

SEC Year 9 – Unit 1 (2022 syllabus)

Learning Outcome 1: The Plant body

- Organs of a flowering plant:
<https://www.youtube.com/watch?v=493WeySyf-8>
- Plant external morphology:
<https://www.youtube.com/watch?v=OxQka2Bai7M>
- Vegetative production:
https://www.youtube.com/watch?v=VN_p20dDrnY
- Plant Cells:
<https://www.youtube.com/watch?v=TvQNRyWIKws>
- Plant vascular system - Xylem and phloem:
<https://www.youtube.com/watch?v=jtuX7H05tmQ>
- Life cycle of a flowering plant:
<https://www.youtube.com/watch?v=NGwNHskj3QM>
- Epigeal vs. Hypogeal germination:
<https://www.youtube.com/watch?v=x2ysXNCm9Z8>
- Classification of Monocots and Dicots through microscopy:
<https://www.youtube.com/watch?v=3P4Z5WUTd80>
https://www.youtube.com/watch?v=nQq57_jSz2M

Learning Outcome 2: Health and Safety

- General farm health and safety:
<https://www.youtube.com/watch?v=ay7z3ddHf3c>
<https://www.youtube.com/watch?v=EPQ1nX2ZYlg>
- Health and safety signage
https://www.youtube.com/watch?v=_muliGYcLOo
- Farm first aid
<https://www.youtube.com/watch?v=zHcdeuYyFhk>

- Farm tools

<https://www.youtube.com/watch?v=3mQTEfwa28E>

https://www.youtube.com/watch?v=leibGo_Pm2c

<https://www.youtube.com/watch?v=2xwMPaBtdbA>

<https://www.youtube.com/watch?v=9gRePk7Sp4A>

<https://www.youtube.com/watch?v=y-Qw51yilog>

<https://www.youtube.com/watch?v=6RgWdw0IRQo>

<https://www.youtube.com/watch?v=-cx6hOZZhTk>

Learning Outcome 3: Growing Vegetables

- Crop production systems:

https://www.youtube.com/watch?v=UHpNu4_6uc0

https://www.youtube.com/watch?v=UHpNu4_6uc0

https://www.youtube.com/watch?v=_cvtS-ck0oA

<https://www.youtube.com/watch?v=opvCf5-LZZM>

<https://www.youtube.com/watch?v=LiNI-JUFtsA>

<https://www.youtube.com/watch?v=yeofTy42Uc8>

<https://www.youtube.com/watch?v=0QQA5BpWKec>

https://www.youtube.com/watch?v=eTBPWSEc_WQ

<https://www.youtube.com/watch?v=3kNa80OM-hw&t=8s>

<https://www.youtube.com/watch?v=WhOrIUrnPo>

- Plant growth media:

<https://www.youtube.com/watch?v=esWrZp6-K8g>

<https://www.youtube.com/watch?v=ET4wee-jvQ8>

<https://www.youtube.com/watch?v=indChXyx1LE>

<https://www.youtube.com/watch?v=g86Knfu0FDo>

https://www.youtube.com/watch?v=E4J2L0Hi_fk

- Drip and other irrigation systems:

https://www.youtube.com/watch?v=f_YpEhEN16g

<https://www.youtube.com/watch?v=amrCMakolKA>

<https://www.youtube.com/watch?v=gBjtV631zZk>

https://www.youtube.com/watch?v=R_x45zhgq3s

https://www.youtube.com/watch?v=PaolEk4a_Bw

- Growth practices

<https://www.youtube.com/watch?v=Fy8kP2EYpcY>

<https://www.youtube.com/watch?v=HwcNOTLi9es>

<https://www.youtube.com/watch?v=M0Or9S0MVrw>

<https://www.youtube.com/watch?v=baTASKOI8VO>

Learning Outcome 4: Soil fertility

- Plant nutrition, deficiencies and fertilisers:

<https://www.youtube.com/watch?v=QALxEt6OFpc>

<https://www.youtube.com/watch?v=luf-rVJz8Ak>

<https://www.youtube.com/watch?v=6h8h0LhMtFU>

<https://www.youtube.com/watch?v=LS9ihp9oI64>

<https://www.youtube.com/watch?v=XfTKFpAd44E&t=15s>

<https://www.youtube.com/watch?v=TjbxOEECh0>

<https://www.youtube.com/watch?v=PzM1LpgYnbQ>

<https://www.youtube.com/watch?v=A4KKZPq-sQ8>

- The nitrogen cycle and nitrates directive:

<https://www.youtube.com/watch?v=K5EOZenSSB8>

<https://www.youtube.com/watch?v=LbBgPekjiyc>

<https://www.youtube.com/watch?v=qEZRDP2pBcg>

https://agriculture.gov.mt/en/agricultural_directorate/Pages/nitratesActionProg.aspx

Learning Outcome 5: Soil Analysis

Soil sampling and testing

https://www.youtube.com/watch?v=3_U9Z3fy0Ig

<https://www.youtube.com/watch?v=Pg18VKVyYIA>

<https://www.youtube.com/watch?v=UoD-cUMkRZY>

<https://www.youtube.com/watch?v=qcH9aYlbgF4>

<https://www.youtube.com/watch?v=mZgxUqoJMcg>

<https://www.youtube.com/watch?v=C13CUfEIfNI>

Learning Outcome 6: Soil Properties

<https://www.youtube.com/watch?v=2KooBOLMUqU>

https://www.youtube.com/watch?v=ZX1z_Uv35bU

<https://www.naturetrustmalta.org/environmental-education/biodiversity/habitats/terrestrial/>

<https://era.org.mt/en/Pages/Soils-defined.aspx>

https://www.youtube.com/watch?v=OtmhZ_1PnBU

<https://www.youtube.com/watch?v=RPW2czAA8U0>

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Learning Outcome 1: Health and Safety

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<https://www.youtube.com/watch?v=ay7z3ddHf3c>

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- Health and safety signage

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- Farm first aid

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<https://www.youtube.com/watch?v=9gRePk7Sp4A>

<https://www.youtube.com/watch?v=y-Qw51yilog>

<https://www.youtube.com/watch?v=6RgWdw0IRQo>

<https://www.youtube.com/watch?v=-cx6hOZZhTk>

Learning Outcome 2: Growing plants

- Life cycle of a flowering plant:

<https://www.youtube.com/watch?v=NGwNHskj3QM>

- Epigeal vs. Hypogeal germination:

<https://www.youtube.com/watch?v=x2ysXNCm9Z8>

- Crop production systems:

https://www.youtube.com/watch?v=UHpNu4_6uc0

https://www.youtube.com/watch?v=UHpNu4_6uc0

https://www.youtube.com/watch?v=_cvtS-ck0oA

<https://www.youtube.com/watch?v=opvCf5-LZZM>

<https://www.youtube.com/watch?v=LiNI-JUFtsA>

<https://www.youtube.com/watch?v=yeofTy42Uc8>

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<https://www.youtube.com/watch?v=3kNa80OM-hw&t=8s>
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<https://www.youtube.com/watch?v=ET4wee-jvQ8>
<https://www.youtube.com/watch?v=indChXyx1LE>
<https://www.youtube.com/watch?v=g86Knfu0FDo>
https://www.youtube.com/watch?v=E4J2L0Hi_fk

- Drip and other irrigation systems:

https://www.youtube.com/watch?v=f_YpEhEN16g
<https://www.youtube.com/watch?v=amrCMakolKA>
<https://www.youtube.com/watch?v=gBjtV631zZk>
https://www.youtube.com/watch?v=R_x45zhgq3s
https://www.youtube.com/watch?v=PaolEk4a_Bw

- Plant production techniques

https://www.youtube.com/watch?v=VN_p20dDrnY
<https://www.youtube.com/watch?v=TdiibRXXJ6g>
<https://www.youtube.com/watch?v=3O7icCqFfEo>
https://www.youtube.com/watch?v=0UEpq1W9C_E
<https://www.youtube.com/watch?v=NqqeeAlp9zA>
<https://www.youtube.com/watch?v=LbmpdfEeTCA>
<https://www.youtube.com/watch?v=HSLBEBqdDA>
<https://www.youtube.com/watch?v=aOdNrNBms-A&t=72s>
<https://www.youtube.com/watch?v=pZIAMBO68ig&t=123s>
<https://www.youtube.com/watch?v=fp6sQhk6B08>

Learning Outcome 3: Fish keeping

Fish species:

<https://www.youtube.com/watch?v=blykOQsCxBw>
<https://www.youtube.com/watch?v=p2Dnoy9dhWg>
https://www.youtube.com/watch?v=og9aN9_jj-o
<https://www.youtube.com/watch?v=Rq4HCxjtOcl>
https://www.youtube.com/watch?v=FTa6S_e7VDk

Aquarium set-up:

https://www.youtube.com/watch?v=DZB0Tsf_rlk

<https://www.youtube.com/watch?v=aey9ug3JAeI>

<https://www.youtube.com/watch?v=-BzdsLJv-qw>

<https://www.youtube.com/watch?v=es7spyo5RJ4>

Aquarium maintenance:

<https://www.youtube.com/watch?v=BV4QG06OhSI&t=4s>

<https://www.youtube.com/watch?v=r0d1EgmWNNQ>

<https://www.youtube.com/watch?v=17a34cJqKI8>

<https://www.youtube.com/watch?v=tboee9qdTDE>

Learning Outcome 4: Pets

- Common Pets and housings

https://www.youtube.com/watch?v=jvqx3d_AZZE

<https://www.youtube.com/watch?v=BoJBrrH2Duk>

<https://www.youtube.com/watch?v=92T3EhKoL34&t=33s>

https://www.youtube.com/watch?v=jmLsp_UREQk&t=22s

<https://www.youtube.com/watch?v=-Cy-TMvX5Fw>

<https://www.youtube.com/watch?v=-PJAL8hXPx8>

<https://www.youtube.com/watch?v=H9Q7ItFXH3c>

<https://www.youtube.com/watch?v=xoDekt5zps4>

Learning Outcome 5: Stock taking

<https://www.youtube.com/watch?v=X1i9DuxXfLM>

<https://www.youtube.com/watch?v=LoN1szjsazE>

<https://www.youtube.com/watch?v=2vP5M8wPSq4>

SEC Year 10 – Unit 2 (2021 syllabus)

Learning Outcome 1 and 2: Fish keeping and aquaculture

Fish species:

<https://www.youtube.com/watch?v=blvkOQsCxBw>

<https://www.youtube.com/watch?v=p2Dnoy9dhWg>

https://www.youtube.com/watch?v=og9aN9_jJ-o

<https://www.youtube.com/watch?v=Rq4HCxjtOcl>

https://www.youtube.com/watch?v=FTa6S_e7VDk

Aquarium set-up:

https://www.youtube.com/watch?v=DZB0Tsf_rlk

<https://www.youtube.com/watch?v=aey9ug3JAel>

<https://www.youtube.com/watch?v=-BzdsLJv-qw>

<https://www.youtube.com/watch?v=es7spyo5RJ4>

Aquarium maintenance:

<https://www.youtube.com/watch?v=BV4QG06OhSI&t=4s>

<https://www.youtube.com/watch?v=r0d1EgmWNNQ>

<https://www.youtube.com/watch?v=17a34cJqKI8>

<https://www.youtube.com/watch?v=tboee9qdTDE>

Fish diseases and medications:

<https://www.youtube.com/watch?v=35PV859sR0U>

https://www.youtube.com/watch?v=LlbDJw_uyts

Fish farming:

<https://www.youtube.com/watch?v=uWXfPIldq74>

<https://www.youtube.com/watch?v=NNrEBKtfAwA>

<https://www.youtube.com/watch?v=OQqpJmT3rcY>

Learning Outcome 3: Plant physiology

- Organs of a flowering plant:
<https://www.youtube.com/watch?v=493WeySyf-8>
- Plant external morphology:
<https://www.youtube.com/watch?v=OxQka2Bai7M>
- Vegetative production:
https://www.youtube.com/watch?v=VN_p20dDrnY
- Plant Cells:
<https://www.youtube.com/watch?v=TvQNRyWIKws>
- Plant vascular system - Xylem and phloem:
<https://www.youtube.com/watch?v=jtuX7H05tmQ>
- Life cycle of a flowering plant:
<https://www.youtube.com/watch?v=NGwNHskj3QM>
- Epigeal vs. Hypogeal germination:
<https://www.youtube.com/watch?v=x2ysXNCm9Z8>
- Classification of Monocots and Dicots through microscopy:
<https://www.youtube.com/watch?v=3P4Z5WUTd80>
https://www.youtube.com/watch?v=nQq57_jSz2M
- Transport and physiological processes:
<https://www.youtube.com/watch?v=bsY8j8f54I0>
<https://www.youtube.com/watch?v=U4rzLhz4HHk>
<https://www.youtube.com/watch?v=hZAxvIXDqA>
<https://www.youtube.com/watch?v=KIug9Fou3s>
<https://www.youtube.com/watch?v=pCFstSMvAMI>
https://www.youtube.com/watch?v=sQK3Yr4Sc_k
<https://www.youtube.com/watch?v=JiFcOiOVerg>
<https://www.youtube.com/watch?v=vcH0vouVDmc>
<https://www.youtube.com/watch?v=hcvmlYroJ1A>
<https://www.youtube.com/watch?v=EWroqqlZ3go>

Learning Outcome 4: Crop cultivation

- Plant problems

<https://www.youtube.com/watch?v=8GmsH2J0BFw>

<https://www.youtube.com/watch?v=xvvHUHpfQbw>

https://www.youtube.com/watch?v=SIKzn_8ULKo

<https://www.youtube.com/watch?v=9SotrCwqfHo>

- Crop cultural practices

<https://www.youtube.com/watch?v=q1aR5OLgcc0>

<https://www.youtube.com/watch?v=Azb0So8M50Q>

https://www.youtube.com/watch?v=ItDu_Z74L9I

<https://www.youtube.com/watch?v=5lzYCxsntc>

<https://www.youtube.com/watch?v=QALxEt6OFpc>

<https://www.youtube.com/watch?v=luf-rVJz8Ak>

<https://www.youtube.com/watch?v=6h8h0LhMtFU>

<https://www.youtube.com/watch?v=LS9ihp9oI64>

<https://www.youtube.com/watch?v=XfTKFpAd44E&t=15s>

<https://www.youtube.com/watch?v=TjbxOEEOCh0>

<https://www.youtube.com/watch?v=PzM1LpgYnbQ>

<https://www.youtube.com/watch?v=A4KKZPq-sQ8>

<https://www.youtube.com/watch?v=hm3RO6gIMw0>

Learning Outcome 5: Plant propagation

https://www.youtube.com/watch?v=VN_p20dDrnY

<https://www.youtube.com/watch?v=TdiibRXXJ6g>

<https://www.youtube.com/watch?v=3O7icCqFfEo>

https://www.youtube.com/watch?v=0UEpq1W9C_E

<https://www.youtube.com/watch?v=NqqeeAlp9zA>

<https://www.youtube.com/watch?v=LbmpdfEeTCA>

<https://www.youtube.com/watch?v=HSLBEBqdDA>

<https://www.youtube.com/watch?v=aOdNrNBms-A&t=72s>

<https://www.youtube.com/watch?v=pZIAMBO68ig&t=123s>

<https://www.youtube.com/watch?v=fp6sQhk6B08>

SEC Year 11 – Unit 3 (2020 syllabus)

Learning Outcome 1: Biology and breeds

- Breeds

<https://www.youtube.com/watch?v=wSVFq-SE4vg>

<https://www.youtube.com/watch?v=wSVFq-SE4vg>

<https://www.youtube.com/watch?v=gnvS1HTm2FQ>

<https://www.youtube.com/watch?v=kyEkfiCmsaQ#>

- Biology

<https://www.youtube.com/watch?v=1zGv46p-yjY>

<https://www.youtube.com/watch?v=AdITueQ2RM8>

<https://www.youtube.com/watch?v=nBD7ZOD4ph8>

<https://www.youtube.com/watch?v=4oQAMpLxo5k>

<https://www.youtube.com/watch?v=EMPN-4CeeEY>

<https://www.youtube.com/watch?v=EnBwb2bZMkE>

Learning Outcome 2 and 3: Rabbit keeping and health

- Housing systems

<https://www.facebook.com/rabbitproducers/videos/339757886908373/>

<https://www.facebook.com/rabbitproducers/videos/2292698784103261/>

<https://www.youtube.com/watch?v=92T3EhKoL34>

- Rabbit nutrition:

<http://www.fao.org/3/x5082e/X5082E07.htm#3.%20Reproduction>

- Rabbit diseases and disorders

<https://www.youtube.com/watch?v=skr6bXyb6vQ>

- Rabbit health check:

<https://www.youtube.com/watch?v=brgq9k4pELQ>

Learning Outcome 4: Rabbit reproduction

<http://www.fao.org/3/x5082e/X5082E07.htm>

<https://www.pinterest.com/pin/67413325650466434/>

<https://www.bioscience.com.pk/topics/zoology/item/418-reproductive-system-of-female-rabbit>

http://www.medirabbit.com/EN/Uro_gen_diseases/castration/Castra/Castration.htm

http://www.medirabbit.com/EN/Uro_gen_diseases/Fem_rabbit/Fem_en.htm

<https://www.youtube.com/watch?v=pmxyNxfhpw>

<https://www.youtube.com/watch?v=WEL8QyfCN9A>

<https://www.youtube.com/watch?v=yJrtzYEuSpM>

<https://www.youtube.com/watch?v=3MADzpiNt9I>

<https://www.youtube.com/watch?v=nlkYf-Kj6Ho>

Learning Outcome 5: Meat market

<https://www.youtube.com/watch?v=KTXStACBcKU>

<https://www.youtube.com/watch?v=8hGT6nO4jvs>