps likho.

Ans. Observe -> Question -> Guess (hypothesis) -> Test (experiment) -> Analyse (nateeja dekhna).

Q. "Science ek jigsaw puzzle jaisi hai" - kaise?

Ans. Jaise puzzle me har tukda jodne se tasveer badi hoti hai, waise hi har nayi khoj se hamara gyan badhta hai, aur koi galat tukda ho to nayi khoj use sahi karti hai. Iski koi seema nahi.

Q. Kya sirf scientist hi scientific method use karte hain?

Ans. Nahi. Jo bhi sawaal poochkar jawab dhoondhta hai (jaise cycle repair wala, electrician, khana banane wale) wo scientific method use karta hai.

Q. Curiosity kyon zaroori hai?

Ans. Kyunki curiosity se hum sawaal poochte hain, aur sawaalon se nayi khoj hoti hai. Isi se science seekhi jaati hai.

Chapter ka Naam (copy-paste)

The Wonderful World of Science

– Teacher: Abhishek Sir / MERIT SPRING

