

## Ni iki kiri muri iyi ndangamanota?

Iyi ndangamanota itanga inshamake y'ibyavuye mu mikorere y'abanyeshuri bawe kuri isuzumabumenyi rya leta, Isuzuma ry'Ubumenyi rya Maine. Ubumenyi bwa Maine Isuzuma rishingiye ku bumenyi bwa Maine na Engineering Standards, ni ukuvuga Next Generation Science Standards (NGSS). Isuzuma ry'ubumenyi bwa Maine rirakenewe ku Abanyeshuri bo mu mashuri ya leta ya Maine mu cyiciro cya 5, 8, n'umwaka wa 3 w'amashuri yisumbuye.

## Isuzuma ry'Ubumenyi rya Maine ni iki?

Isuzuma ry'Ubumenyi rya Maine ryibanda ku myigishirize myinshi hakubiyemo ubumenyi n'ubuhanga bushyizwe mu bikorwa ndetse n'ibitekerezo byimbitse by'ikinyabupfura. NGSS isobanura ubumenyi n'ubuhanga nk'ibikorwa abahanga bakora kugira ngo bakore iperereza ku isi. Ibitekerezo byimbitse by'ikinyabupfura n'ibitekerezo by'ingenzi bikubiye mu bumenyi kandi bishobora guhurizwa hamwe mu bumenyi bugaragara, ubumenyi k'ubuzima, n'Isi n'ubumenyi bw'ikirere.



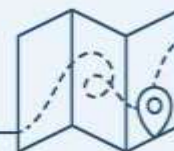
Kugira ngo urusheho gusobanukirwa neza n'ibyo umunyeshuri wawe azi kandi ashobora gukora bijyanye n'amanota urwego, amakuru yo muri iyi ndangamanota agomba gukoreshwa hamwe n'andi masoko, nk'isuzuma ry'ishuri hamwe n'ishuri ryo kwigiramo.

### Ibibazo ku Munyeshuri



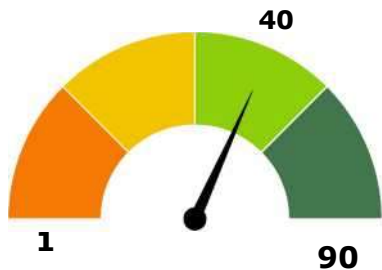
- Ni iki wiga mu ishuri ry'ubumenyi?
- Ni ikihe gice ukunda mu ishuri ry'ubumenyi?
- Ushobora gutekereza k'umurimo uwo ariwo wose ukoresha ubumenyi wifuza gukora mu gihe ukuze?

### Ibibazo kuri Mwarimu



- Ni iki umunyeshuri wanjye yiga mu cyiciro cya siyansi muri uyu mwaka?
- Ni gute nakoresha aya makuru kugira ngo nshyigikire neza imyigire y'umunyeshuri wanjye?
- Ni uwuhe mutungo uboneka mu baturage wo gushyigikira kwiga ubumenyi?

## Muri rusange Imikorere y'Ubumenyi bw'Abanyeshuri



### Kugereranya Imitsindire

Imitsindire y'Abanyeshuri:	██████████	40
Ikigereranyo cy'Ishuri:	██████████	40
Ikigereranyo cya SAU:	██████████	40
Ikigereranyo cya Leta:	██████████	39



*Amanota y'ibizamini by'abanyeshuri ashobora gutandukana. Niba umunyeshuri wawe yongeye gukora iki kizamini, birashoboka ko bari gutsinda amanota ari hagati ya 36 na 44*

**Munsi y'Ibyo Leta Iteganijwe:** Ibikorwa by'abanyeshuri byerekana imyumvire mike y'ibitekerezo by'ingenzi muri siyansi. Ibisubizo by'abanyeshuri byerekana ubushobozi buke bwo gukemura ibibazo. Ibisobanuro ntabwo byumvikana, bituzuye, cyangwa kubura guhuza ibitekerezo hagati. Hariho byinshi bidahwitse.

**Munsi y'Ibiteganijwe muri Leta:** Ibikorwa by'abanyeshuri byerekana gusobanukirwa kutuzuye n'ibitekerezo by'ingenzi mu bumenyi no guhuza bidahuye n'ibitekerezo bikuru. Ibisubizo by'abanyeshuri byerekana ubushobozi bumwe bwo gusesengura no gukemura ibibazo, ariko ireme ry'ibisubizo ntirihuye. Ibisobanuro by'ibitekerezo bishobora kuba bituzuye cyangwa bidasobanutse

**Mubiteganijwe na Leta:** Ibikorwa by'abanyeshuri byerekana gusobanukirwa bihagije imyumvire y'ingenzi mu bumenyi, harimo n'ubushobozi bwo guhuza ibitekerezo hagati. Ibisubizo by'abanyeshuri byerekana ubushobozi bwo gusesengura no gukemura ibibazo bisanzwe no gusobanura imyumvire yo hejuru hamwe bihagije bisobanutse kandi by'ukuri kugira ngo berekane imyumvire rusange.

**Hejuru y'Ibiteganijwe kuri Leta:** Ibikorwa by'abanyeshuri byerekana gusobanukirwa neza ibitekerezo byingenzi mu bumenyi, harimo n'ubushobozi bwo guhuza byinshi mu bitekerezo bikuru. Ibisubizo by'abanyeshuri byerekana ubushobozi bwo guhuza amakuru, gusesengura no gukemura ibibazo bikomeye, no gusobanura ibitekerezo bigoye ukoresheje ibimenyetso n'amagambo akwiye yo gushyigikira no gutanga imyanzuro yumvikana.

## Imitsindire rusange igizwe no gutsinda muri ibi bice bitatu:

### Ubumenyi Bugaragara



Hano hari amasomo atanu y'ubumenyi bugaragara mu mashuri yisumbuye:

- Imiterere n'Ibintu by'Ingenzi
- Imiti y'Ubutabire
- Imbaraga n'Imikoranire
- Ingufu
- Imiraba hamwe na Elegitoromanyetike Imirasire

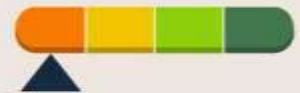
### Ubumenyi bw'Ubuzima



Hariho ibintu bitanu by'ubumenyi bw'ubuzima bugaragara mu mashuri yisumbuye:

- Imiterere, Imikorere, na Gutunganya amakuru
- Ibintu n'imbaraga mu binyabuzima n'Urusobe rw'Ibinyabuzima
- Isano Ryuzuzanya mu rusobe rw'Ibinyabuzima
- Gukura, Iterambere, na Kwororoka kw'ibinyabuzima
- Guhitamo Kamere no Kurwanya

### Ubumenyi bw'Isanzure n'Isi



Hariho Isi eshanu n'isanzure ingingo y'ubumenyi bugaragara mu mashuri yisumbuye:

- Sisitemu yo mu Kirere
- Amateka y'Isi
- Sisitemu y'Isi
- Igihe n'Ikirere
- Ingaruka z'umuntu