



TASGAU SY'N TANIO

Crëwyd gan Yr Ymddiriedolaeth Addysgu Gwyddoniaeth Gynradd
(Primary Science Teaching Trust)



PSTT Starters for Science

3. Blodau papur

Gweroedd o ffibrau pren yw papur ac mae gronynnau dŵr yn cael eu dal yn y gweroedd hyn. Canlyniad hyn yn fod y dŵr yn teilio trwy'r papur a gellwir hyn yn westfres capilar. Pan fo papur y blodau yn ansugno'r dŵr (trwy ddull capilar) mae'n chwyddu; mae hyn yn creu'r grym sydd yn achosi'r blodau i agor. Mae gwahanol fathau o bapur a chandfwrdd yn ansugno amrywiol gyfraddau o dŵr, sydd yn achosi'r blodau agor ar amseroedd gwahanol. Mae tywelion papur yn ansugno dŵr yn ddiwydd; dyna pam maent mor effeithlon i fopio hylif sydd wedi samu.

CYNGOR Anogwch y plant i lunio tabl er mwyn cofnodi'r canlyniadau. Ydy nhw'n gallu aildroed y prawf i wirio cywirdeb y canlyniadau?

Nodiadau
athro:

Beth am y syniadau hyn?



Beth am y cwestiynau hyn?



STARTERS FOR SCIENCE

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- Can be used in school or at home
- Minimal resources needed

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A series of five-minute videos created to support teachers to get started with practical science enquiry.

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Starters for Science is a series of five-minute videos created to support teachers to get started with practical science enquiry. They require minimal resources and can be used in school or at home. This means that teachers can do science enquiry with a class and any children who are at home can do the same lesson.

Each video includes:

- A question or scenario related to the real world
- Time for children to think about what they already know
- A demonstration of a starter practical activity
- Time for children to think of their own questions
- Ideas about what they could find out for themselves
- Encouragement to share what they found with others

Please note that the videos are designed to get children doing some simple practical science enquiry and as such are not age specific, nor directly aligned to any particular curriculum unit. They are intended to give children valuable practical experiences that they will then be able to draw on once they meet the relevant concepts in a more formal learning situation.

OVERVIEW AND TEACHER NOTES

VIDEOS

VIDEOS - WELSH VERSIONS

TASGAU SY'N TANIO



Tasg	Ffocws	Geiriau allweddol	Bydd angen yr adnoddau hyn:	Adnoddau ychwanegol
1. Tyrrau papur	adeileddau	pwysau, grym, slap, cryfder	3 darn o bapur maint A4, llyfrau (neu blat plastig a gwrthrychau bychain trwm.)	tâp selo, math gwahanol o bapur neu cherdyn, pren mesur
2. Awyrennau gwellt	hedfan	gwrthiant aer, grym, slap, pellter	gwellt papur (neu gwnewch wellt eich hunain drwy lapio papur lapio o gwmpas pensil a defnyddio tâp selo i'w gadw mewn lle), cerdyn, tâp selo, siswm	gwahanol fathau o bapur, neu gerdyn, pren mesur neu tâp mesur
3. Blodau papur	amsugno	amsugno, hylif, solid	hambwrdd neu fowlen o ddŵr, papur, siswm.	gwahanol fathau o bapur neu cerdyn, stopwats neu amserydd, hylifau eraill
4. Pypedau cysgod	cysgod	golau, cysgod, rhwystro, didraidd	dam bach o gerdyn, siswm, tac gludlog, fflachlamp neu ffôn symudol.	pren mesur
5. Papur yn disgyn	gwrthiant aer	gwrthiant aer, pwysau, disgrychiant, cyflymdra	tudalennau papur maint A4	cerdyn, gwahanol fathau o bapur (slwgwr, sidan) pren mesur, ffôn
6. Llyfrau a ffyn taff	llyfrau	lifer, pifod, grym, ffon dafl	gwahanol fathau o lwyau, gwrthrychau slap silindr (pensil, rhoibren, pen ffelt, ffon glud), pelen o bapur wedi ei blygu	bandiau elastig, spatula hyblyg o'r gegin
7. Cuddliw anifeillaid	addasu	cuddliw, gweledd, ysglyfaethwr, ysglyfaeth	papur plaen, peniau ffelt llw, pensiliau neu baent, siswm.	llyfrau, brigau, defnyddiau naturiol, glud
8. Drychau a golau	golau	golau, ffynhonnell, adlewyrchu, telthio, llinellau syth	gwrthrychau sgleinlog, fflat (drychau, CDs, DVDs neu chaeadau sosbanni), ffynhonnell golau (ffôn neu fflachlamp), rhywle tywyll	tac gludlog neu glai

STARTERS FOR SCIENCE



STARTER FOR SCIENCE	FOCUS	KEY WORDS	YOU WILL NEED	YOU MIGHT ALSO WANT
1. Paper Towers	Structures	Weight, gravity, shape, strength	3 pieces of A4 paper, some books (or a plastic plate with small, heavy objects)	Sticky tape, other kinds of paper or card, ruler
2. Straw Planes	Flight	Air resistance, gravity, shape, distance	Paper straws (or make your own by wrapping paper around a pencil and securing it with tape), card, sticky tape, scissors	Different kinds of paper or card, ruler or tape measure
3. Paper Flowers	Absorbency	Absorb, liquid, solid	Bowl or tray of water, paper, scissors	Different kinds of paper or card, stopwatch or timer, other liquids
4. Shadow Puppets	Shadows	Light, shadow, block, opaque	Small piece of card, scissors, sticky tack, torch or mobile phone	Ruler
5. Falling Paper	Air resistance	Air resistance, weight, gravity, speed	Pieces of A4 paper	Card, other kinds of paper (sugar or tissue paper), ruler, mobile phone
6. Levers and Catapults	Levers	Lever, pivot, force, catapult	Different types of spoons, cylindrical objects (pen, pencil, glue stick, rolling pin), scrunched up paper ball	Elastic bands, bendy spatula
7. Animal Camouflage	Adaptations	Camouflage, visibility, predator, prey	Plain paper, colouring pens, pencils of paint, scissors	Leaves, twigs, natural materials, glue
8. Mirrors and Light	Light	Light source, reflect, travel, straight lines	Shiny, flat objects (mirrors, CDs, DVDs or saucepan lids), source of light (mobile phone or torch), dark place	Sticky tack or plasticine