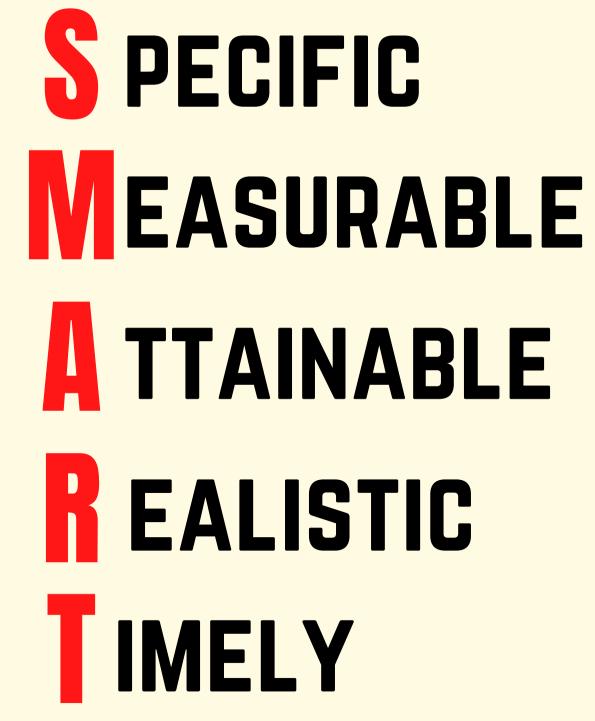


Immediate: ATP – CP

Short Term: Lactic / Glycolytic / Anaerobic

Long Term: Oxidative / Aerobic

-The aerobic system that we just described has other components like the **Krebs Cycle and Electronic Transport** Chain. They can power the body for a long period of time. (endurance events) - Know time frames for each system





#### **Process** and **Outcome** goals are

also really important.



#### A process goal is shorter term.

Completing a single session or making it

to the gym are examples of process goals.

A <u>outcome goal represents a</u> longer term change such as an increase in strength, or significant amount of weight loss. This is typically the client's long term goal or end result.

#### Active Listening - Asking Questions - Reflecting - Summarizing - Affirming - Asking Permission



## Asking Questions NASM IS big on open ended **questions** with a positive vibe.



### **Reflecting is** basically when you repeat something back to a client to show that you understood them



This is the same as reflecting, but now you're reflecting multiple pieces of information to show understanding.

Summarizing

**Affirmations show** appreciation for clients and their strengths. **Compliments use "I" but** affirmations don't and put more focus on the client.



#### Examples of asking for permission:



#### -"Do you want to try assisted stretching?"

#### -"Does that lunge variation look like

#### something you'd be willing to try?"

**Cognitive Strategies** Intended to change the way someone thinks about exercise/activity - Positive Self Talk - Psyching Up - Mental Imagery



## Positive self-talk is a form of encouraging and motivating internal dialogue that increases Self-efficaev.

**Psyching Up: When internal** dialogue is developed and used to increase excitement and motivation before exercise. **Even listening to music before** exercise can be an example.

Mental magery Imagining a situation that improves client self efficacy. confidence and motivation to exercise.

### Motivation Types

**Amotivation: Not motivated** Intrinsic motivation: Internally motivated. There's a sense of self satisfaction. **Extrinsic motivation: There's an external** reward or satisfaction for someone else.

#### Session #1

1) Discuss health concern goals 2) Clarify fitness goals з Review past exercise experiences 4) Fitness assessment

#### Something you're pretty likely to be asked about on the test is the transtheoretical model. There are five stages to that.

4

PRE-CONTEMPLATION 2 CONTEMPLATION PREPARATION 3 ACTION MAINTENANCE 5

First, we have pre-contemplation where people are physically inactive. They're not intending on beginning an exercise program, and they don't see exercise as worth their time.

Then you have contemplation. **People who are inactive, but** thinking about becoming more active in the next six months go here. They're still weighing the pros and cons of exercise, but they're starting to consider the benefits.



Next is <u>preparation</u>. People in this stage are doing some physical activity and preparing to adopt a more consistent activity program.

These people are only doing things like sporadic walking, but they're ready to adopt an active lifestyle.

Then you have the action stage. People are here when they're engaging in regular physical activity but have been doing so for less than six months.

ACTION

#### Lastly, you have maintenance. People on this stage have been working out consistently for longer than six months.

Be able to identify where a person is within this model!



There's a bonus stage doesn't really apply to us because you should do some form of exercise for vour entire life.

# Pre-Participation



The PAR-Q+ is a subjective yes or no questionnaire that is used to determine whether it's safe or not for a client to begin an exercise program. It has follow up portions to reduce false postive readings.



**The Health History Questionnaire is next.** It's similar to the PARQ, but it's not yes or no questions. It gets you more detailed info on your client. Things like what medications they're taking, family history, etc. are covered.



# There are also medical release forms.

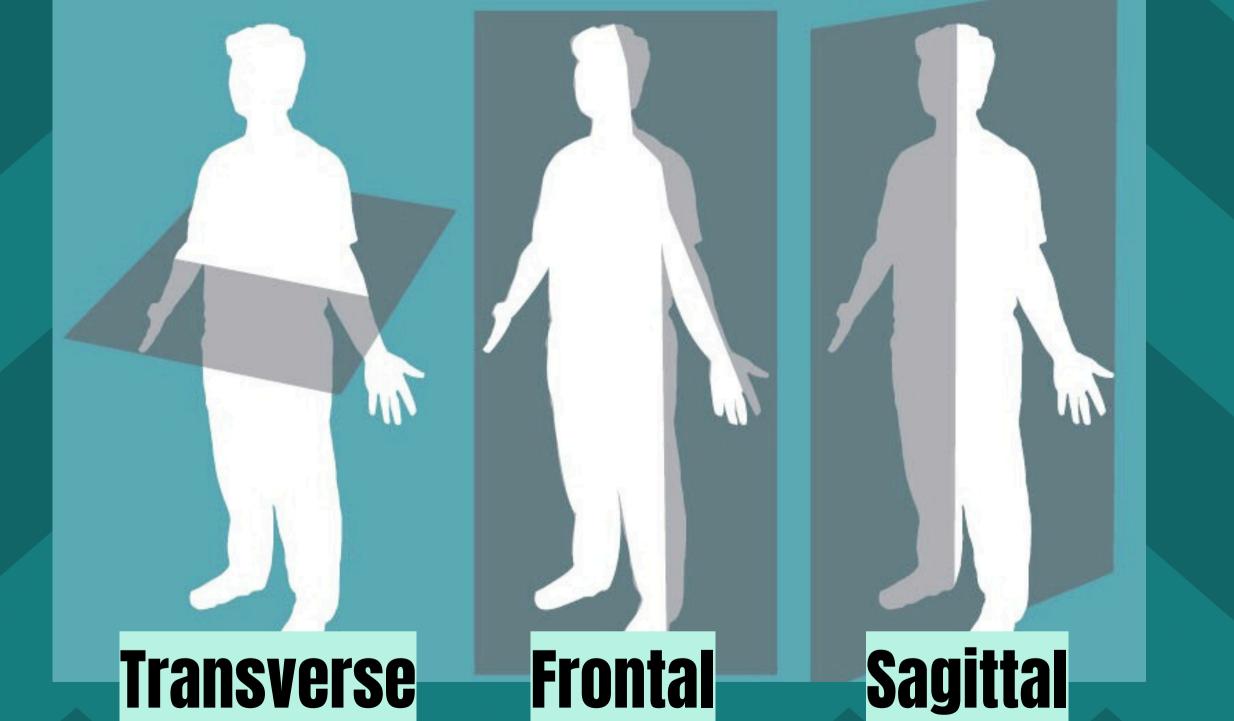
#### These are from a physician and they go over limitations a client may have.

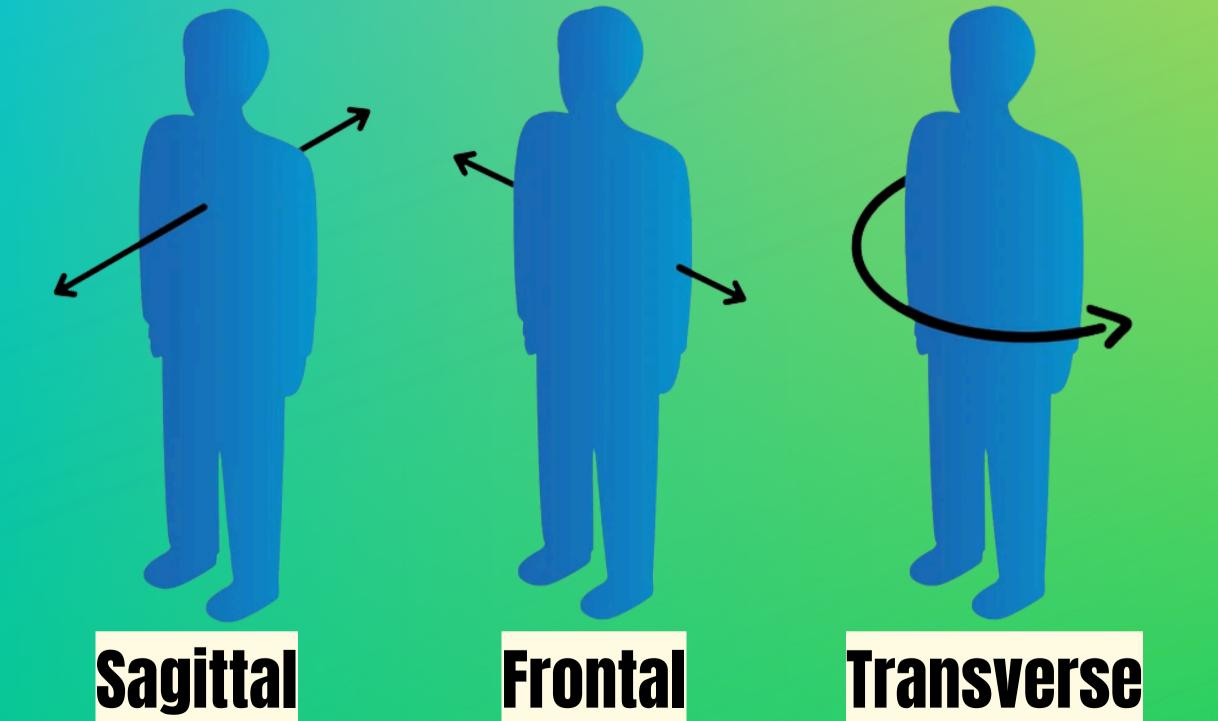
# Subjective assessments would be things that reflect what an individual feels (PAR-Q, HHQ, RPE).----**Objective** things are quantified through data collection (blood pressure, HR).





Superior - toward the head end of the body Inferior- away from the head or lower Anterior- front of the body **Posterior- back of the body** Medial - toward the midline of the body Lateral - away from the midline of the body **<u>Proximal</u>** - nearest the trunk or the point of origin **Distal - farthest from the trunk or the point or origin** 





Movements In the <u>Sagittal Plane</u> **Flexion:** Decreasing the joint angle **Extension:** Increasing the joint angle **Dorsiflexion: Moving the top of the foot** toward the shin (ankle only) **Plantarflexion:** Moving the sole of the foot down towards the ground (pointing toes)

#### Movements In the Frontal Plane **Adduction: Movement toward the midline <u>Abduction</u>: Movement away from the midline of** the body **Elevation:** Moving to a superior position (scapula) **<u>Depression</u>: Moving to an inferior position (scapula) Inversion:** Tilting the foot towards midline **Eversion:** Tilting the foot away from the midline

Movements in the Transverse Plane **<u>Rotation</u>: When the torso or a limb moves around its** vertical axis **Pronation: Rotating the forearm or foot to a palm-side or** foot-side down position Supination: Rotating the forearm or foot to a palm-side or foot-side up position Horizontal abduction: Moving the upper arm away from the midline of the body when it is elevated to 90 degrees <u>Horizontal adduction</u>: Moving the upper arm towards the midline of the body when it is elevated to 90 degrees

It's possible that you'll get a question or two where you'll be shown an exercise, and you'll have to identify what movement is taking place. You will also have to identify what plane of motion the movement is occurring in.

Sagittal Plane Exercise Examples: Biceps curl, squats, pull-ups, rows Frontal Plane Exercise Examples: lateral band walk, lateral raise Transverse Plane Exercise Examples: Russian twist, torso rotation, wood chops

# EXECTESE RECTESSIONS. Prograssions

