**Home learning - Year group overview**

Subject – **Science**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Topics | Resources available  | Communication method  | Web links |
| S1 | Awesome Human s | **School Website*** Research tasks
* Revision questions
* Problem solving activities
* Fun experiments to try at home
* Videos
* Ppts shared
 | NM – SMH /weekly Emails - Daily | Smithy Action Squad/ Mission to Planet X Cells/Reproduction/Digestion <http://www.smithycroft-sec.glasgow.sch.uk/PlainText/PlainText.aspx?SectionId=c05836af-f63b-46d8-aaf0-a061a60cc385>**Topic - Cells** Plant and animal cells<https://uk.video.search.yahoo.com/yhs/search?fr=yhs-itm-001&hsimp=yhs-001&hspart=itm&p=plant+and+animal+cells+video#id=3&vid=c5c3c9df13c9c637acc2889dd3ce98d0&action=click>Making a cheek cell slide<https://www.youtube.com/watch?v=p71aRJk9TeM><https://www.youtube.com/watch?v=i2x3MKSJez4>Making an Onion cell slide<https://www.youtube.com/watch?v=PrX3h-AflZI>  |
|  | LM - Microsoft Teams - Daily | **Acids** |
| * Daily challenges
* You tube videos
 | RC - Microsoft Teams/Daily  | **Digestion**<https://www.youtube.com/watch?v=dZB7kzKUZlc>. Daily Education Challenges<https://twitter.com/_BrightRed> |
| * Homework via forms
 | MC -SMH Weekly | **Reproduction** |
| * ppts uploaded to SMH
* Video links embedded in ppts to support tasks
* Homework activities
 | KD – SMH – with Glow groups to follow3 posts/week  | **Digestion** <https://www.foodstandards.gov.scot/education-resources?filter_set=a&category=199|155#in-the-classroom><https://www.youtube.com/watch?v=Og5xAdC8EUI><https://www.youtube.com/watch?v=AX34MoaLmzE>Teeth<https://www.youtube.com/watch?v=ZE-TtFhZlDw> |
|  | CC – SMH Weekly |  |
| S2 |  |  | LM - Microsoft Teams - Daily | **Chemistry in Action** |
|  | RC - Microsoft Teams/Daily | **Heat and EM Spectrum**Daily Education Challenges<https://twitter.com/_BrightRed> |
| * Video clip + questions
 | MC -SMH Weekly | **Chemistry in Action**<https://www.youtube.com/watch?v=v2D2Tx0pgWA#action=share> |
| * ppts uploaded to SMH
* Video links embedded in ppts to support
* Homework activities
 | KD – SMH – with Glow groups to follow3 posts/week | **Microbiology and Immunity – from ppt**<http://www.e-bug.eu/menupage.html?type=games&level=senior><https://www.cellsalive.com/howbig_js.htm><https://www.youtube.com/watch?v=M8AKTACyiB0>Testing Bacteria <https://www.youtube.com/watch?v=6-chXVgu8Z0><https://www.youtube.com/watch?v=yhnKwbr-oek>Hand washing<https://www.youtube.com/watch?v=TajAxofnW8w> |
| * Ppt
* Embedded you tube links
* Pupil instruction sheet for home learning
 | CC – SMH Weekly | **Heat and EM Spectrum**  |
| S3 |  | **School Website** * National 5 ppts
* Unit Revision questions
* Section Specific mind maps
* Section specific revision questions
* Online textbook
* Past papers
* BBC Bitesize
* Homework activities on forms
* You tube links in ppts
 | NM – Show my homework/Weekly Email – Daily Forms via Glow | **Short Term****Unit 3 – Life on Earth – Revision for UASP and S3 Exam**Powerpoints<http://www.smithycroft-sec.glasgow.sch.uk/PlainText/PlainText.aspx?SectionId=53f586c0-2801-4dea-aaf6-88ac8728b9a5>Revision Resources<http://www.smithycroft-sec.glasgow.sch.uk/PlainText/PlainText.aspx?SectionId=9aed76be-d4c9-4feb-bd59-56d2787b4047>Online textbook<https://sites.google.com/a/edubuzz.org/nat5biopl/home>BBC Bitesize<http://www.bbc.co.uk/education/subjects/zync87h>Oransay Website – fab revision resources<http://www.oronsay.org/Nat5.htm>SQA Past papers <http://www.sqa.org.uk/sqa/45725.html>**Long Term** – N5 Unit 1 – The same resources are available on the school website for them to prepare for S4.AVU – pack to be issued next week |
| * Scholar
* BBC bitesize
* Bright red resources
 | LM - Microsoft Teams - Daily | SCHOLAR : url <https://scholar.hw.ac.uk/> Bright Red : url <https://www.brightredbooks.net/subjects/n5chemistry/c02> BBC Bite Size : url <https://www.bbc.co.uk/bitesize/subjects/zmnp34j>  |
| * Daily challenges
* Homework activities
 | S3 General ScienceRC - Microsoft Teams/Daily | **Energy and Electricity**Daily Education Challenges<https://twitter.com/_BrightRed>Homework activities have been posted to Microsoft Teams |
| * You tube links
* Daily challenges
 | S3 PhysicsRC - Microsoft Teams/Daily | **Dynamics and Space**Daily Education Challenges<https://twitter.com/_BrightRed>You tube links<https://www.youtube.com/watch?v=kKKM8Y-u7ds> |
| * Revision tasks
* Homework
* You tube links
* Daily challenge task

**School Website** * Some National 4 ppts
* Section Specific mind maps
* Online textbook
* BBC Bitesize
 | KD – SMH – with Glow groups to followWeekly | **Short Term****Unit 3 – Life on Earth – Revision for S3 Exam/N4 UASP**<http://www.smithycroft-sec.glasgow.sch.uk/PlainText/PlainText.aspx?SectionId=f3544a23-9c24-49ec-b96b-f71097f9dedb>**Long Term** – N4 Unit 1 – The same resources are available on the school website for them to prepare for S4.AVU – pack to be issued next week |
|  | CC – Glow groups/Weekly |  |
| N4 |  |  |  |  |
| N5 |  |  |  |  |
| Higher  |  |  |  |  |

**S1 Acids – When we get there…..**

<http://www.bbc.co.uk/bitesize/ks3/science/chemical_material_behaviour/acids_bases_metals/revision/1/>

**Class clips has lots of good, short videos:**

<http://www.bbc.co.uk/search/learning/?q=acids>

**pH Testing:**

<http://www.bgfl.org/bgfl/custom/resources_ftp/client_ftp/ks3/science/acids/universal.htm>

**Red Cabbage indicator video:**

<http://www.bbc.co.uk/bang/handson/acid_cabbage.shtml>

**Air Monitoring – Glasgow – for acid rain research (Anderston station seems to have the most data)**

<http://www.glasgow.gov.uk/index.aspx?articleid=6528>

**Acids and alkalis in news:**

<http://www.bbc.co.uk/news/uk-england-derbyshire-19258499>

<http://www.bbc.co.uk/news/science-environment-25983415>

**Everyday neutralisation:**

<http://lgfl.skoool.co.uk/content/keystage3/chemistry/pc/learningsteps/ENRLC/launch.html>

<http://www.rsc.org/learn-chemistry/resources/chemistry-in-your-cupboard/gaviscon>

[Chemistry of Gaviscon video](file:///C%3A%5CUsers%5Cnm4580c%5CDownloads%5CChemistry%20of%20Gaviscon.wmv)

**Acid Rain**

<http://www.bbc.co.uk/learningzone/clips/causes-and-impact-of-acid-rain/4418.html>